

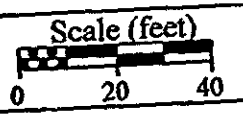
Site Layout with Investigation Areas

Pacific Dry Dock and Repair Company Yard II

Oakland, California

Figure 1

Versar, Inc.



Project No. 2463

Oakland Inner Harbor

**TGSP1**  
TPH-D: 71  
Mercury: ND  
Gas/BTEX: ND

**TGSP8**  
TPH-D: 870  
TPH-G: 1,900  
Benzene: 58  
Toluene: 3.0  
Ethylbenzene: 2.6  
Xylenes: 400  
Chlorobenzene: 310  
1,4-Dichlorobenzene: 13

**TGSP3**  
TPH-D: 73  
EPA8010: ND  
Gas/BTEX: ND

**TGSP7**  
TPH-D: 770  
TPH-G: 1,700  
Benzene: 22  
Toluene: ND  
Ethylbenzene: ND  
Xylenes: 310  
1,4-Dichlorobenzene: 8.1

**TGSP2**  
TPH-D: ND  
Mercury: ND  
Gas/BTEX: ND

Building

**TGSP4**  
Total Lead: ND

**TGSP6**  
TPH-D: 260  
Gas/BTEX: ND  
EPA8010: ND

Building

**TGSP5**  
Not Analyzed

**MW3**  
TPH-D: 140

**MW2**  
TPH-D: 3,300  
TPH-G: 2,300  
Benzene: 65  
Toluene: 0.74  
Ethylbenzene: 1.3  
Xylenes: 810  
Chlorobenzene: 290  
1,2-Dichloroethene: 1.6  
1,3-Dichlorobenzene: 11  
1,4-Dichlorobenzene: 35

Embarcadero

**MW1**  
TPH-D: 160  
Ethylbenzene: 1.0  
Xylenes: 5.3  
Chloroform: 0.73

fence

Guard Shack

Power House

**TGSP10**  
TPH-D: 580  
TPH-G: 2,200  
Benzene: 47  
Toluene: ND  
Ethylbenzene: 5.2  
Xylenes: ND  
EPA8010: ND

Building

**TGSP9**  
TPH-D: 250  
TPH-G: 480  
Benzene: 2.1  
Toluene: 0.91  
Ethylbenzene: 2.2  
Xylenes: 3.6  
EPA8010: ND

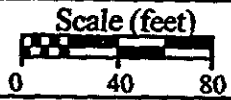
**Legend**  
◆ Monitoring Well  
● Temporary Groundwater Sampling Point (TGSP)  
Note: All Laboratory Results are Reported in micrograms per liter

Aboveground Storage Tanks

Property Line

Adjacent Industrial Property

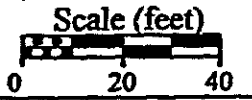
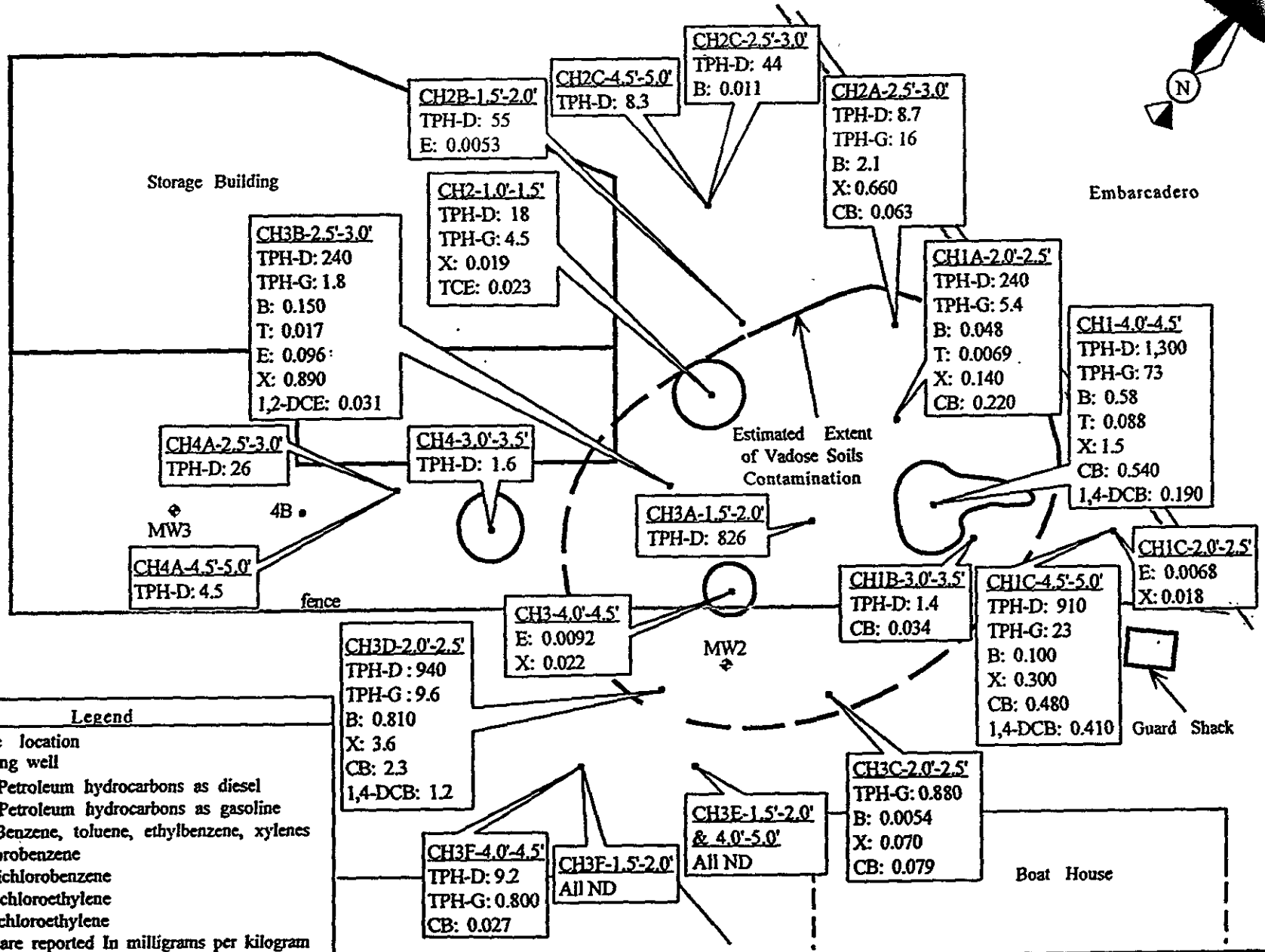
**TGSP11**  
TPH-D: 480  
Gas/BTEX: ND  
EPA8010: ND



Laboratory Analytical Results for Groundwater Samples Collected on June 21, 1995 and TGSP Samples Former Pacific Dry Dock & Repair Company Yard II Facility Oakland, California

Figure 4  
Versar, Inc.

Project No. 2463

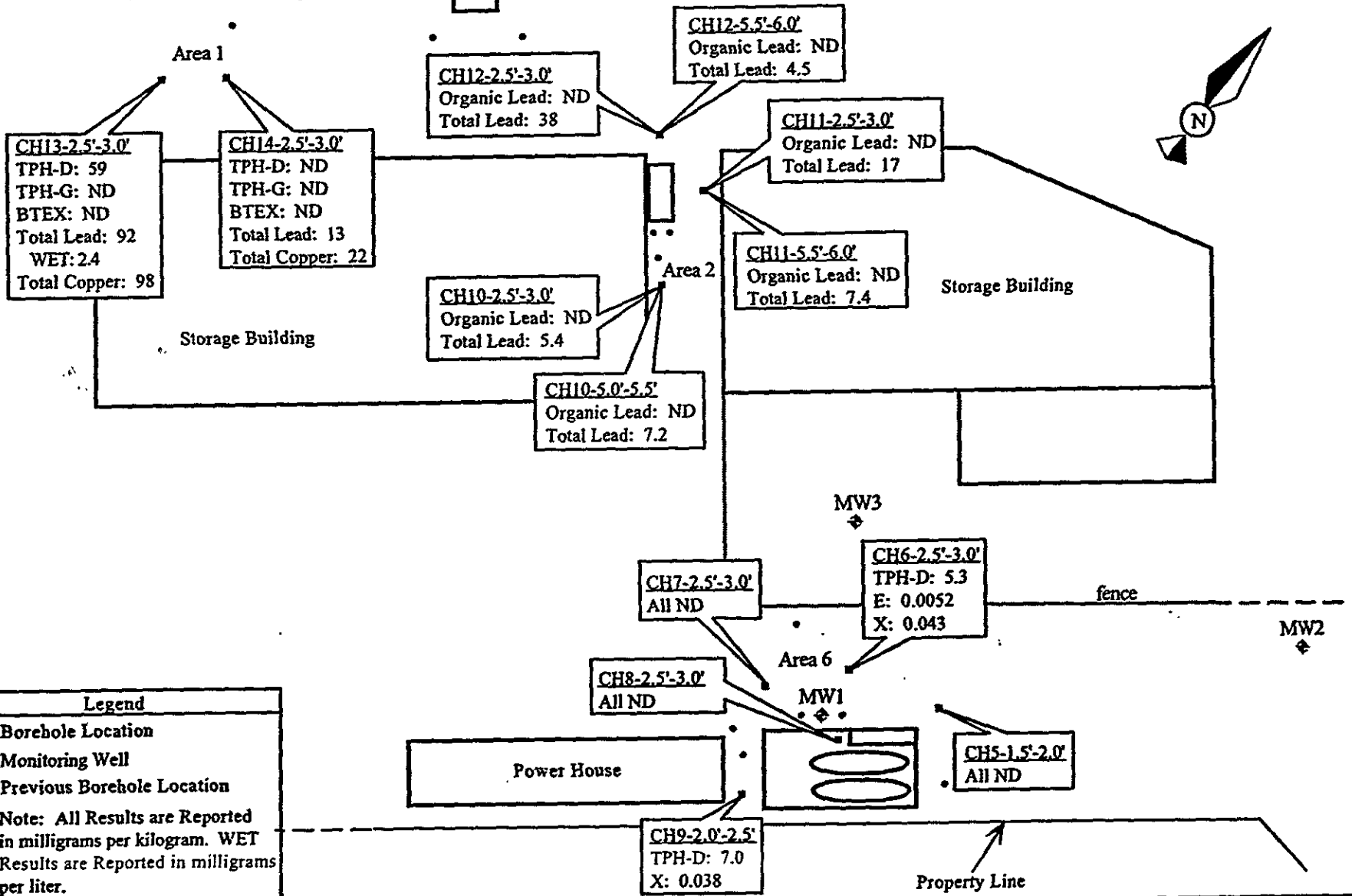


April 1995 Analytical Results for Area 5  
 Pacific Dry Dock & Repair Company Yard II  
 Oakland, California

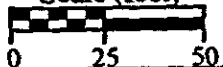
Figure 3  
 Versar, Inc.

Project No. 2463

Oakland Inner Harbor



Scale (feet)

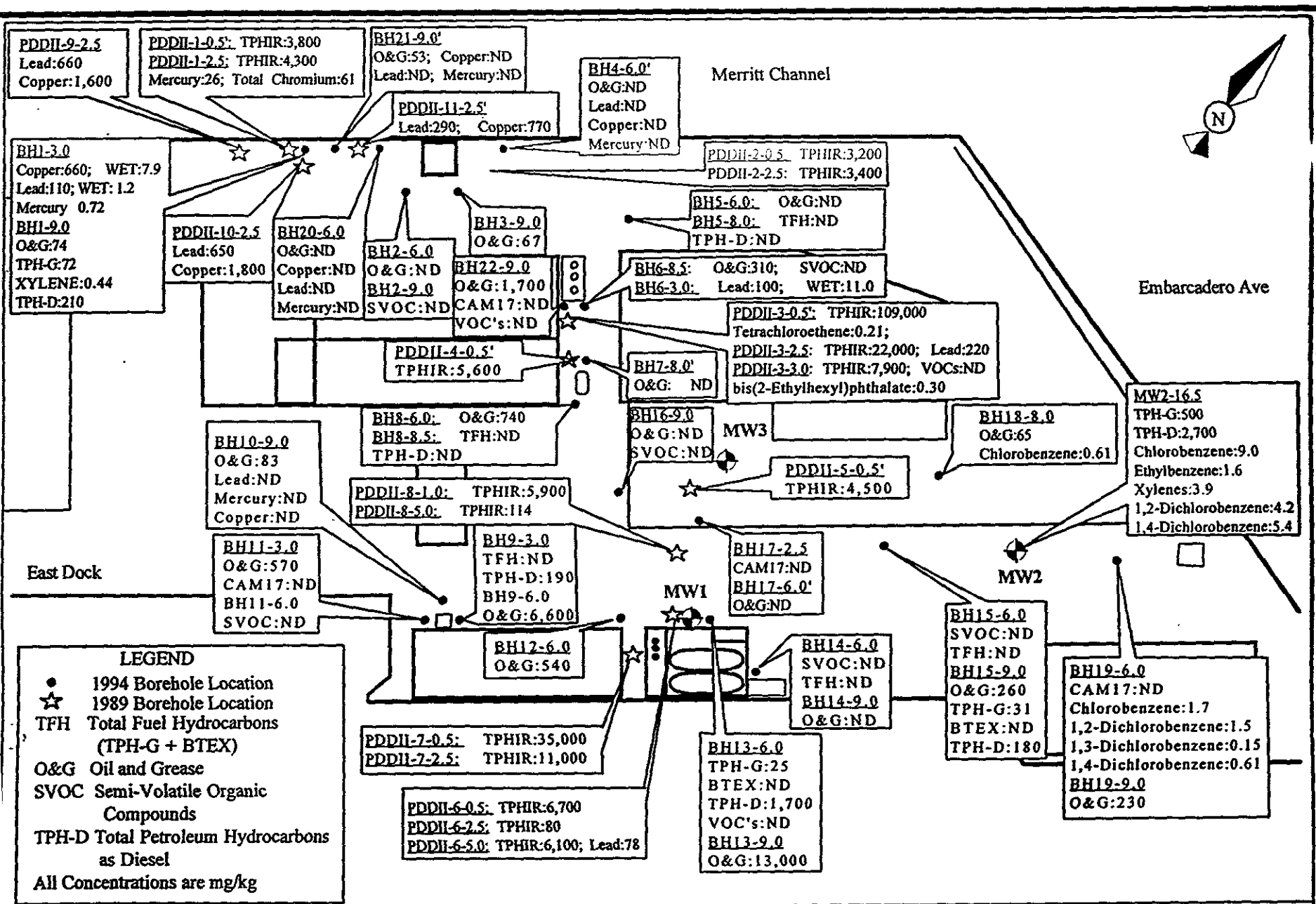


Project No. 2463

April 1995 Analytical Results for Areas 1, 2, and 6  
Former Pacific Dry Dock Facility & Repair Company Yard II  
Oakland, California

Figure 2

Versar, Inc.



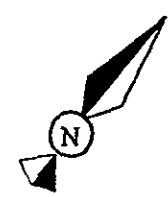
PDDII-9-2.5  
Lead:660  
Copper:1,600

PDDII-1-0.5: TPHIR:3,800  
PDDII-1-2.5: TPHIR:4,300  
Mercury:26; Total Chromium:61

BH21-9.0'  
O&G:53; Copper:ND  
Lead:ND; Mercury:ND

BH4-6.0'  
O&G:ND  
Lead:ND  
Copper:ND  
Mercury:ND

Merritt Channel



BH1-3.0  
Copper:660; WET:7.9  
Lead:110; WET:1.2  
Mercury 0.72  
BH1-9.0  
O&G:74  
TPH-G:72  
XYLENE:0.44  
TPH-D:210

PDDII-10-2.5  
Lead:650  
Copper:1,800

BH20-6.0  
O&G:ND  
Copper:ND  
Lead:ND  
Mercury:ND

BH2-6.0  
O&G:ND  
Lead:ND  
SVOC:ND

BH3-9.0  
O&G:67

BH22-9.0  
O&G:1,700  
CAM17:ND  
VOC's:ND

PDDII-2-0.5 TPHIR:3,200  
PDDII-2-2.5: TPHIR:3,400

BH5-6.0: O&G:ND  
BH5-8.0: TFH:ND  
TPH-D:ND

BH6-8.5: O&G:310; SVOC:ND  
BH6-3.0: Lead:100; WET:11.0

PDDII-3-0.5: TPHIR:109,000  
Tetrachloroethene:0.21;  
PDDII-3-2.5: TPHIR:22,000; Lead:220  
PDDII-3-3.0: TPHIR:7,900; VOCs:ND  
bis(2-Ethylhexyl)phthalate:0.30

Embarcadero Ave

PDDII-4-0.5'  
TPHIR:5,600

BH7-8.0'  
O&G: ND

BH16-9.0  
O&G:ND  
SVOC:ND

BH8-6.0: O&G:740  
BH8-8.5: TFH:ND  
TPH-D:ND

PDDII-8-1.0: TPHIR:5,900  
PDDII-8-5.0: TPHIR:114

PDDII-5-0.5'  
TPHIR:4,500

BH18-8.0  
O&G:65  
Chlorobenzene:0.61

MW2-16.5  
TPH-G:500  
TPH-D:2,700  
Chlorobenzene:9.0  
Ethylbenzene:1.6  
Xylenes:3.9  
1,2-Dichlorobenzene:4.2  
1,4-Dichlorobenzene:5.4

East Dock

BH10-9.0  
O&G:83  
Lead:ND  
Mercury:ND  
Copper:ND

BH11-3.0  
O&G:570  
CAM17:ND  
BH11-6.0  
SVOC:ND

BH12-6.0  
O&G:540

PDDII-7-0.5: TPHIR:35,000  
PDDII-7-2.5: TPHIR:11,000

PDDII-6-0.5: TPHIR:6,700  
PDDII-6-2.5: TPHIR:80  
PDDII-6-5.0: TPHIR:6,100; Lead:78

MW1

BH17-2.5  
CAM17:ND  
BH17-6.0'  
O&G:ND

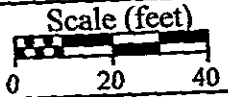
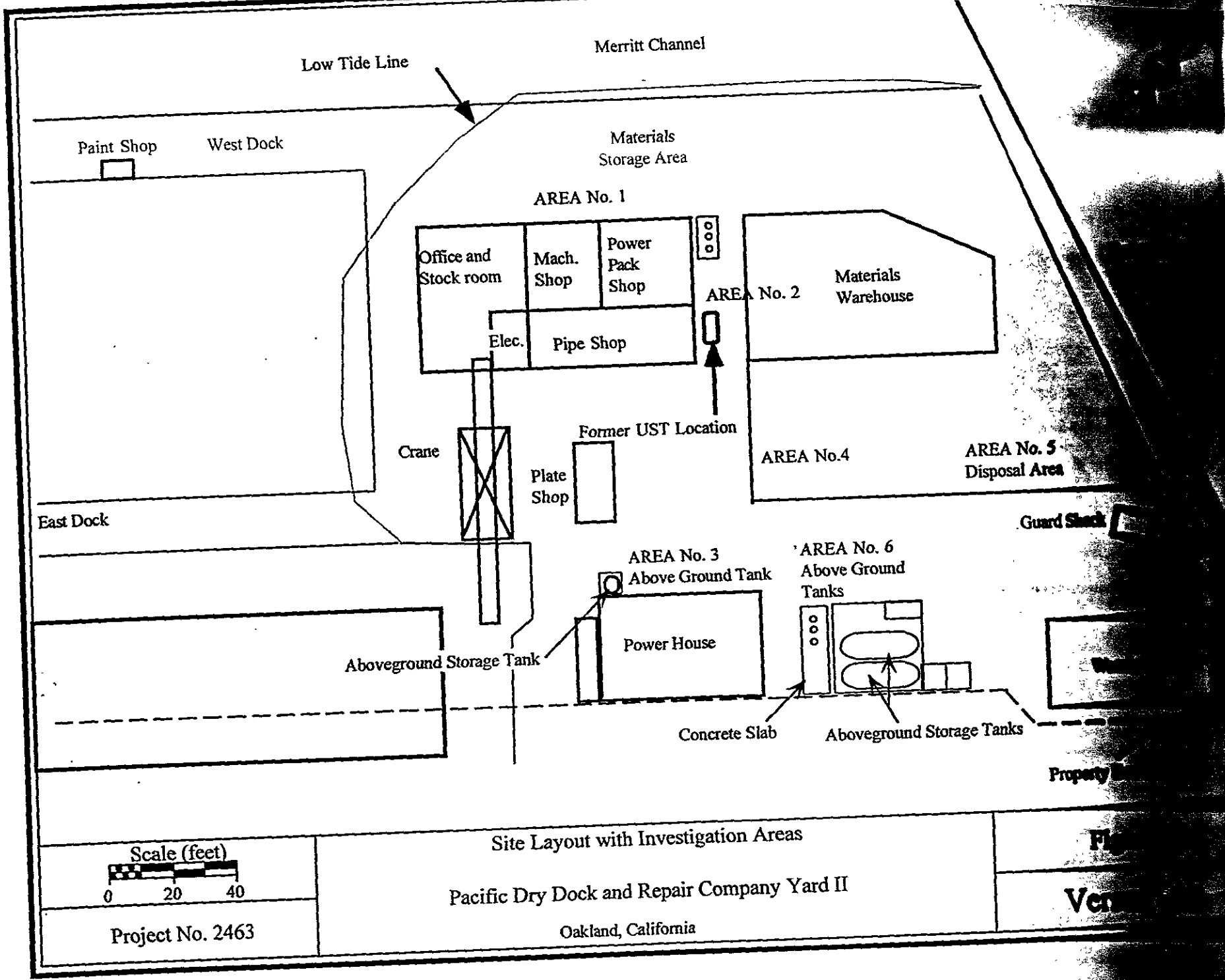
BH14-6.0  
SVOC:ND  
TFH:ND  
BH14-9.0  
O&G:ND

BH13-6.0  
TPH-G:25  
BTEX:ND  
TPH-D:1,700  
VOC's:ND  
BH13-9.0  
O&G:13,000

MW2

BH15-6.0  
SVOC:ND  
TFH:ND  
BH15-9.0  
O&G:260  
TPH-G:31  
BTEX:ND  
TPH-D:180

BH19-6.0  
CAM17:ND  
Chlorobenzene:1.7  
1,2-Dichlorobenzene:1.5  
1,3-Dichlorobenzene:0.15  
1,4-Dichlorobenzene:0.61  
BH19-9.0  
O&G:230



Project No. 2463

Site Layout with Investigation Areas  
 Pacific Dry Dock and Repair Company Yard II  
 Oakland, California

FIG. 1  
 Ver.

Docking Area

Area No. 1

Production Office

BH17  
ND/7.5

BH13  
ND/10.0

BH16  
0.970/7.5

BH15  
ND/5.0

BH14  
ND/7.5

Area No. 2

Marine Railway  
No. 1

BH12  
15/6.0

Winch House

BH10  
ND/5.0

BH11  
9.4/5.0

Marine Railway  
No. 2

BH9  
0.620/7.5

Paint Storage

BH3  
2.1/7.5

BH4  
3.2/7.5

BH2  
250/7.5

BH1  
2.4/4.5

BH5  
13/5.0

BH6  
ND/10.0

BH7  
ND/7.5

BH8  
ND/7.5

Area No. 3

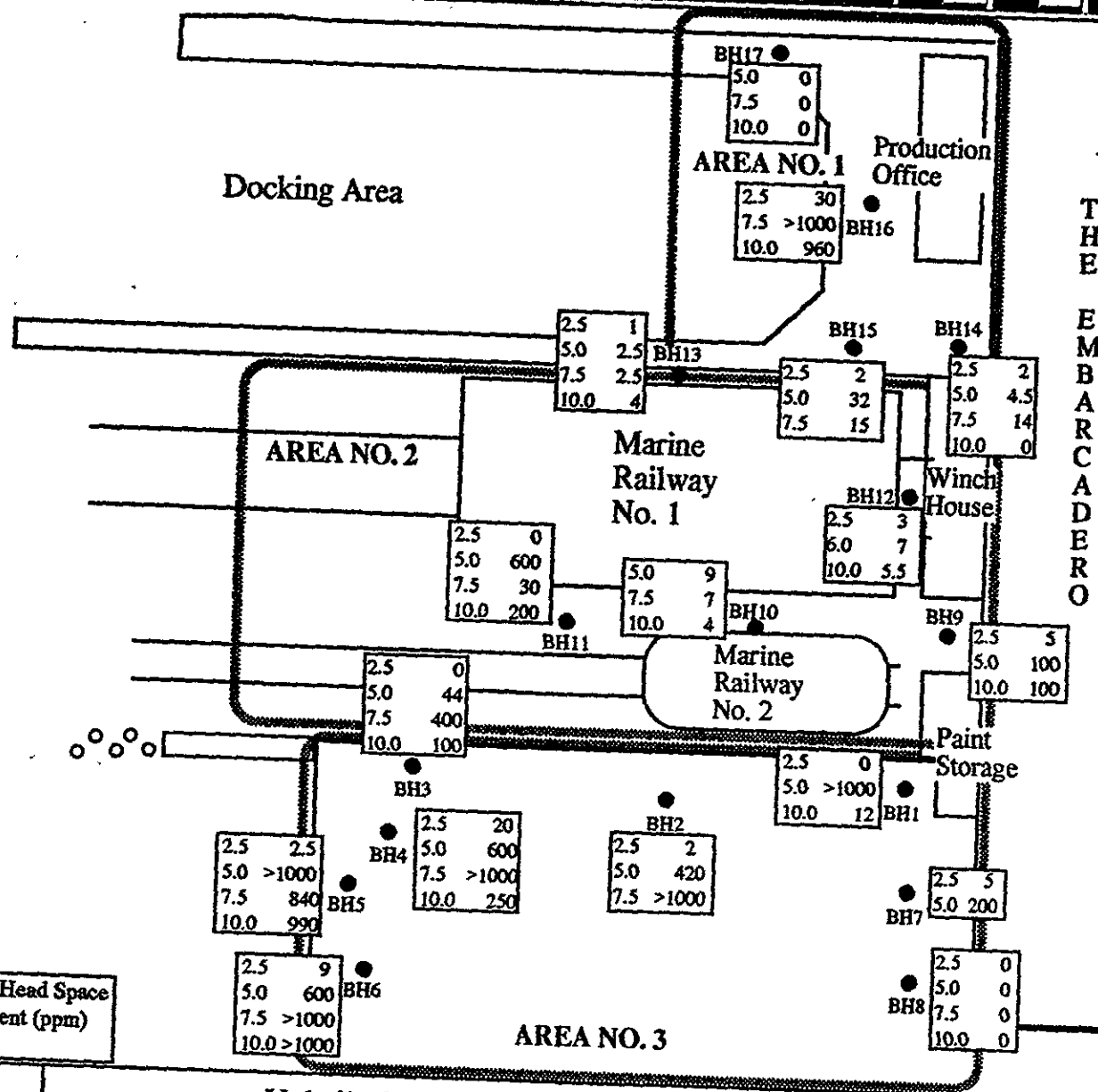


Approximate

0 30

Milligrams per Cubic

Detected



THE EMBARCADERO

Docking Area

AREA NO. 1

Production Office

AREA NO. 2

Marine Railway No. 1

Marine Railway No. 2

AREA NO. 3

Winch House

Paint Storage

BH17

5.0	0
7.5	0
10.0	0

BH16

2.5	30
7.5	>1000
10.0	960

BH13

2.5	1
5.0	2.5
7.5	2.5
10.0	4

BH15

2.5	2
5.0	32
7.5	15

BH14

2.5	2
5.0	4.5
7.5	14
10.0	0

BH11

2.5	0
5.0	600
7.5	30
10.0	200

BH10

5.0	9
7.5	7
10.0	4

BH12

2.5	3
6.0	7
10.0	5.5

BH9

2.5	5
5.0	100
10.0	100

BH3

2.5	0
5.0	44
7.5	400
10.0	100

BH1

2.5	0
5.0	>1000
10.0	12

BH5

2.5	2.5
5.0	>1000
7.5	840
10.0	990

BH4

2.5	20
5.0	600
7.5	>1000
10.0	250

BH2

2.5	2
5.0	420
7.5	>1000

BH7

2.5	5
5.0	200

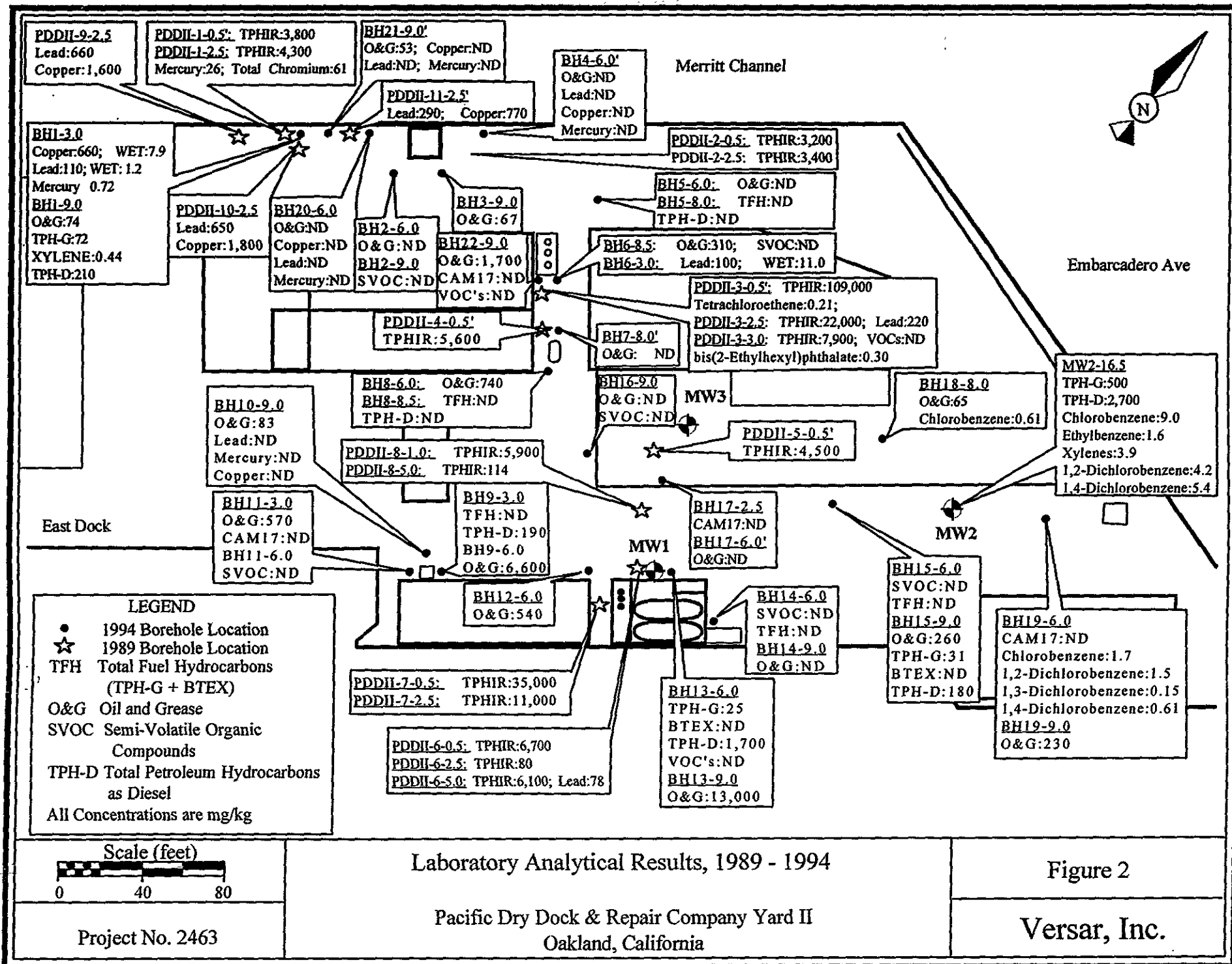
BH6

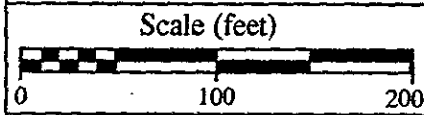
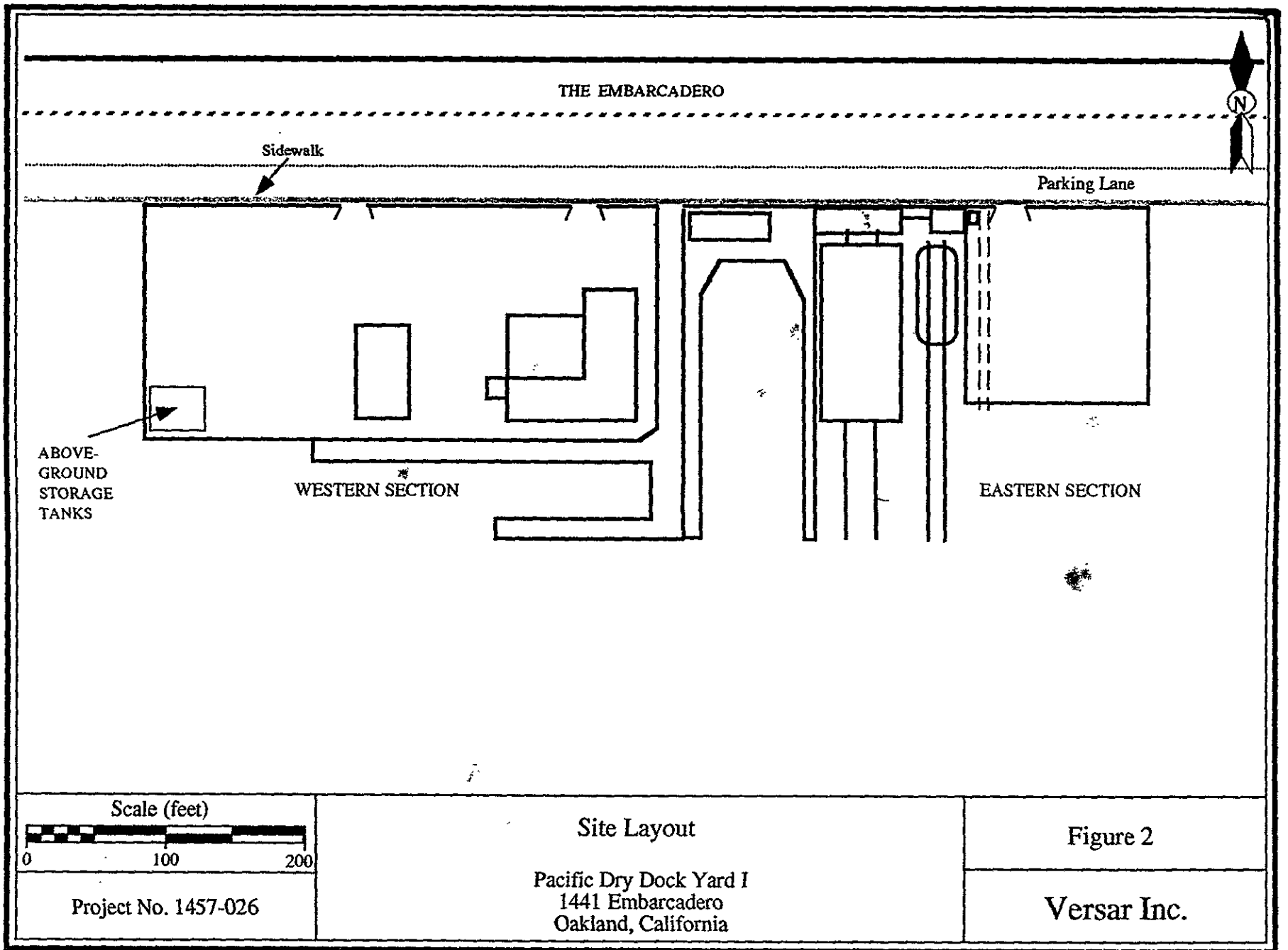
2.5	9
5.0	600
7.5	>1000
10.0	>1000

BH8

2.5	0
5.0	0
7.5	0
10.0	0







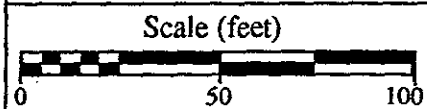
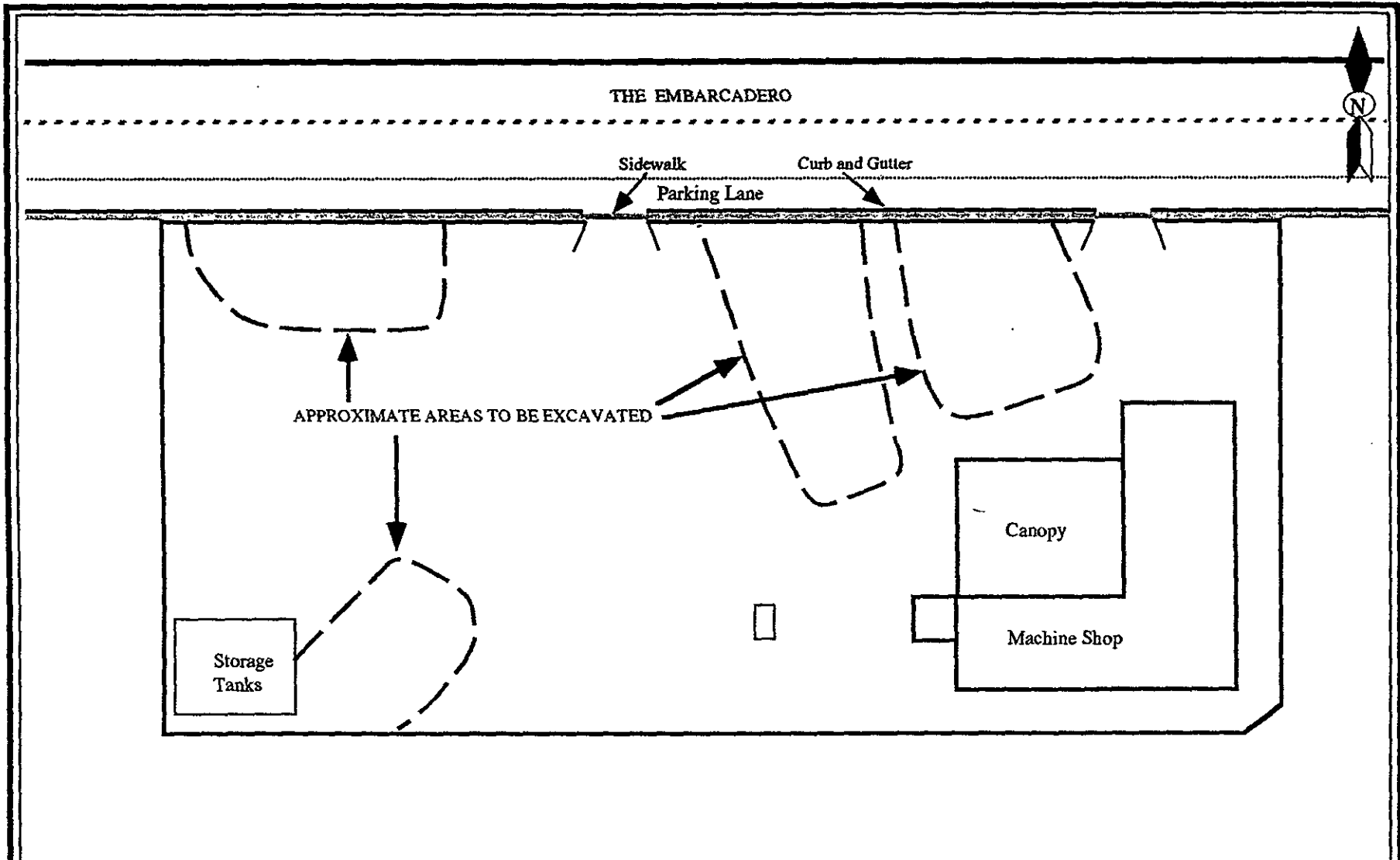
Project No. 1457-026

Site Layout

Pacific Dry Dock Yard I  
 1441 Embarcadero  
 Oakland, California

Figure 2

Versar Inc.



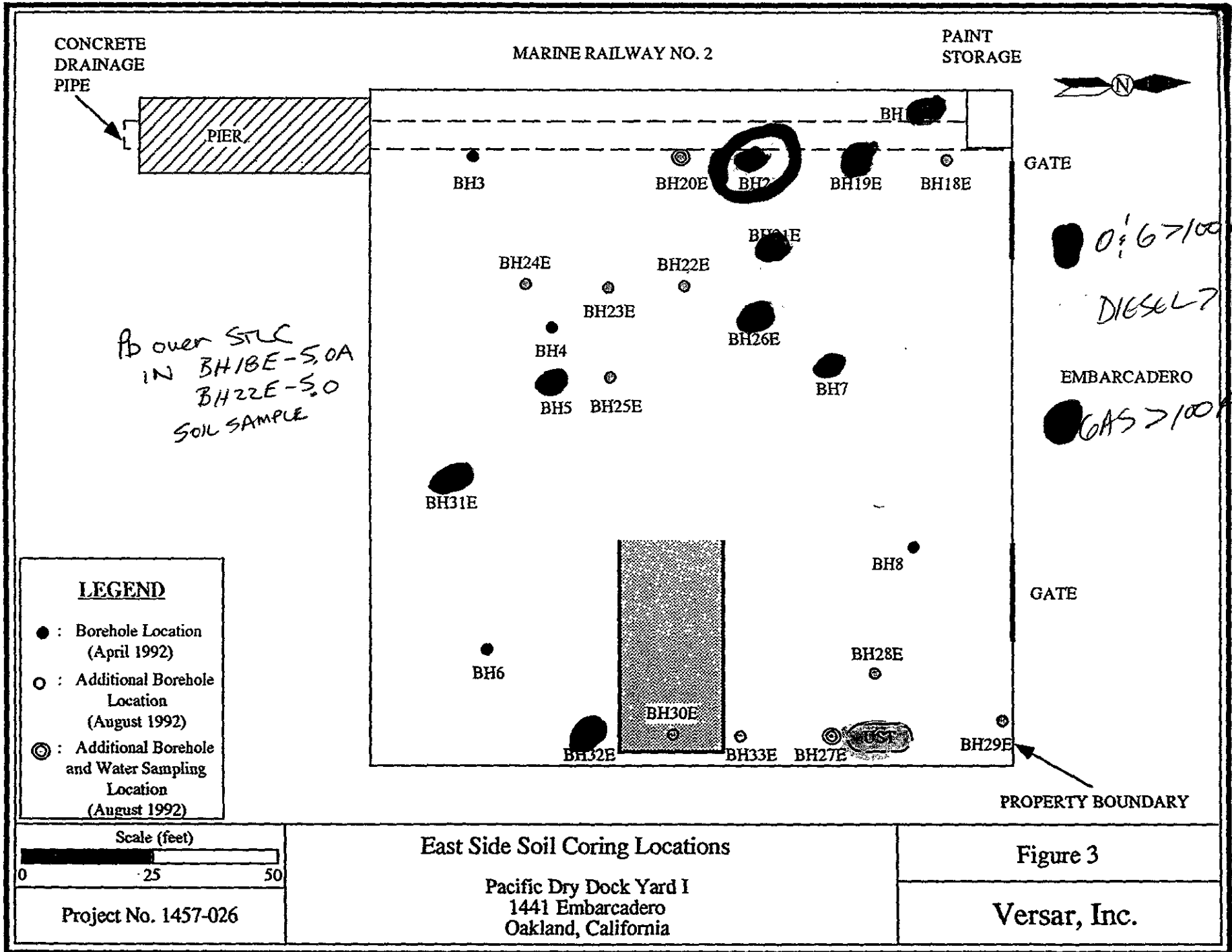
Proposed Areas of Excavation-Western Section

Pacific Dry Dock Yard I  
 1441 Embarcadero  
 Oakland, California

Figure 4

Versar Inc.

Project No. 1457-026



CONCRETE DRAINAGE PIPE

MARINE RAILWAY NO. 2

PAINT STORAGE



BH3

BH20E

BH37

BH19E

BH18E

GATE

*Pd over STLC  
IN BH18E-S.OA  
BH22E-S.O  
SOIL SAMPLE*

*0:6 > 100 PPM  
DIESEL 7 100 PPM*

BH24E

BH22E

BH31E

BH23E

BH26E

BH4

BH7

BH5

BH25E

EMBARCADERO

*GAS > 100 PPM*

BH31E

BH8

GATE

**LEGEND**

- : Borehole Location (April 1992)
- : Additional Borehole Location (August 1992)
- ⊙ : Additional Borehole and Water Sampling Location (August 1992)

BH6

BH28E

BH30E

BH32E

BH33E

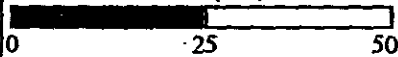
BH27E

UST

BH29E

PROPERTY BOUNDARY

Scale (feet)



**East Side Soil Coring Locations**

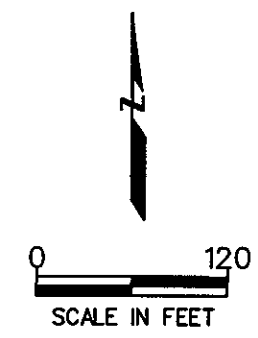
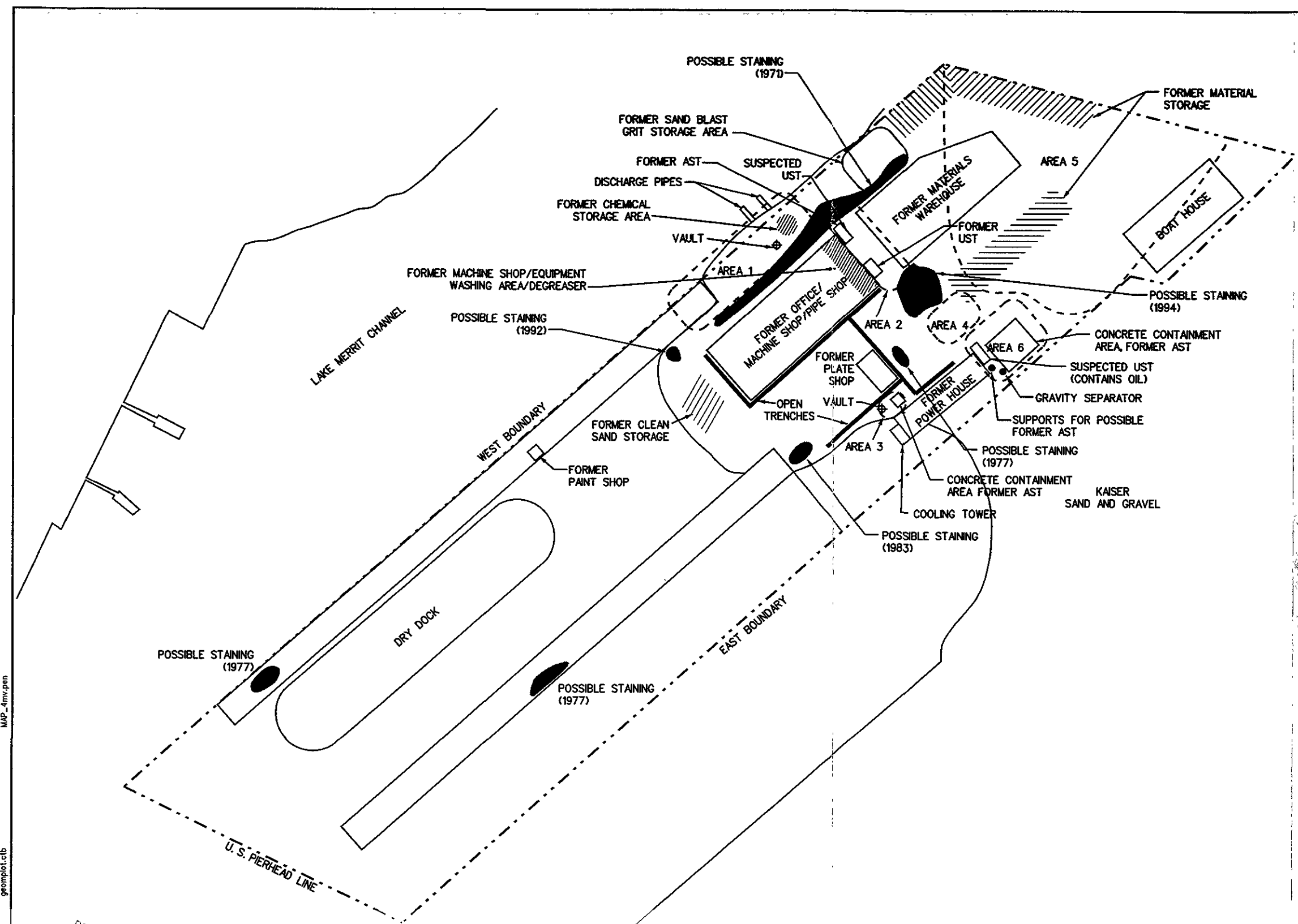
Pacific Dry Dock Yard I  
1441 Embarcadero  
Oakland, California

Figure 3

Project No. 1457-026

Versar, Inc.

202-1467  
Diane Demer



- EXPLANATION
- ◆ UNDERGROUND VAULT
  - OPEN TRENCHES
  - - - SITE BOUNDARY
  - (1994) DATE OF AERIAL PHOTOGRAPH REVIEWED

- NOTES
- 1 Base map adapted from NEPSAR, Inc., October 1991
  - 2 Locations of features shown are approximate
  - 3 AST= Aboveground Storage Tank  
UST= Underground Storage Tank

<p><b>CURRENT AND HISTORICAL SITE FEATURES</b> Pacific Dry Dock and Repair, Yard II 321 Embarcadero Oakland, California</p>		
 GEOMATRIX	Project No. 3999	Figure 1

10-APR 1997 15:19  
 s:\3000\33999\321\_embarr\_cad\p\01.dgn  
 \APR\T\SRV\SF\4M\7B  
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 kubar  
 cad\p\01.dgn  
 geomplot.ctb  
 CHECKED