Final
Remedial Investigation Report
Presidio Main Installation

Presidio of San Francisco

Volume IV
Figures Section 6

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Task Order 0002, Data Item A009

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Dames and Moore has conducted a Remedial Investigation (RI) of the Presidio of San Francisco (PSF), CA. The objectives of the RI included the determination of the nature and extent of contamination at PSF and to quantify both the human health and ecological risk posed by that contamination. The report concludes that, in general, the Presidio does not pose a significant risk to either human health or the environment. There are, however, a number of locations where elevated risks are present. The remedial actions to abate those risks will be identified in a follow -on document called the "Presidio Main Installation, Feasibility Study".

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1. INTRODUCTION

This Final Remedial Investigation (RI) Report presents the results of the Main Installation RI conducted under the direction of the U.S. Army Environmental Center (USAEC), formerly U.S. Army Toxic and Hazardous Materials Agency (USATHAMA) at the Presidio of San Francisco (PSF). This RI report was prepared by Dames & Moore under contract No. DAAA15-90-D-0018 with the USAEC.

Volume IV, this volume, of the Final Remedial Investigation Report contains the figures referenced by section 6 of the report text in Volume I. Section tabs in this volume correspond to the section tabs in Volume I, making it easy to find the corresponding figure.

The remaining seven volumes contain information as follows: Volume I contains the text of the body of the report. Volume II contains the tables referenced in Volume I. Volume III contains the figures referenced by sections 1 through 5 of Volume I. Volume V contains the figures referenced by sections 7 through 15 of Volume I. Volumes VI through VIII contain supporting documentation for the RI in Appendices A through U.

The following report outline shows section and Appendix titles for all eight report volumes and is included in the introduction section of each volume of this RI report.

1.1 Report Outline: Final Remedial Investigation Report Presidio Main Installation, Presidio of San Francisco

The following outline lists the major sections in each of the eight volumes of this RI report.

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3. Investigation Methods
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5. Crissy Field Study Area
6. Building 900s Series Study Area
7. Directorate of Engineering and Housing Study Area
8. Main Post Study Area
9. Fill Sites and Landfills
10. Miscellaneous Sites
11. Golden Gate Bridge Highway and Transportation District Study Area
12. Baker Beach Study Area
13. Battery Howe/Wagner
14. Miscellaneous Follow-on Sites
15. Baseline Risk Assessment
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12. Baker Beach Study Area
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- B Nike Facility
- C Crissy Field Study Area
- D Building 900s Series Study Area
- E DEH Study Area
- F Main Post Study Area

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- H Miscellaneous Sites
- I Golden Gate Bridge Highway and Transportation District Study Area
- J Baker Beach Study Area
- K Battery Howe/Wagner
- L Miscellaneous Follow-on Sites
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- N Geophysical Data
- O Well and Sample Data
- P Transducer Study
- Q Fate and Transport Data

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- T QA/QC Program
- U Risk Calculation Spreadsheets

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The following index shows where each study area, building, and site is discussed in the RI report. Note, however, that although all listed items are discussed, not all listed items are areas which were investigated in this RI. The index can also be cross referenced with Figure 1.2-1.

For space requirements in the index, and for brevity in the rest of this RI report, the Golden Gate Bridge, Highway, and Transportation District Study Area is abbreviated as GGBHTD Study Area. For the same reasons, the Directorate of Engineering and Housing Study Area is abbreviated as DEH Study Area.

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Building 1057	8. Main Post Study Area
Building 1065	8. Main Post Study Area
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Building 1153	8. Main Post Study Area
Building 1167	8. Main Post Study Area
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Building 1245	14. Miscellaneous Follow-on Sites
Building 1285	13. Battery Howe/Wagner
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Building 1351	10. Miscellaneous Sites
Building 1369	14. Miscellaneous Follow-on Sites
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Building 229	8. Main Post Study Area

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Building 269	7. DEH Study Area
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Building 633	5. Crissy Field Study Area
Building 634	5. Crissy Field Study Area
Building 637	5. Crissy Field Study Area
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Building 927	6. Building 900s Series Study Area
Building 929	6. Building 900s Series Study Area
Building 930	6. Building 900s Series Study Area
Building 931	6. Building 900s Series Study Area
Building 933	6. Building 900s Series Study Area
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Building 937	6. Building 900s Series Study Area
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Building 995	10. Miscellaneous Sites
Building 996	10. Miscellaneous Sites
Building 997	10. Miscellaneous Sites
Building 998	10. Miscellaneous Sites
Building 999	10. Miscellaneous Sites
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Crissy Field Study Area	5. Crissy Field Study Area
Directorate of Engineering and Housing Study Area	7. DEH Study Area
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Disturbed Area 2	12. Baker Beach
Disturbed Area 3	12. Baker Beach
Disturbed Area 4	12. Baker Beach
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East of Mason	14. Miscellaneous Follow-on Sites
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Fill Site 5	9. Fill Sites and Landfills
Fill Site 6	9. Fill Sites and Landfills
Fill Site 7	5. Crissy Field Study Area
Fill Sites and Landfills	9. Fill Sites and Landfills
Fort Point U.S. Coast Guard Station (FPCGS)	10. Miscellaneous Sites
GGBHTD Study Area	11. GGBHTD Study Area
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Landfill 2	9. Fill Sites and Landfills
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Letterman Army Institute of Research	2. Background
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Main Post Study Area	8. Main Post Study Area
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Study Area/Building/Site	RI Report Section
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POL Area	5. Crissy Field Study Area
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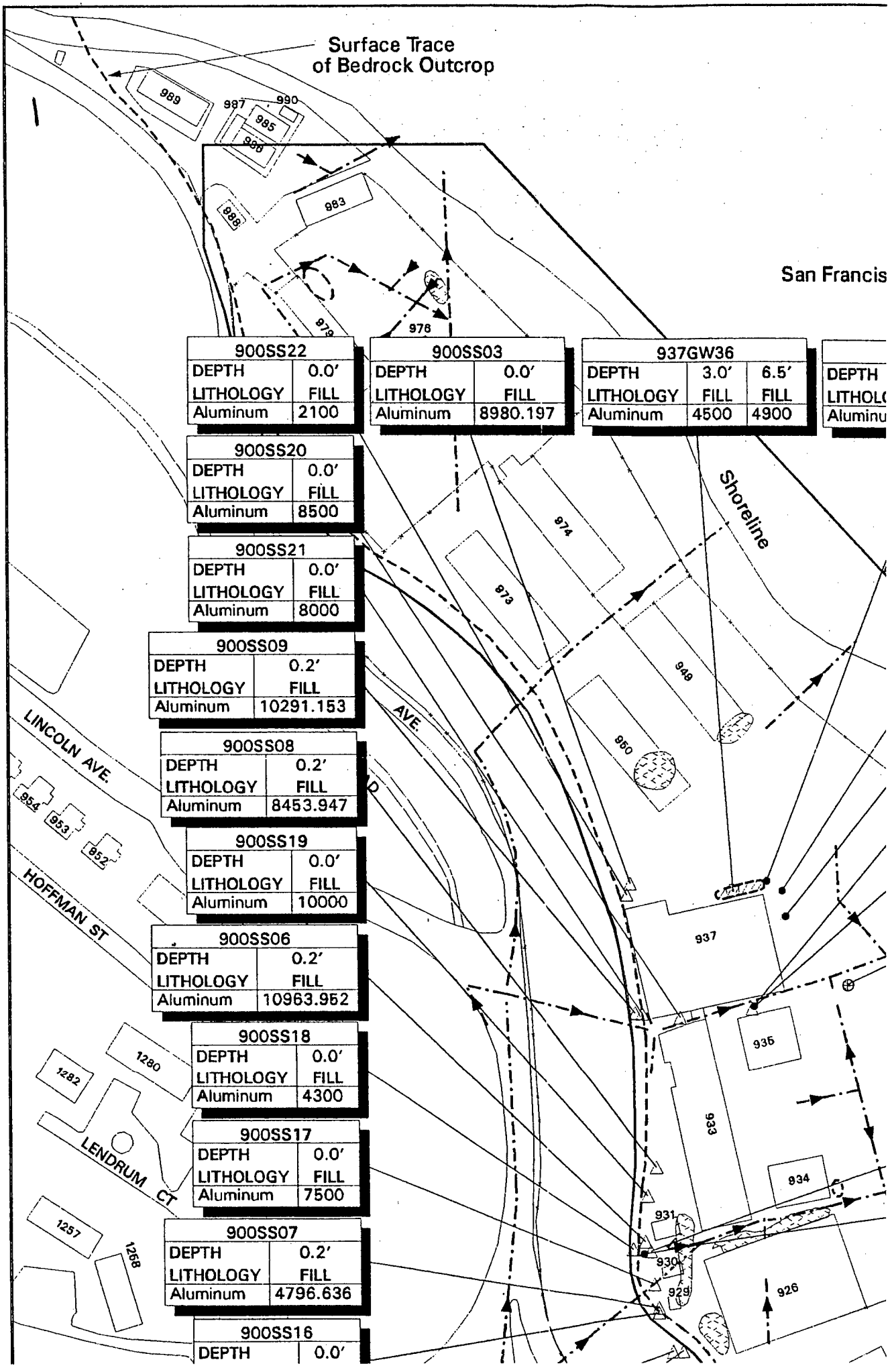
Surface Trace
of Bedrock Outcrop
San Francis
Shoreline
LINCOLN AVE.
HOFFMAN ST
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989
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900SS22
DEPTH 0.0′
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Aluminum 2100
900SS03
DEPTH 0.0′
LITHOLOGY FILL
Aluminum 8980.197
937GW36
DEPTH 3.0′ 6.5′
LITHOLOGY FILL FILL
Aluminum 4500 4900
900SS20
DEPTH 0.0′
LITHOLOGY FILL
Aluminum 8500
900SS21
DEPTH 0.0′
LITHOLOGY FILL
Aluminum 8000
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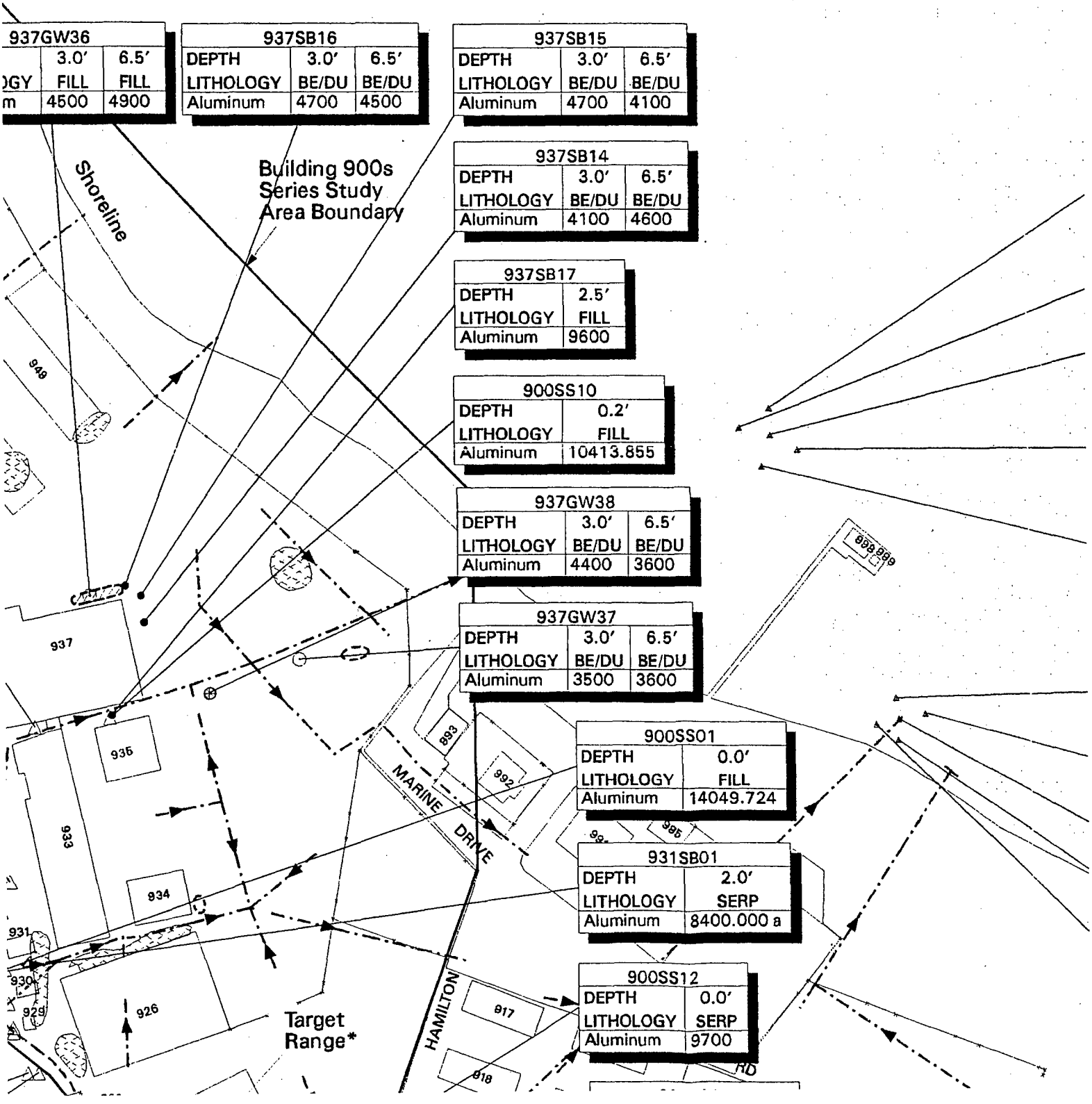
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6.5′ FILL 4900
937SB16
DEPTH 3.0′ 6.5′
LITHOLOGY BE/DU BE/DU
Aluminum 4700 4500
937SB15
DEPTH 3.0′ 6.5′
LITHOLOGY BE/DU BE/DU
Aluminum 4700 4100
937SB14
DEPTH 3.0′ 6.5′
LITHOLOGY BE/DU BE/DU
Aluminum 4100 4600
937SB17
DEPTH 2.5′
LITHOLOGY FILL
Aluminum 9600
900SS10
DEPTH 0.2′
LITHOLOGY FILL
Aluminum 10413.855
937GW38
DEPTH 3.0′ 6.5′
LITHOLOGY BE/DU BE/DU
Aluminum 4400 3600
937GW37
DEPTH 3.0′ 6.5′
LITHOLOGY BE/DU BE/DU
Aluminum 3500 3600
900SS01
DEPTH 0.0′
LITHOLOGY FILL
Aluminum 14049.724
931SB01
DEPTH 2.0′
LITHOLOGY SERP
Aluminum 8400.000 a
900SS12
DEPTH 0.0′
LITHOLOGY SERP
Aluminum 9700
Shoreline
Building 900s Series Study Area Boundary
Target Range*
MARINE DRIVE
HAMILTON
949
937
935
933
934
931
930
929
926
893
992
985
917
918
999
RD

3

EXPLANATION

- ESAP SEDIMENT SAMPLE
- SURFACE SOIL SAMPLE
- SOIL BORING
- SHALLOW MONITORING WELL WITH SOIL SAMPLES
- DEEP MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STORM DRAIN WITH FLOW DIRECTION
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

OF13SD04	
DEPTH	0.0'
LITHOLOGY	MISC
Aluminum	4670

OF13SD01	
DEPTH	0.0'
LITHOLOGY	MISC
Aluminum	3340

OF13SD03	
DEPTH	0.0'
LITHOLOGY	MISC
Aluminum	4460

OF13SD05	
DEPTH	0.0'
LITHOLOGY	MISC
Aluminum	3170

OF13SD02	
DEPTH	0.0'
LITHOLOGY	MISC
Aluminum	4930

OF12SD04	
DEPTH	0.0'
LITHOLOGY	MISC
Aluminum	4850

OF12SD05	
DEPTH	0.0'
LITHOLOGY	MISC
Aluminum	6030

OF12SD03	
DEPTH	0.0'
LITHOLOGY	MISC
Aluminum	4880

OF12SD02	
DEPTH	0.0'
LITHOLOGY	MISC
Aluminum	5420

4

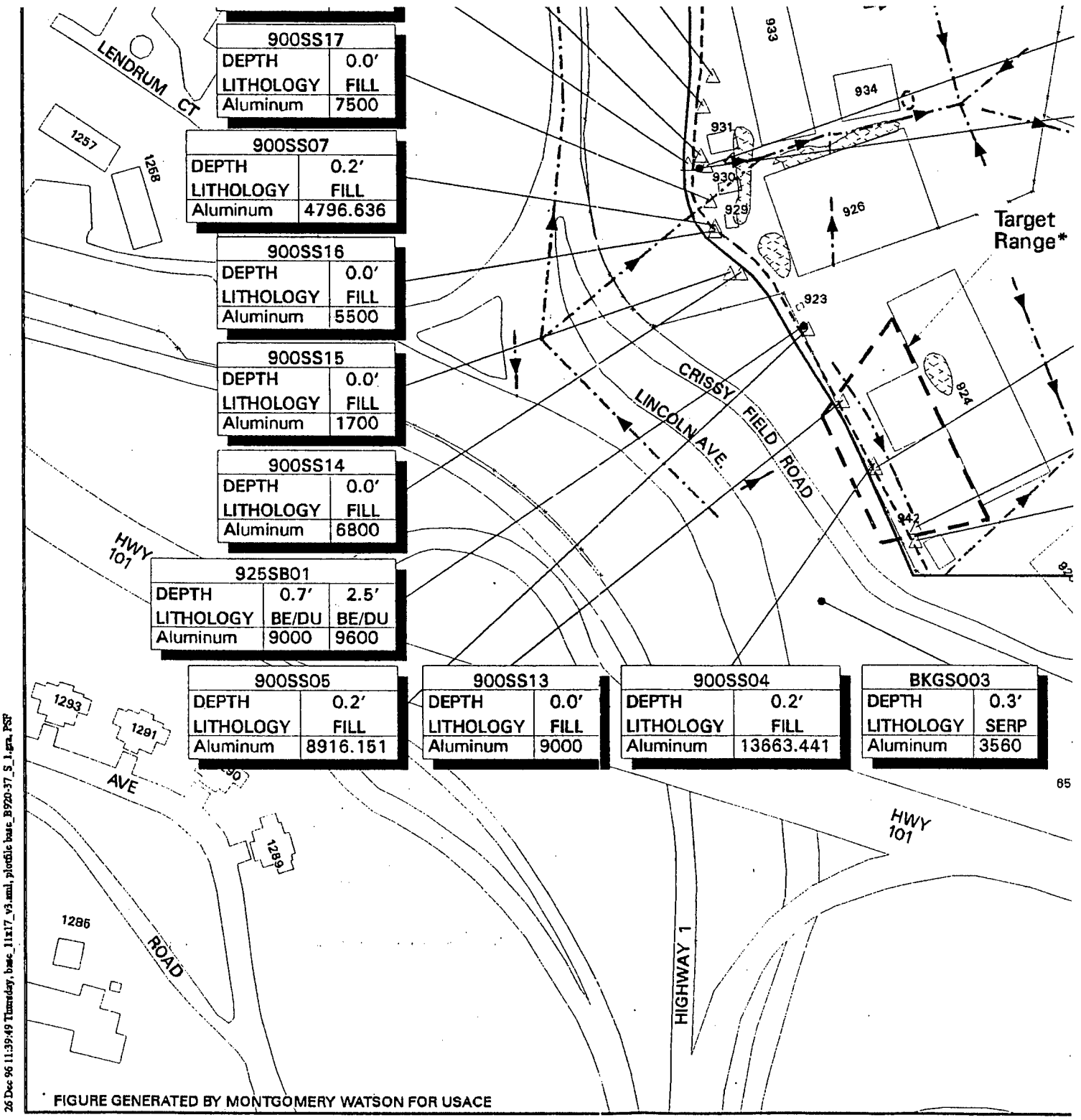

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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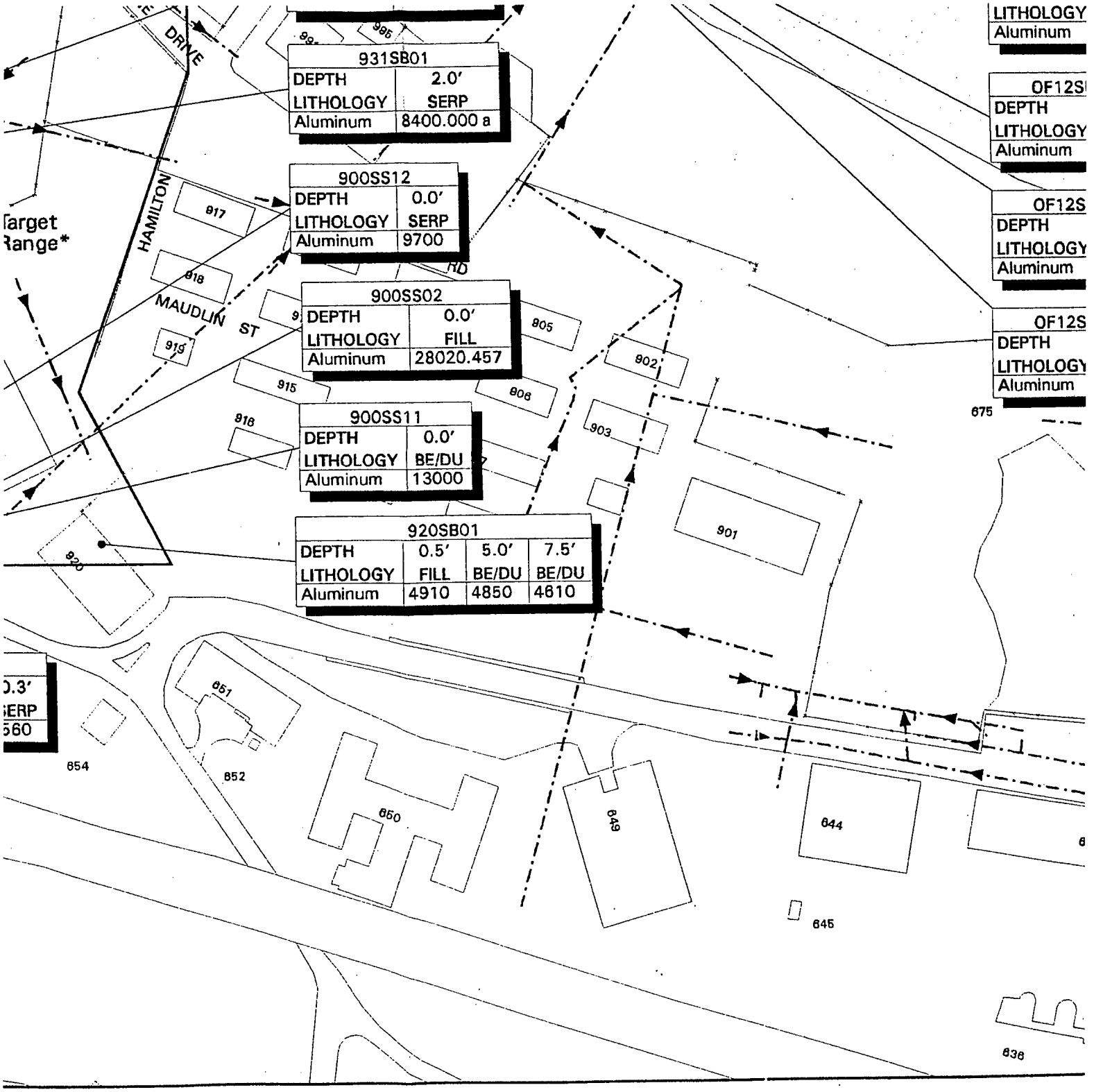
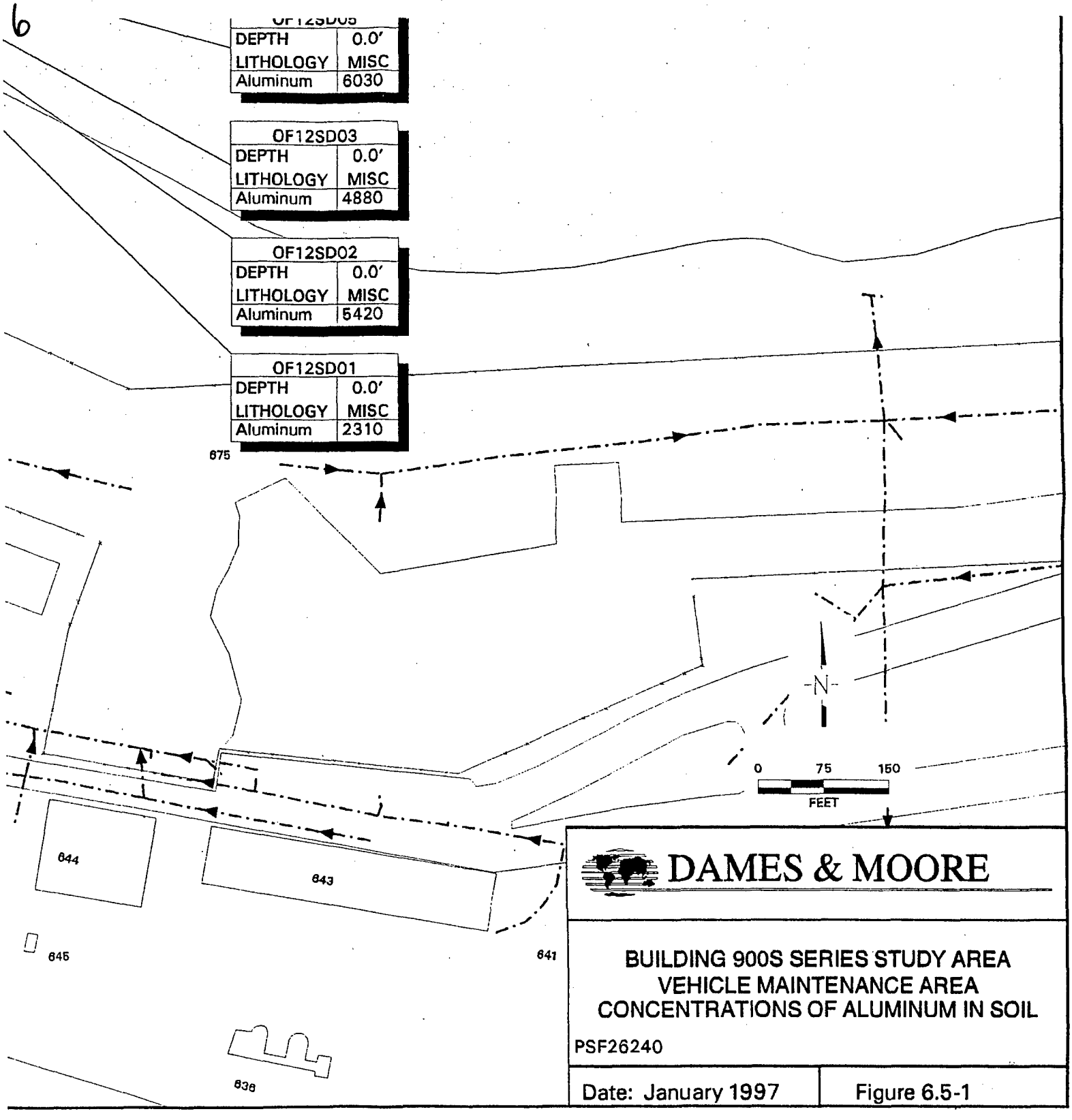

931SB01
DEPTH 2.0'
LITHOLOGY SERP
Aluminum 8400.000 a
900SS12
DEPTH 0.0'
LITHOLOGY SERP
Aluminum 9700
900SS02
DEPTH 0.0'
LITHOLOGY FILL
Aluminum 28020.457
900SS11
DEPTH 0.0'
LITHOLOGY BE/DU
Aluminum 13000
920SB01
DEPTH 0.5' 5.0' 7.5'
LITHOLOGY FILL BE/DU BE/DU
Aluminum 4910 4850 4610
LITHOLOGY
Aluminum
OF12S
DEPTH
LITHOLOGY
Aluminum
OF12S
DEPTH
LITHOLOGY
Aluminum
OF12S
DEPTH
LITHOLOGY
Aluminum
Target Range*
HAMILTON DRIVE
MAUDLIN ST
RD
917
918
915
916
915
905
902
906
903
901
675
920
651
654
652
650
649
644
645
636

6

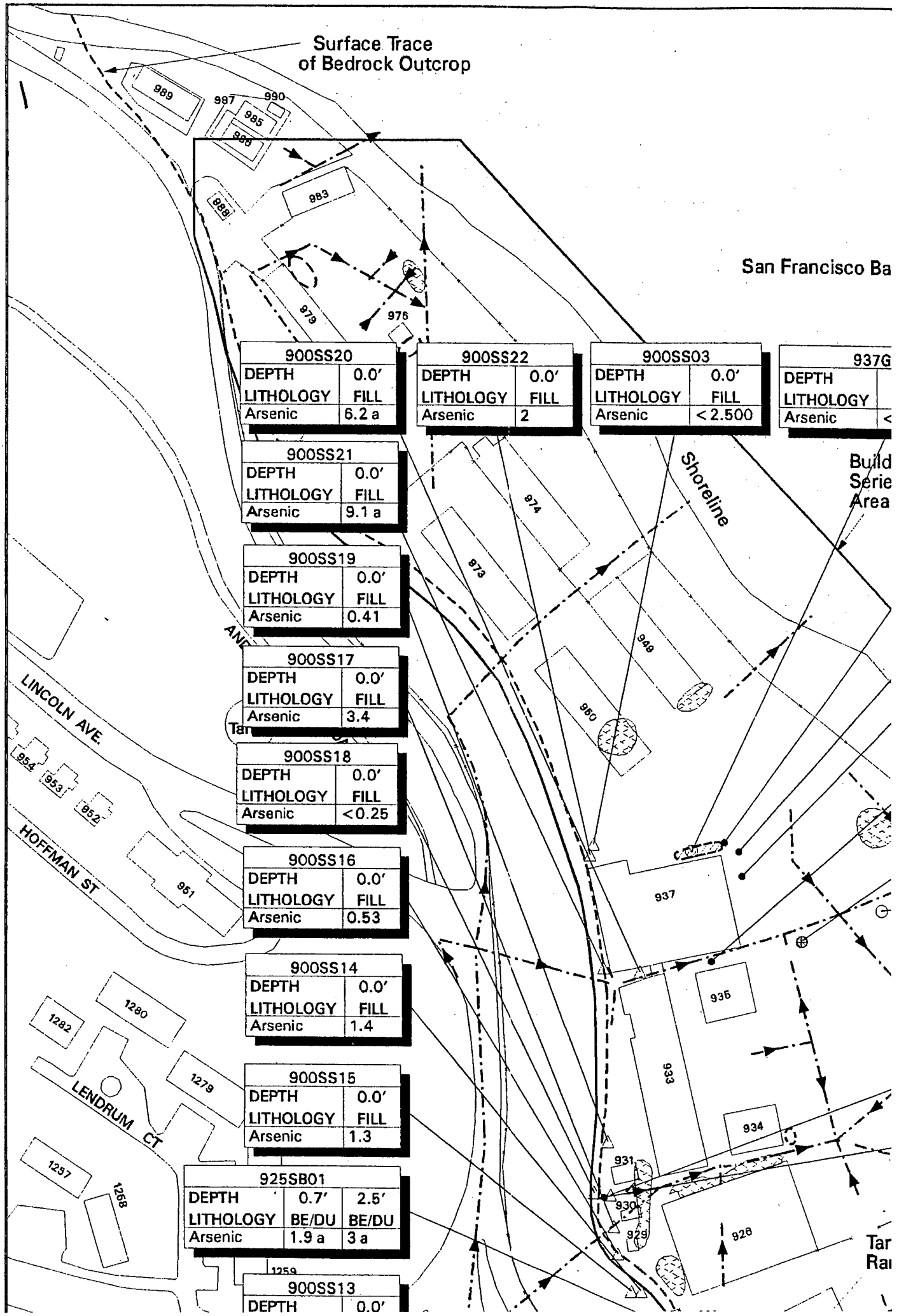


DAMES & MOORE

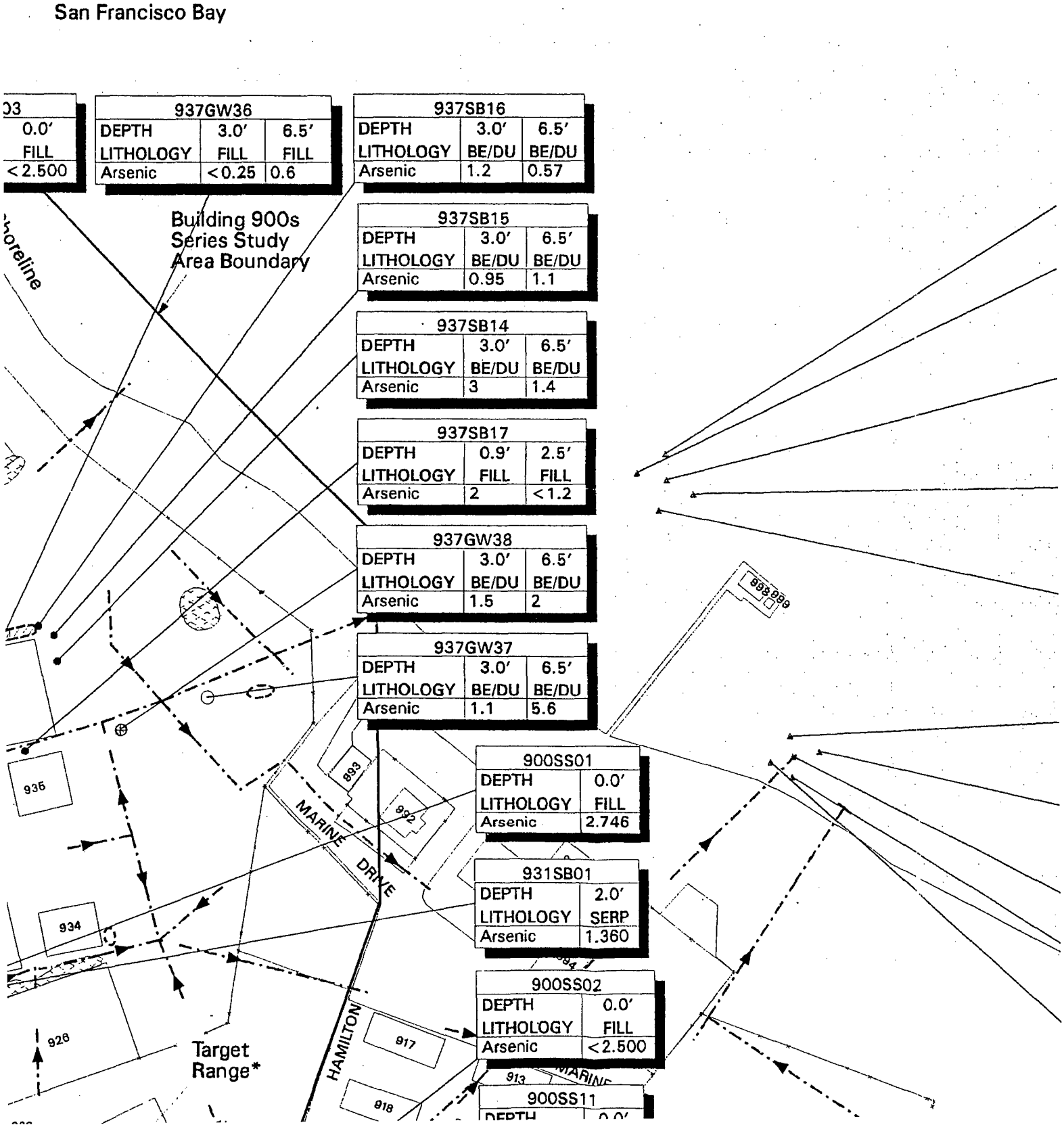
BUILDING 900S SERIES STUDY AREA
VEHICLE MAINTENANCE AREA
CONCENTRATIONS OF ALUMINUM IN SOIL

PSF26240

Date: January 1997 | Figure 6.5-1


Surface Trace
of Bedrock Outcrop
San Francisco Ba
Shoreline
Build
Serie
Area
LINCOLN AVE.
HOFFMAN ST
LENDRUM CT
989
987
990
985
986
983
979
976
974
973
949
960
954
953
952
951
1280
1282
1279
1237
1268
1259
937
935
933
934
931
930
929
926
900SS20
DEPTH 0.0′
LITHOLOGY FILL
Arsenic 6.2 a
900SS22
DEPTH 0.0′
LITHOLOGY FILL
Arsenic 2
900SS03
DEPTH 0.0′
LITHOLOGY FILL
Arsenic < 2.500
937G
DEPTH
LITHOLOGY
Arsenic <
900SS21
DEPTH 0.0′
LITHOLOGY FILL
Arsenic 9.1 a
900SS19
DEPTH 0.0′
LITHOLOGY FILL
Arsenic 0.41
900SS17
DEPTH 0.0′
LITHOLOGY FILL
Arsenic 3.4
900SS18
DEPTH 0.0′
LITHOLOGY FILL
Arsenic < 0.25
900SS16
DEPTH 0.0′
LITHOLOGY FILL
Arsenic 0.53
900SS14
DEPTH 0.0′
LITHOLOGY FILL
Arsenic 1.4
900SS15
DEPTH 0.0′
LITHOLOGY FILL
Arsenic 1.3
925SB01
DEPTH 0.7′ 2.5′
LITHOLOGY BE/DU BE/DU
Arsenic 1.9 a 3 a
900SS13
DEPTH 0.0′

2


San Francisco Bay
03
0.0′
FILL
< 2.500
937GW36
DEPTH | 3.0′ | 6.5′
LITHOLOGY | FILL | FILL
Arsenic | < 0.25 | 0.6
937SB16
DEPTH | 3.0′ | 6.5′
LITHOLOGY | BE/DU | BE/DU
Arsenic | 1.2 | 0.57
Building 900s Series Study Area Boundary
937SB15
DEPTH | 3.0′ | 6.5′
LITHOLOGY | BE/DU | BE/DU
Arsenic | 0.95 | 1.1
937SB14
DEPTH | 3.0′ | 6.5′
LITHOLOGY | BE/DU | BE/DU
Arsenic | 3 | 1.4
937SB17
DEPTH | 0.9′ | 2.5′
LITHOLOGY | FILL | FILL
Arsenic | 2 | < 1.2
937GW38
DEPTH | 3.0′ | 6.5′
LITHOLOGY | BE/DU | BE/DU
Arsenic | 1.5 | 2
937GW37
DEPTH | 3.0′ | 6.5′
LITHOLOGY | BE/DU | BE/DU
Arsenic | 1.1 | 5.6
900SS01
DEPTH | 0.0′
LITHOLOGY | FILL
Arsenic | 2.746
931SB01
DEPTH | 2.0′
LITHOLOGY | SERP
Arsenic | 1.360
900SS02
DEPTH | 0.0′
LITHOLOGY | FILL
Arsenic | < 2.500
900SS11
DEPTH
MARINE DRIVE
HAMILTON
Target Range*
935
934
926
917
918
913
893
892
888
889

3

EXPLANATION

- ESAP SEDIMENT SAMPLE
- SURFACE SOIL SAMPLE
- SOIL BORING
- SHALLOW MONITORING WELL WITH SOIL SAMPLES
- DEEP MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STORM DRAIN WITH FLOW DIRECTION
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

OF13SD04	
DEPTH	0.0'
LITHOLOGY	MISC
Arsenic	2.39

OF13SD01	
DEPTH	0.0'
LITHOLOGY	MISC
Arsenic	3

OF13SD03	
DEPTH	0.0'
LITHOLOGY	MISC
Arsenic	3.32

OF13SD05	
DEPTH	0.0'
LITHOLOGY	MISC
Arsenic	3.16

OF13SD02	
DEPTH	0.0'
LITHOLOGY	MISC
Arsenic	3.16

OF12SD04	
DEPTH	0.0'
LITHOLOGY	MISC
Arsenic	4.22

OF12SD05	
DEPTH	0.0'
LITHOLOGY	MISC
Arsenic	4.43

OF12SD03	
DEPTH	0.0'
LITHOLOGY	MISC
Arsenic	4.05

OF12SD02	
DEPTH	0.0'
LITHOLOGY	MISC
Arsenic	4.06

4

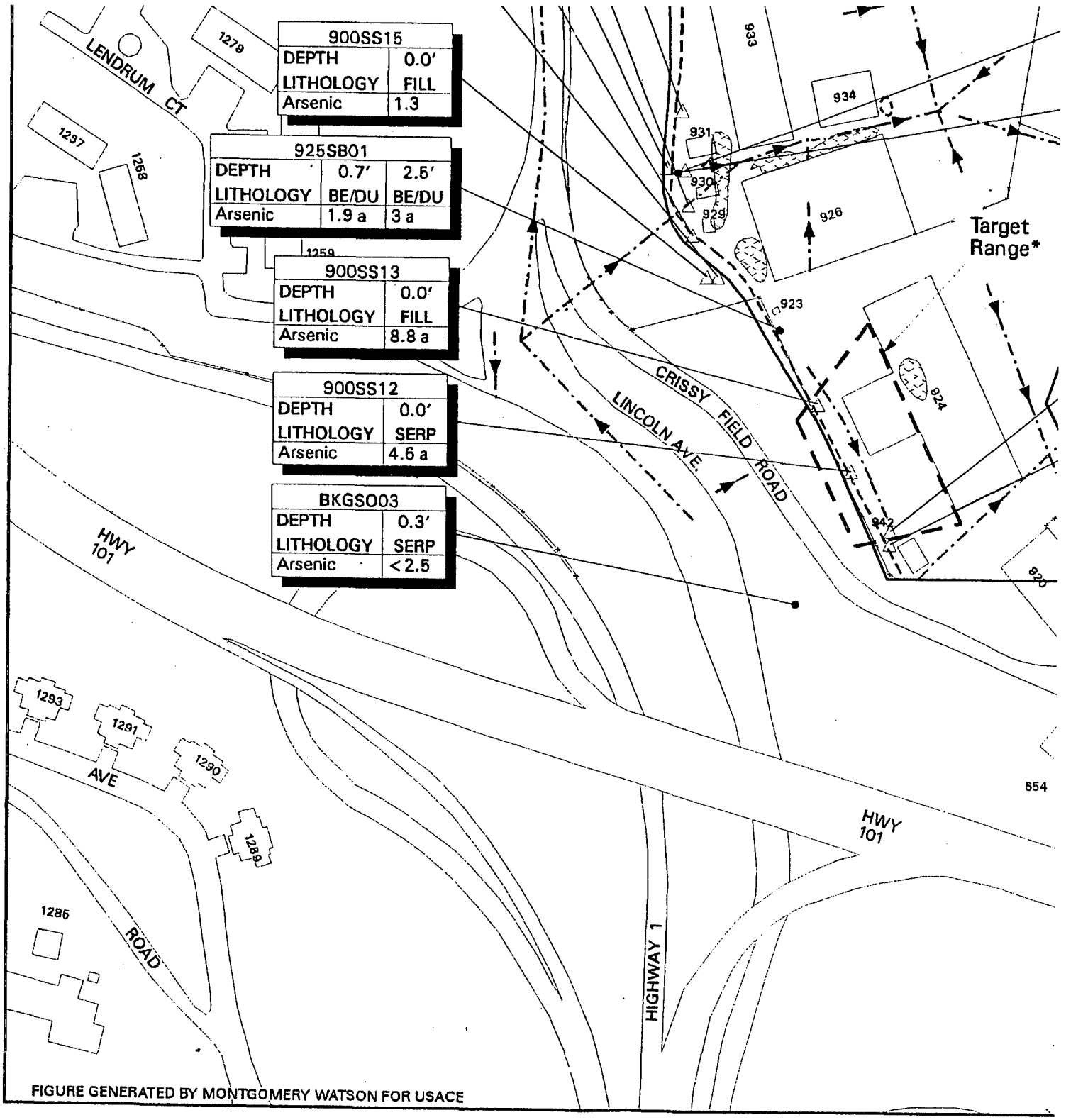


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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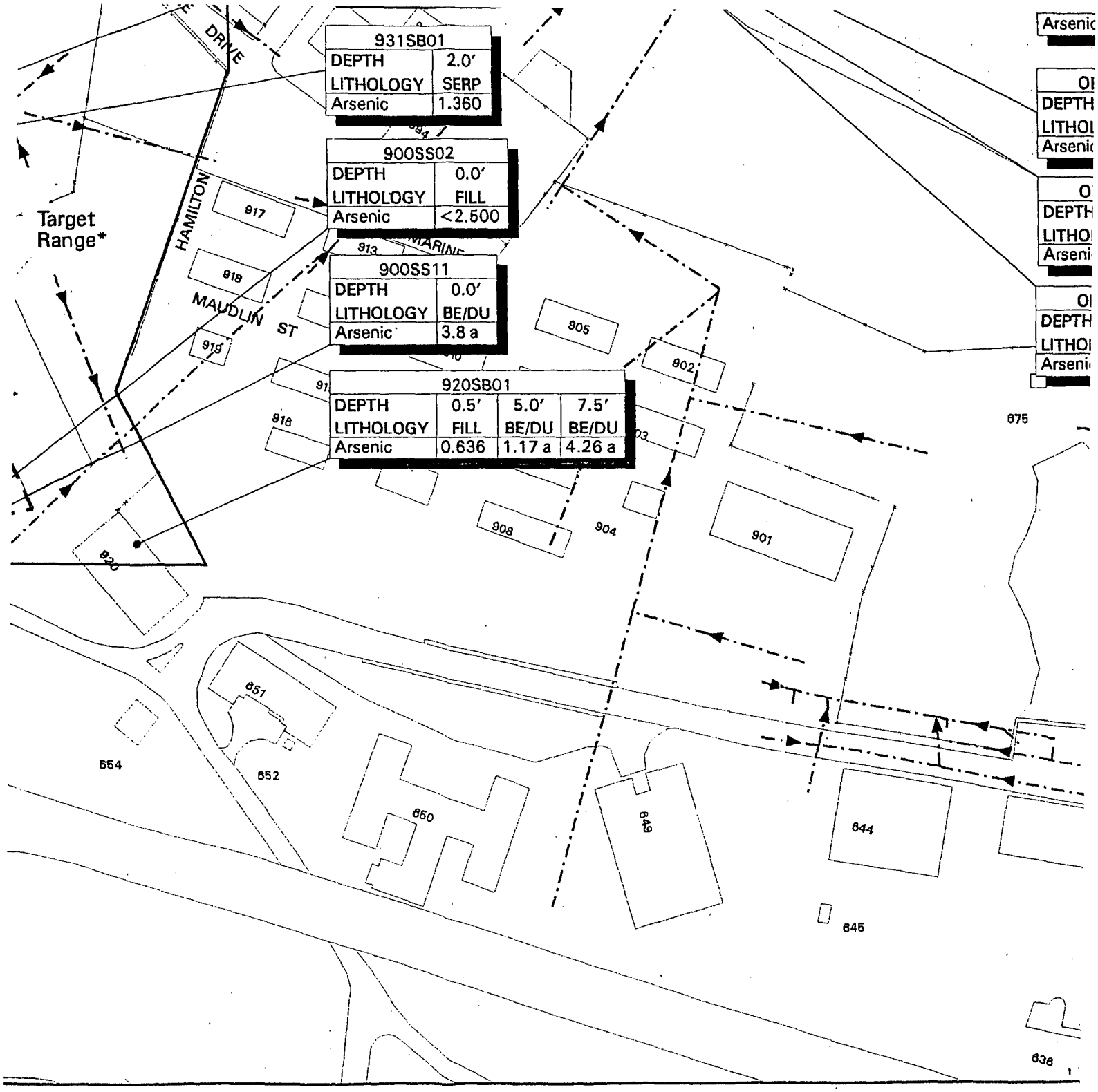
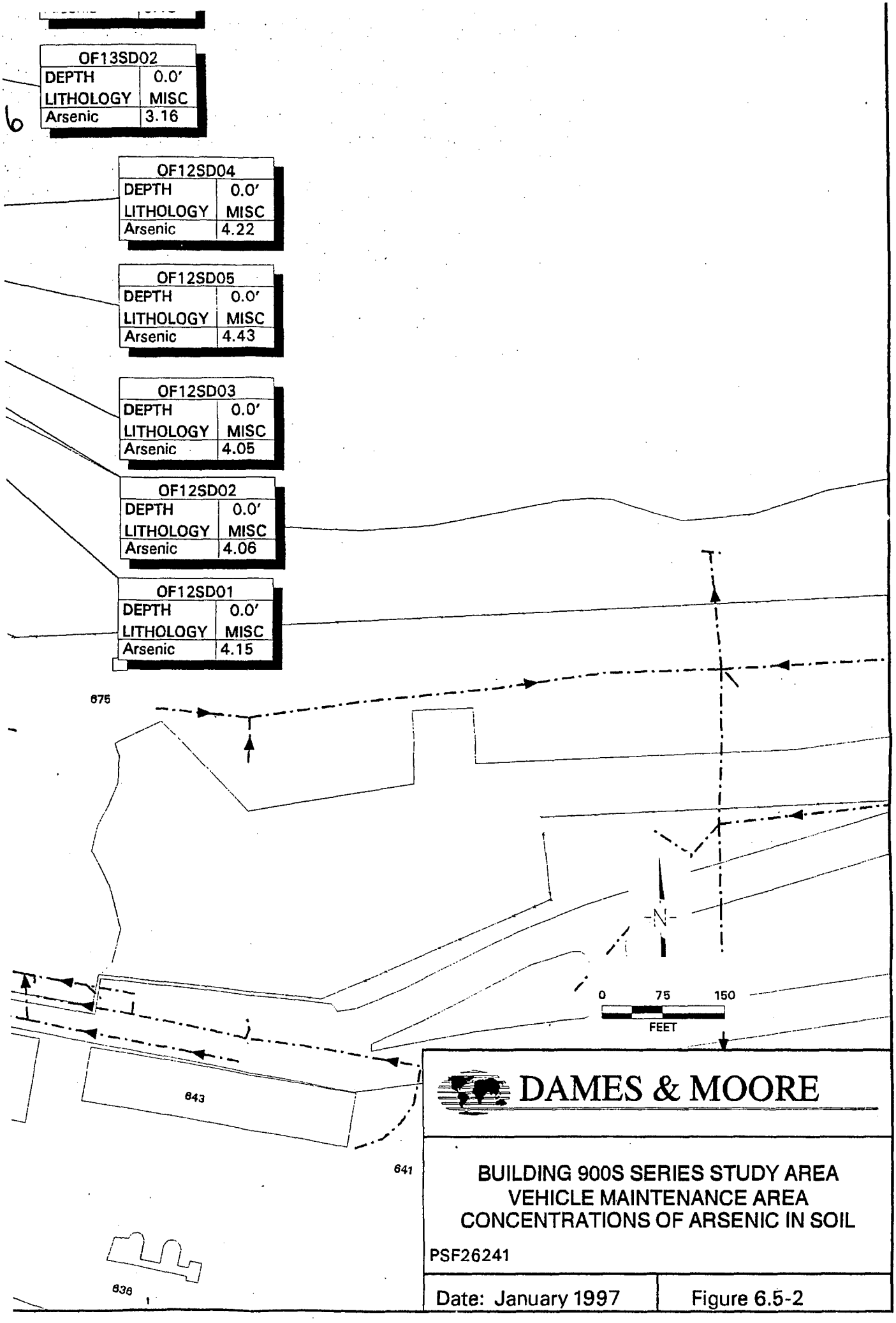

931SB01
DEPTH 2.0'
LITHOLOGY SERP
Arsenic 1.360
900SS02
DEPTH 0.0'
LITHOLOGY FILL
Arsenic <2.500
900SS11
DEPTH 0.0'
LITHOLOGY BE/DU
Arsenic 3.8 a
920SB01
DEPTH 0.5' 5.0' 7.5'
LITHOLOGY FILL BE/DU BE/DU
Arsenic 0.636 1.17 a 4.26 a
Target Range*
HAMILTON DRIVE
MAUDLIN ST
MARINE
917
918
919
916
913
905
902
908
904
901
675
920
651
654
652
650
649
644
645
636



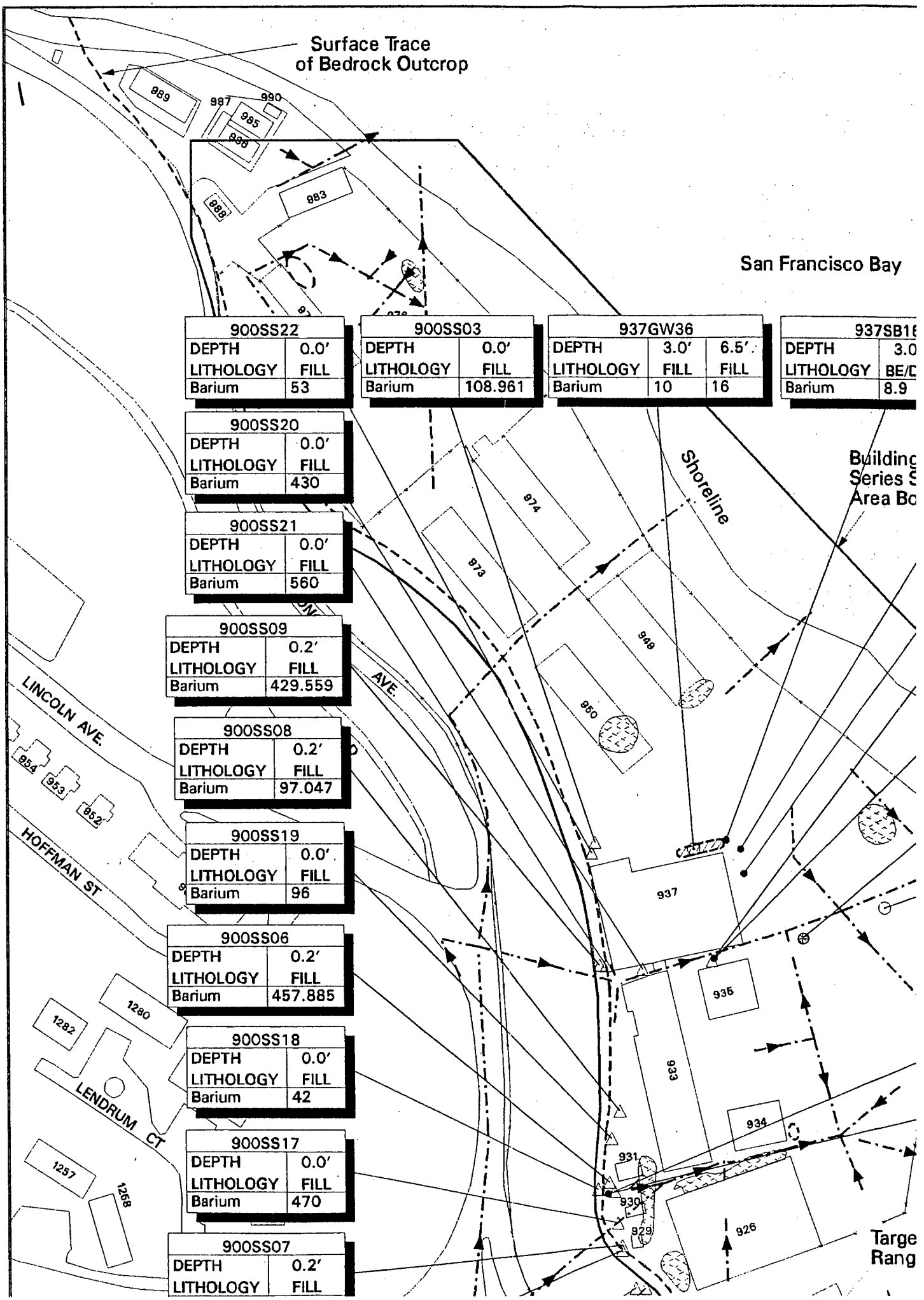
DAMES & MOORE

BUILDING 900S SERIES STUDY AREA
VEHICLE MAINTENANCE AREA
CONCENTRATIONS OF ARSENIC IN SOIL

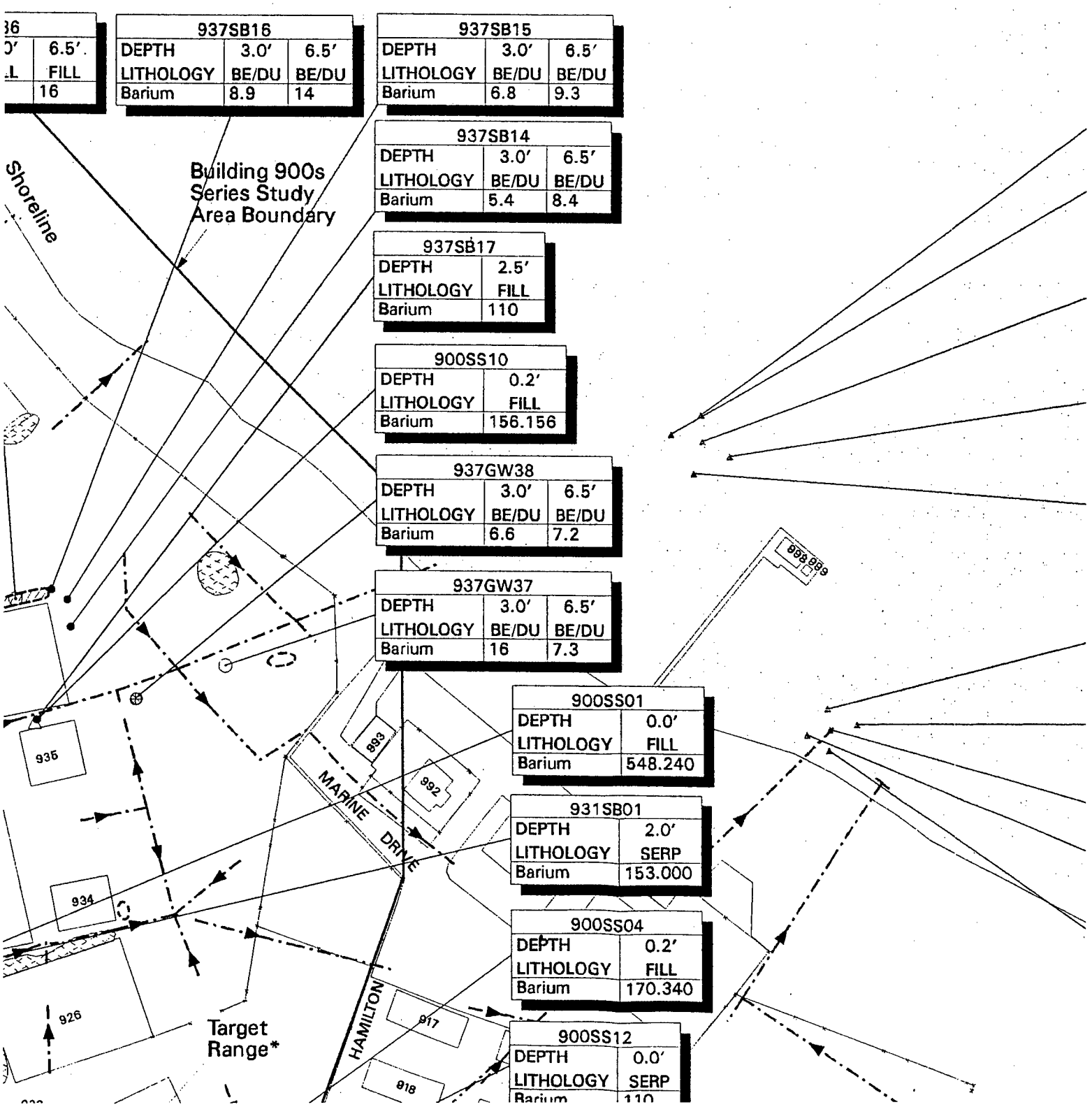
PSF26241

Date: January 1997

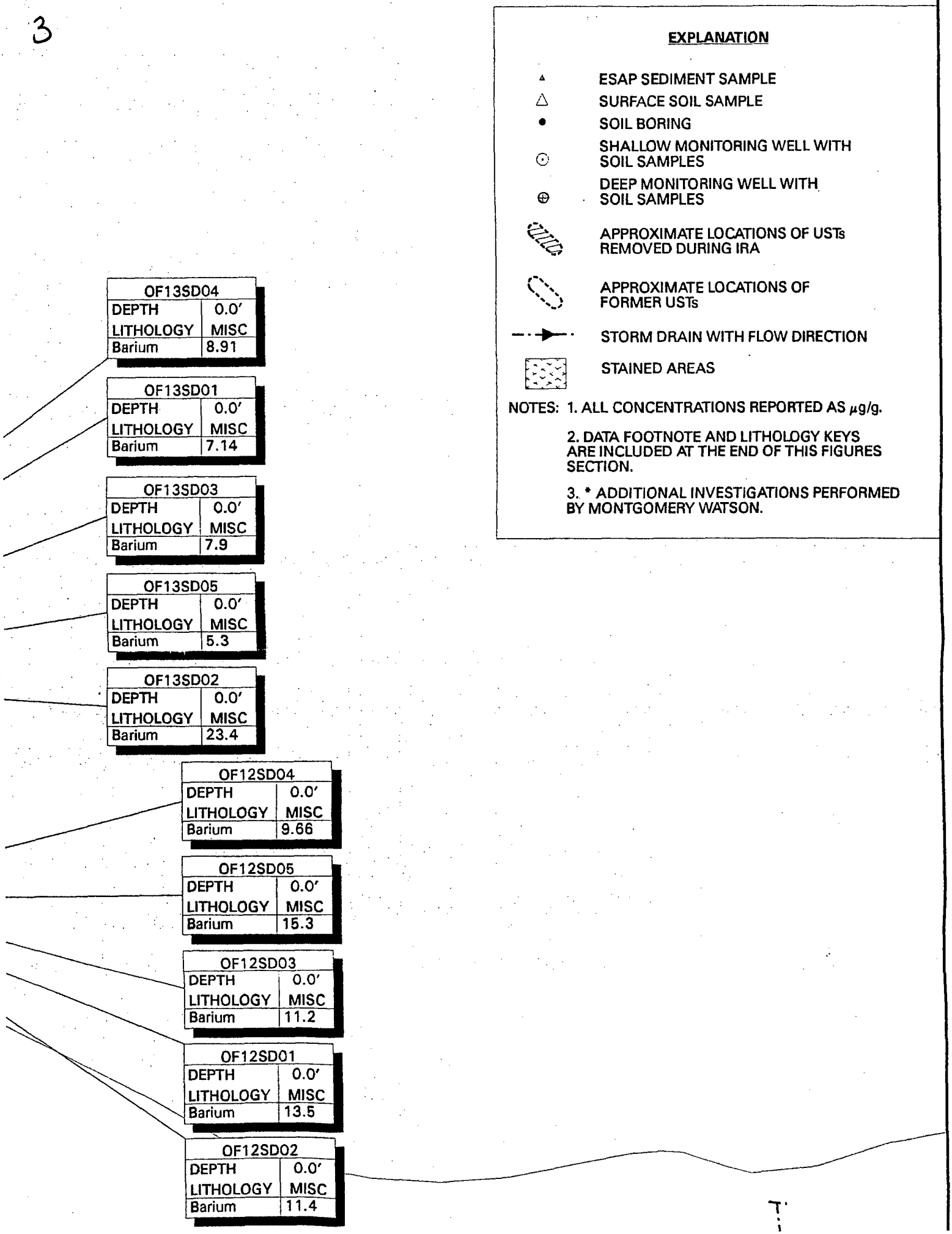
Figure 6.5-2


Surface Trace
of Bedrock Outcrop
San Francisco Bay
Shoreline
LINCOLN AVE.
HOFFMAN ST
LENDRUM CT
AVE.
900SS22
DEPTH 0.0′
LITHOLOGY FILL
Barium 53
900SS03
DEPTH 0.0′
LITHOLOGY FILL
Barium 108.961
937GW36
DEPTH 3.0′ 6.5′
LITHOLOGY FILL FILL
Barium 10 16
900SS20
DEPTH 0.0′
LITHOLOGY FILL
Barium 430
900SS21
DEPTH 0.0′
LITHOLOGY FILL
Barium 560
900SS09
DEPTH 0.2′
LITHOLOGY FILL
Barium 429.559
900SS08
DEPTH 0.2′
LITHOLOGY FILL
Barium 97.047
900SS19
DEPTH 0.0′
LITHOLOGY FILL
Barium 96
900SS06
DEPTH 0.2′
LITHOLOGY FILL
Barium 457.885
900SS18
DEPTH 0.0′
LITHOLOGY FILL
Barium 42
900SS17
DEPTH 0.0′
LITHOLOGY FILL
Barium 470
900SS07
DEPTH 0.2′
LITHOLOGY FILL
989
987
990
985
996
983
989
974
973
949
850
937
935
933
934
931
930
929
926
954
953
952
1280
1282
1257
1268

2


San Francisco Bay
Shoreline
Building 900s Series Study Area Boundary
937SB16
DEPTH 3.0′ 6.5′
LITHOLOGY BE/DU BE/DU
Barium 8.9 14
937SB15
DEPTH 3.0′ 6.5′
LITHOLOGY BE/DU BE/DU
Barium 6.8 9.3
937SB14
DEPTH 3.0′ 6.5′
LITHOLOGY BE/DU BE/DU
Barium 5.4 8.4
937SB17
DEPTH 2.5′
LITHOLOGY FILL
Barium 110
900SS10
DEPTH 0.2′
LITHOLOGY FILL
Barium 156.156
937GW38
DEPTH 3.0′ 6.5′
LITHOLOGY BE/DU BE/DU
Barium 6.6 7.2
937GW37
DEPTH 3.0′ 6.5′
LITHOLOGY BE/DU BE/DU
Barium 16 7.3
900SS01
DEPTH 0.0′
LITHOLOGY FILL
Barium 548.240
931SB01
DEPTH 2.0′
LITHOLOGY SERP
Barium 153.000
900SS04
DEPTH 0.2′
LITHOLOGY FILL
Barium 170.340
900SS12
DEPTH 0.0′
LITHOLOGY SERP
Barium 110
MARINE DRIVE
HAMILTON
Target Range*
935
934
926
993
992
917
918
988
989

3


EXPLANATION
ESAP SEDIMENT SAMPLE
SURFACE SOIL SAMPLE
SOIL BORING
SHALLOW MONITORING WELL WITH SOIL SAMPLES
DEEP MONITORING WELL WITH SOIL SAMPLES
APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
APPROXIMATE LOCATIONS OF FORMER USTs
STORM DRAIN WITH FLOW DIRECTION
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.
OF13SD04
DEPTH 0.0′
LITHOLOGY MISC
Barium 8.91
OF13SD01
DEPTH 0.0′
LITHOLOGY MISC
Barium 7.14
OF13SD03
DEPTH 0.0′
LITHOLOGY MISC
Barium 7.9
OF13SD05
DEPTH 0.0′
LITHOLOGY MISC
Barium 5.3
OF13SD02
DEPTH 0.0′
LITHOLOGY MISC
Barium 23.4
OF12SD04
DEPTH 0.0′
LITHOLOGY MISC
Barium 9.66
OF12SD05
DEPTH 0.0′
LITHOLOGY MISC
Barium 15.3
OF12SD03
DEPTH 0.0′
LITHOLOGY MISC
Barium 11.2
OF12SD01
DEPTH 0.0′
LITHOLOGY MISC
Barium 13.5
OF12SD02
DEPTH 0.0′
LITHOLOGY MISC
Barium 11.4

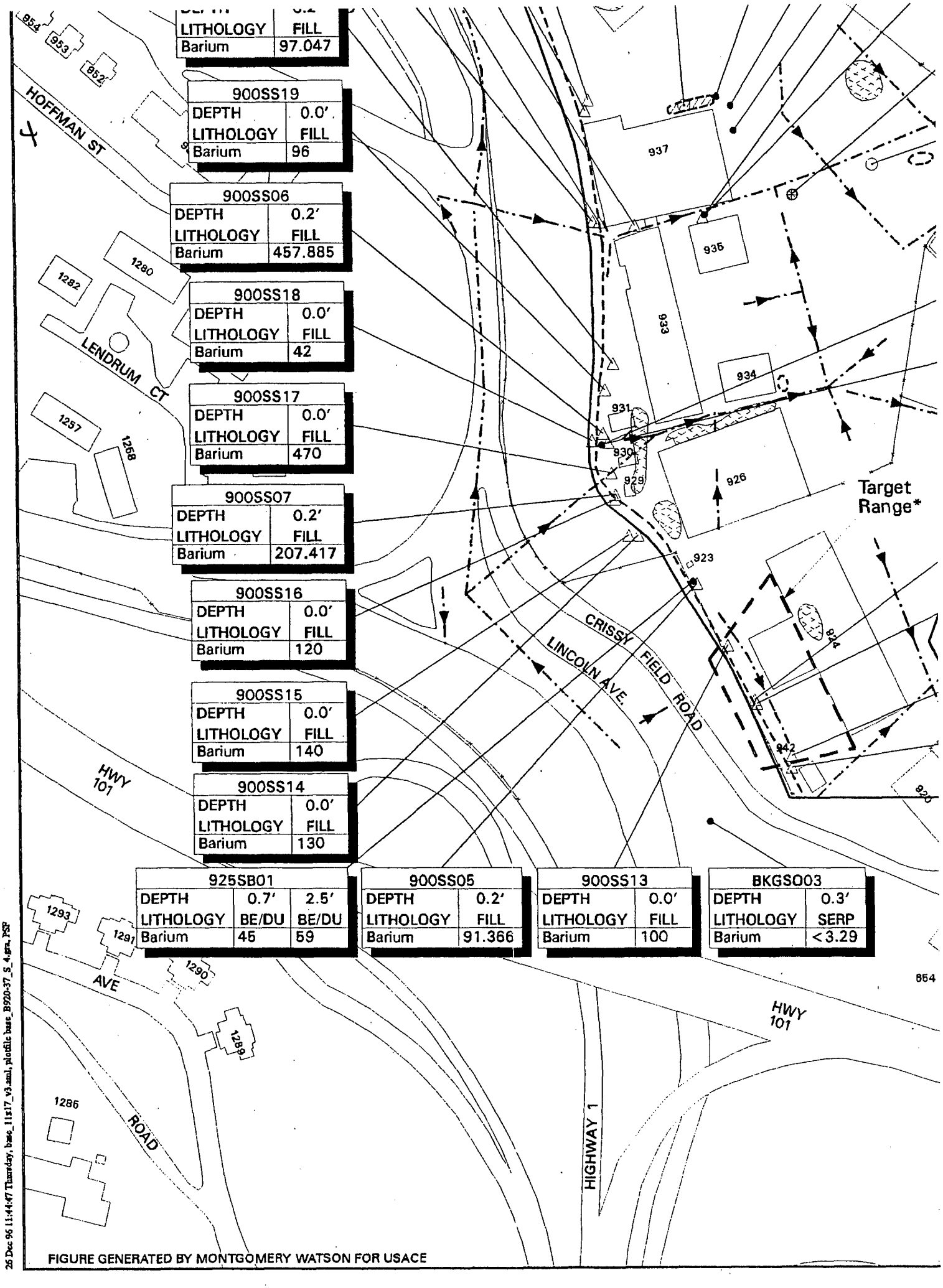
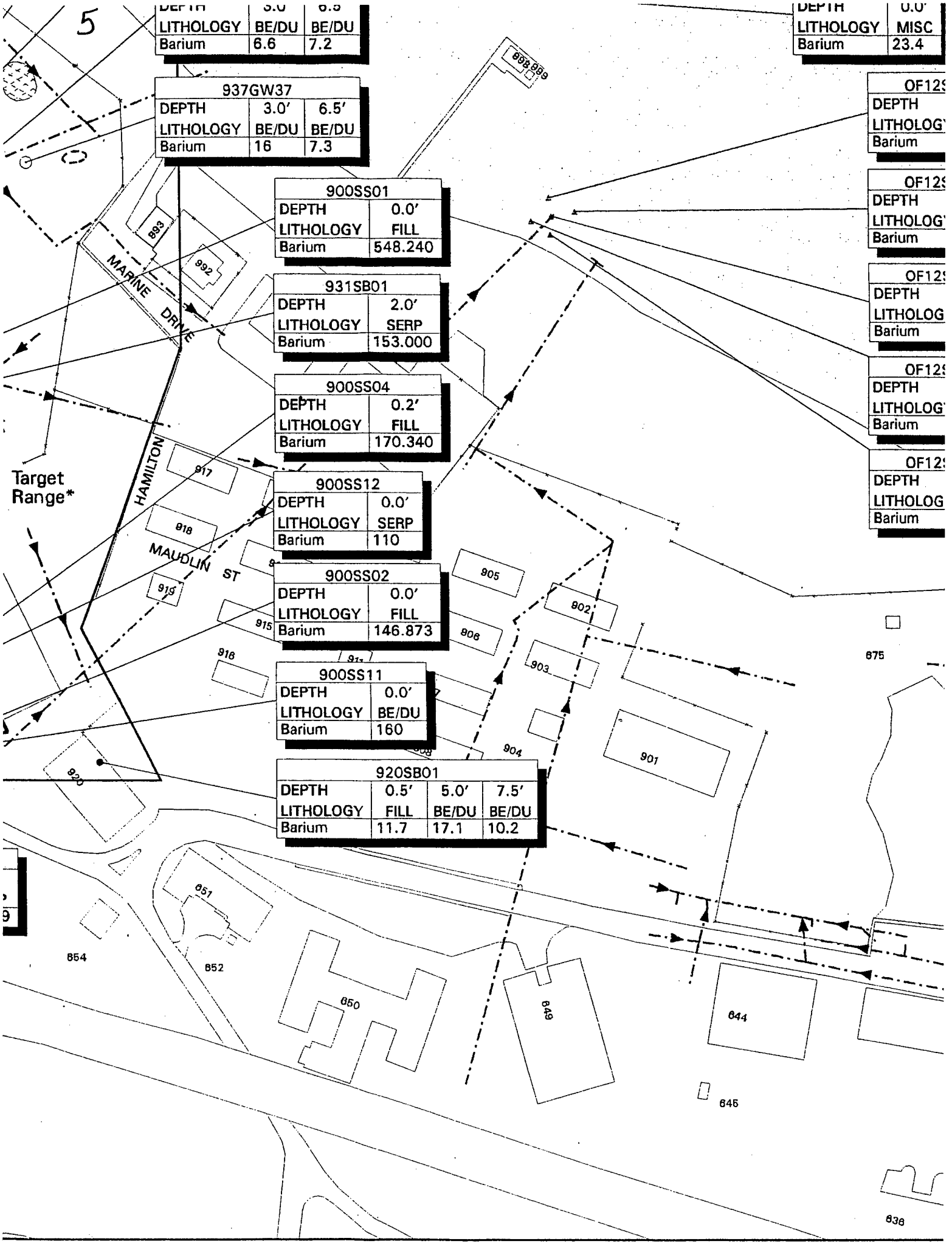


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

26 Dec 96 11:44:47 Thursday, base_11x17_v3.ami, plotfile base_B920-37_S_4.grn, PSF


DEPTH 3.0 6.5
LITHOLOGY BE/DU BE/DU
Barium 6.6 7.2
937GW37
DEPTH 3.0' 6.5'
LITHOLOGY BE/DU BE/DU
Barium 16 7.3
900SS01
DEPTH 0.0'
LITHOLOGY FILL
Barium 548.240
931SB01
DEPTH 2.0'
LITHOLOGY SERP
Barium 153.000
900SS04
DEPTH 0.2'
LITHOLOGY FILL
Barium 170.340
900SS12
DEPTH 0.0'
LITHOLOGY SERP
Barium 110
900SS02
DEPTH 0.0'
LITHOLOGY FILL
Barium 146.873
900SS11
DEPTH 0.0'
LITHOLOGY BE/DU
Barium 160
920SB01
DEPTH 0.5' 5.0' 7.5'
LITHOLOGY FILL BE/DU BE/DU
Barium 11.7 17.1 10.2
DEPTH 0.0'
LITHOLOGY MISC
Barium 23.4
OF12S
DEPTH
LITHOLOG
Barium
Target Range*
HAMILTON
MARINE DRIVE
MAUDLIN ST
893
898
899
992
917
918
919
915
916
905
902
908
903
904
901
920
675
651
654
652
650
649
644
645
638

LITHOLOGY	MISC
Barium	23.4

6

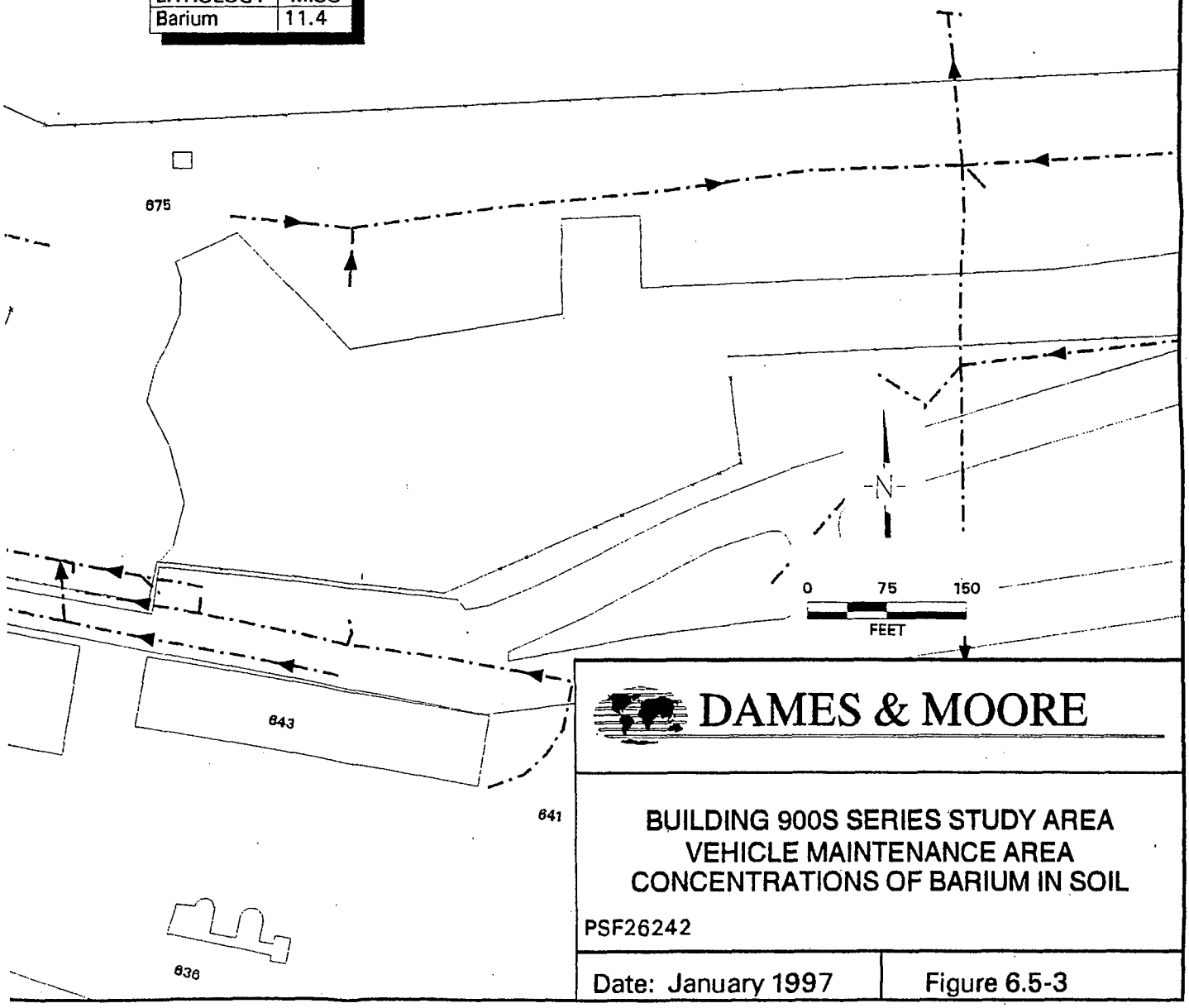
OF12SD04	
DEPTH	0.0′
LITHOLOGY	MISC
Barium	9.66

OF12SD05	
DEPTH	0.0′
LITHOLOGY	MISC
Barium	15.3

OF12SD03	
DEPTH	0.0′
LITHOLOGY	MISC
Barium	11.2

OF12SD01	
DEPTH	0.0′
LITHOLOGY	MISC
Barium	13.5

OF12SD02	
DEPTH	0.0′
LITHOLOGY	MISC
Barium	11.4

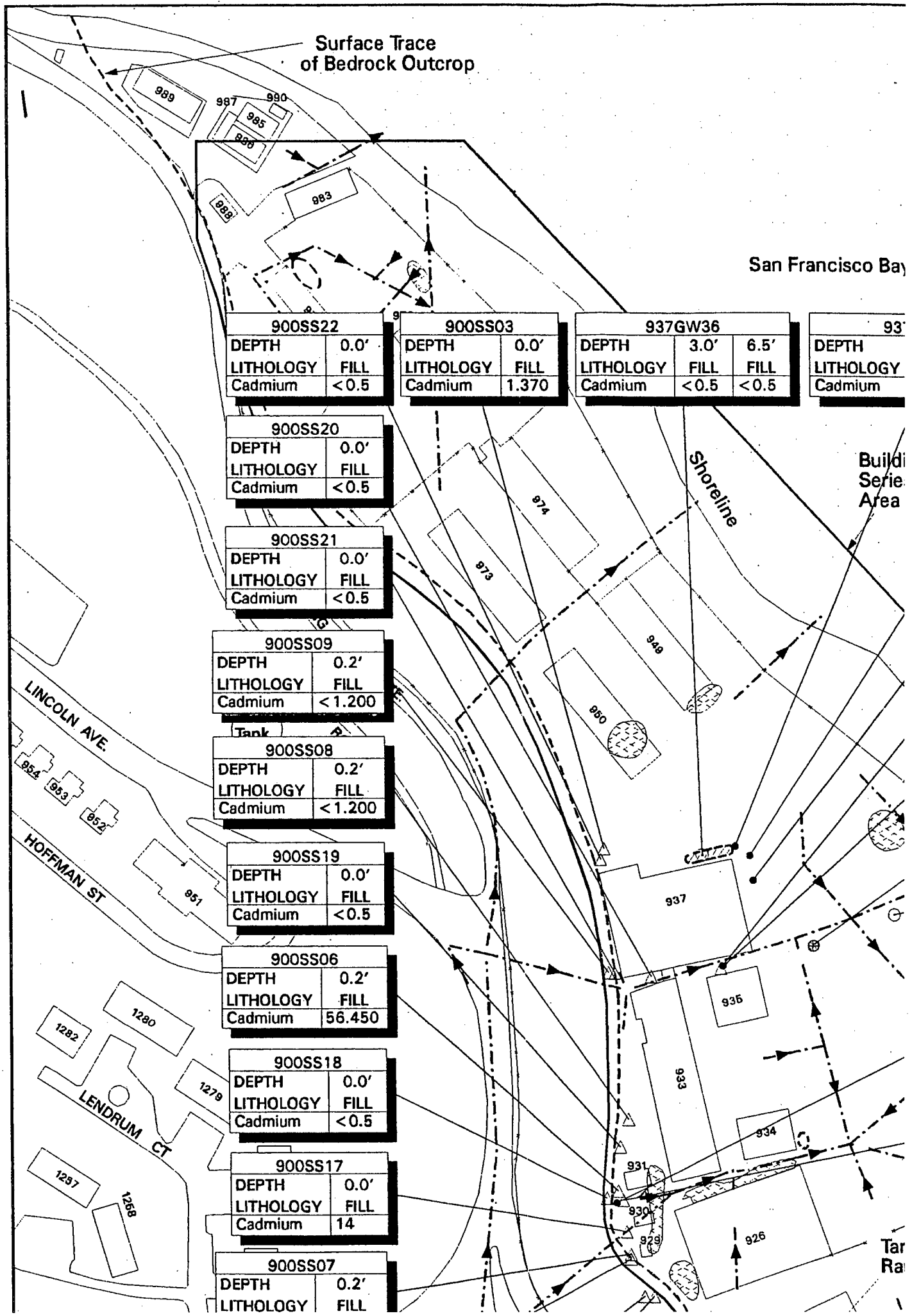


DAMES & MOORE

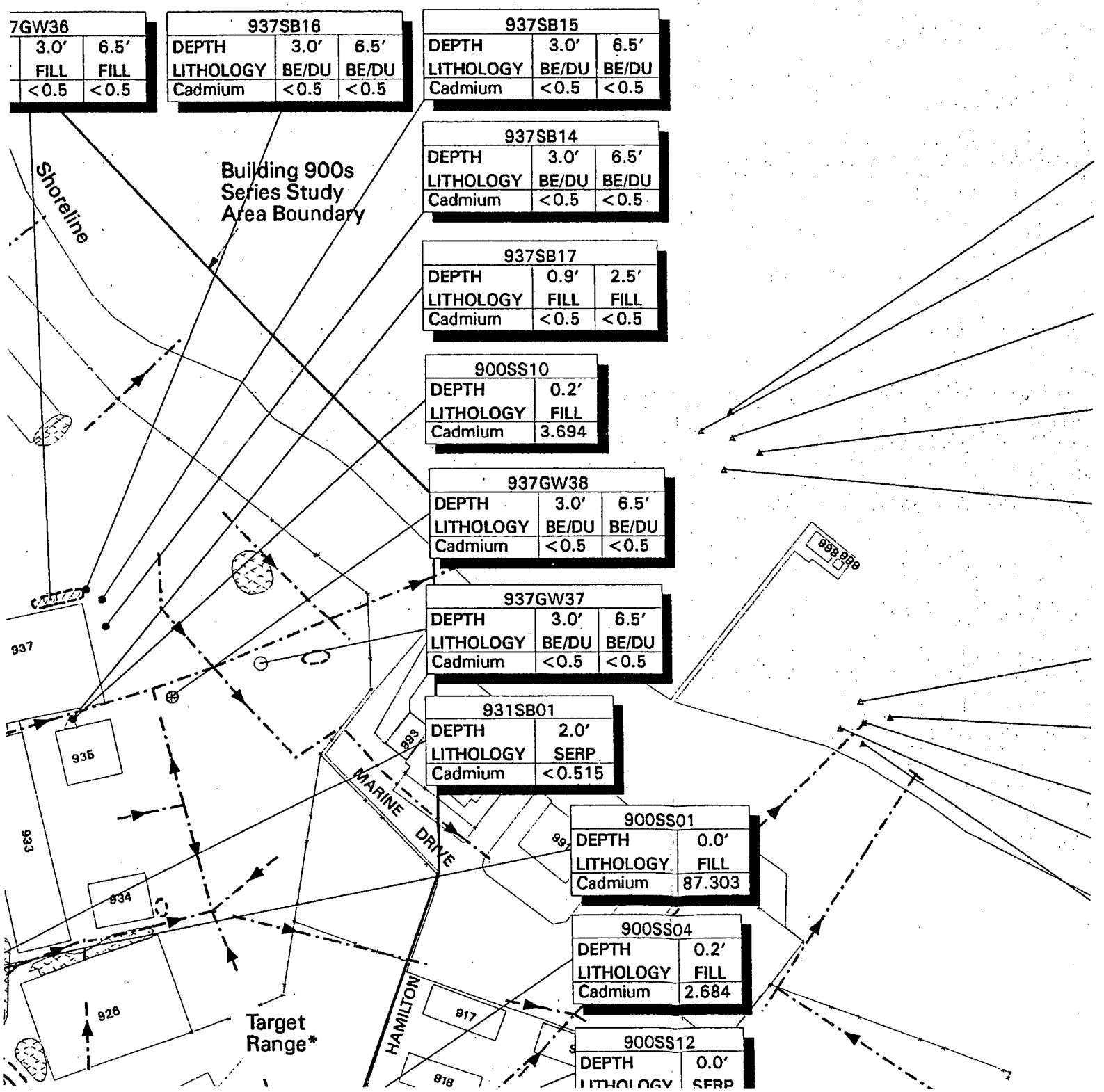
BUILDING 900S SERIES STUDY AREA
VEHICLE MAINTENANCE AREA
CONCENTRATIONS OF BARIUM IN SOIL

PSF26242

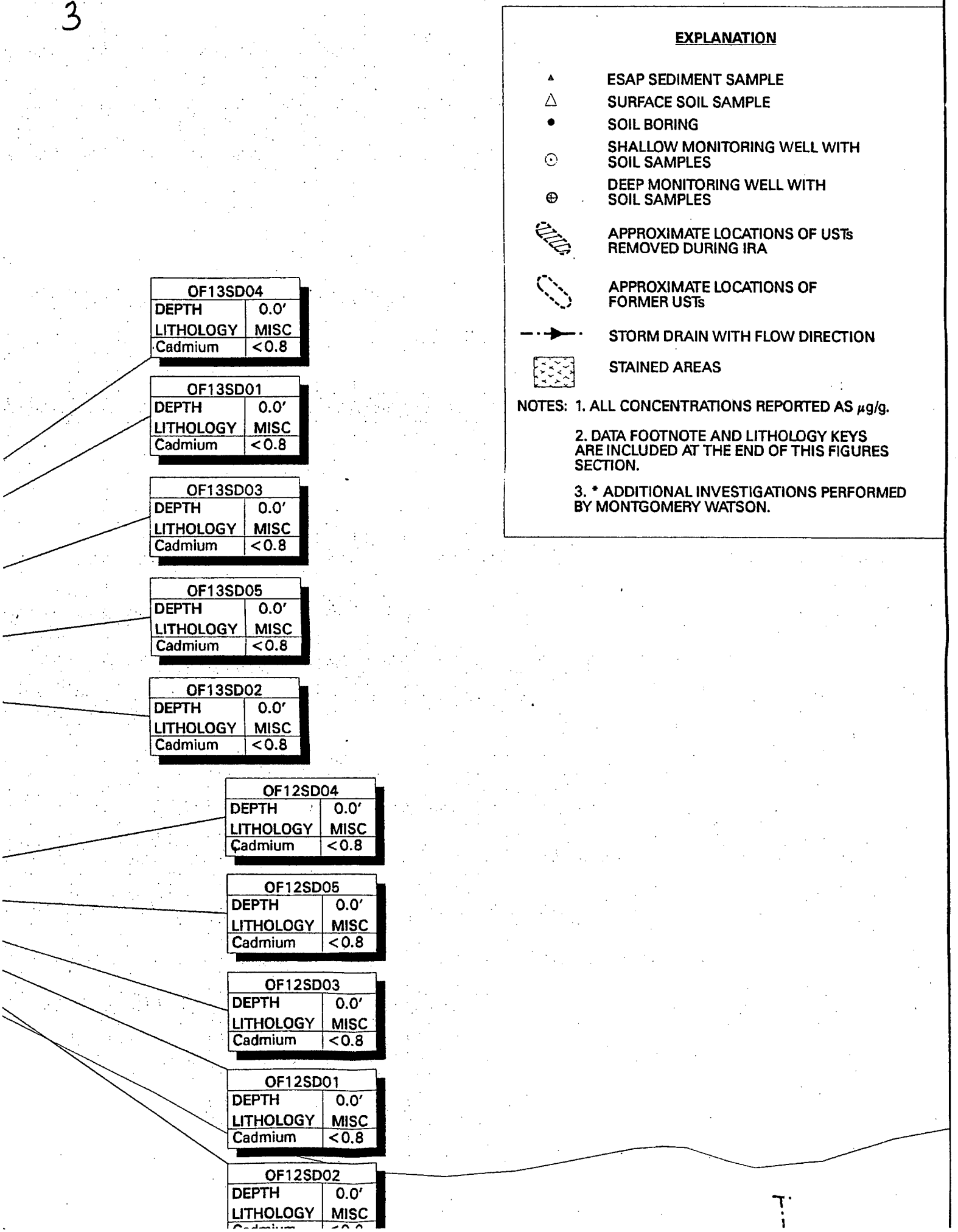
Date: January 1997 | Figure 6.5-3


Surface Trace
of Bedrock Outcrop
San Francisco Bay
Shoreline
LINCOLN AVE.
HOFFMAN ST
LENDRUM CT
900SS22
DEPTH 0.0′
LITHOLOGY FILL
Cadmium <0.5
900SS03
DEPTH 0.0′
LITHOLOGY FILL
Cadmium 1.370
937GW36
DEPTH 3.0′ 6.5′
LITHOLOGY FILL FILL
Cadmium <0.5 <0.5
900SS20
DEPTH 0.0′
LITHOLOGY FILL
Cadmium <0.5
900SS21
DEPTH 0.0′
LITHOLOGY FILL
Cadmium <0.5
900SS09
DEPTH 0.2′
LITHOLOGY FILL
Cadmium <1.200
900SS08
DEPTH 0.2′
LITHOLOGY FILL
Cadmium <1.200
900SS19
DEPTH 0.0′
LITHOLOGY FILL
Cadmium <0.5
900SS06
DEPTH 0.2′
LITHOLOGY FILL
Cadmium 56.450
900SS18
DEPTH 0.0′
LITHOLOGY FILL
Cadmium <0.5
900SS17
DEPTH 0.0′
LITHOLOGY FILL
Cadmium 14
900SS07
DEPTH 0.2′
LITHOLOGY FILL

2


San Francisco Bay
7GW36
3.0′ FILL <0.5
6.5′ FILL <0.5
937SB16
DEPTH 3.0′ 6.5′
LITHOLOGY BE/DU BE/DU
Cadmium <0.5 <0.5
937SB15
DEPTH 3.0′ 6.5′
LITHOLOGY BE/DU BE/DU
Cadmium <0.5 <0.5
937SB14
DEPTH 3.0′ 6.5′
LITHOLOGY BE/DU BE/DU
Cadmium <0.5 <0.5
937SB17
DEPTH 0.9′ 2.5′
LITHOLOGY FILL FILL
Cadmium <0.5 <0.5
900SS10
DEPTH 0.2′
LITHOLOGY FILL
Cadmium 3.694
937GW38
DEPTH 3.0′ 6.5′
LITHOLOGY BE/DU BE/DU
Cadmium <0.5 <0.5
937GW37
DEPTH 3.0′ 6.5′
LITHOLOGY BE/DU BE/DU
Cadmium <0.5 <0.5
931SB01
DEPTH 2.0′
LITHOLOGY SERP
Cadmium <0.515
900SS01
DEPTH 0.0′
LITHOLOGY FILL
Cadmium 87.303
900SS04
DEPTH 0.2′
LITHOLOGY FILL
Cadmium 2.684
900SS12
DEPTH 0.0′
Shoreline
Building 900s Series Study Area Boundary
937
935
933
934
926
917
918
999
MARINE DRIVE
HAMILTON
Target Range*

3


EXPLANATION
ESAP SEDIMENT SAMPLE
SURFACE SOIL SAMPLE
SOIL BORING
SHALLOW MONITORING WELL WITH SOIL SAMPLES
DEEP MONITORING WELL WITH SOIL SAMPLES
APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
APPROXIMATE LOCATIONS OF FORMER USTs
STORM DRAIN WITH FLOW DIRECTION
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.
OF13SD04
DEPTH 0.0′
LITHOLOGY MISC
Cadmium <0.8
OF13SD01
DEPTH 0.0′
LITHOLOGY MISC
Cadmium <0.8
OF13SD03
DEPTH 0.0′
LITHOLOGY MISC
Cadmium <0.8
OF13SD05
DEPTH 0.0′
LITHOLOGY MISC
Cadmium <0.8
OF13SD02
DEPTH 0.0′
LITHOLOGY MISC
Cadmium <0.8
OF12SD04
DEPTH 0.0′
LITHOLOGY MISC
Cadmium <0.8
OF12SD05
DEPTH 0.0′
LITHOLOGY MISC
Cadmium <0.8
OF12SD03
DEPTH 0.0′
LITHOLOGY MISC
Cadmium <0.8
OF12SD01
DEPTH 0.0′
LITHOLOGY MISC
Cadmium <0.8
OF12SD02
DEPTH 0.0′
LITHOLOGY MISC

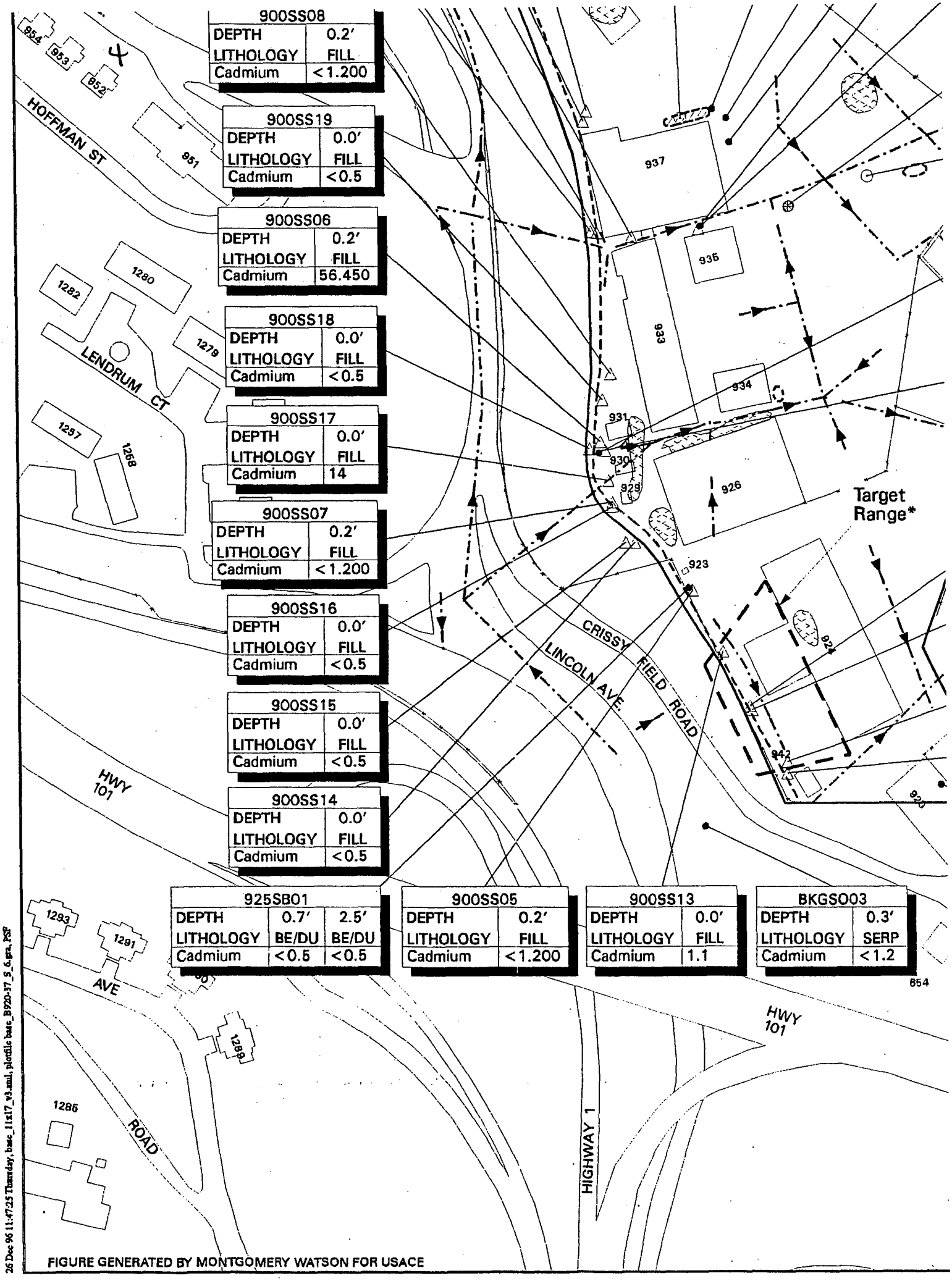
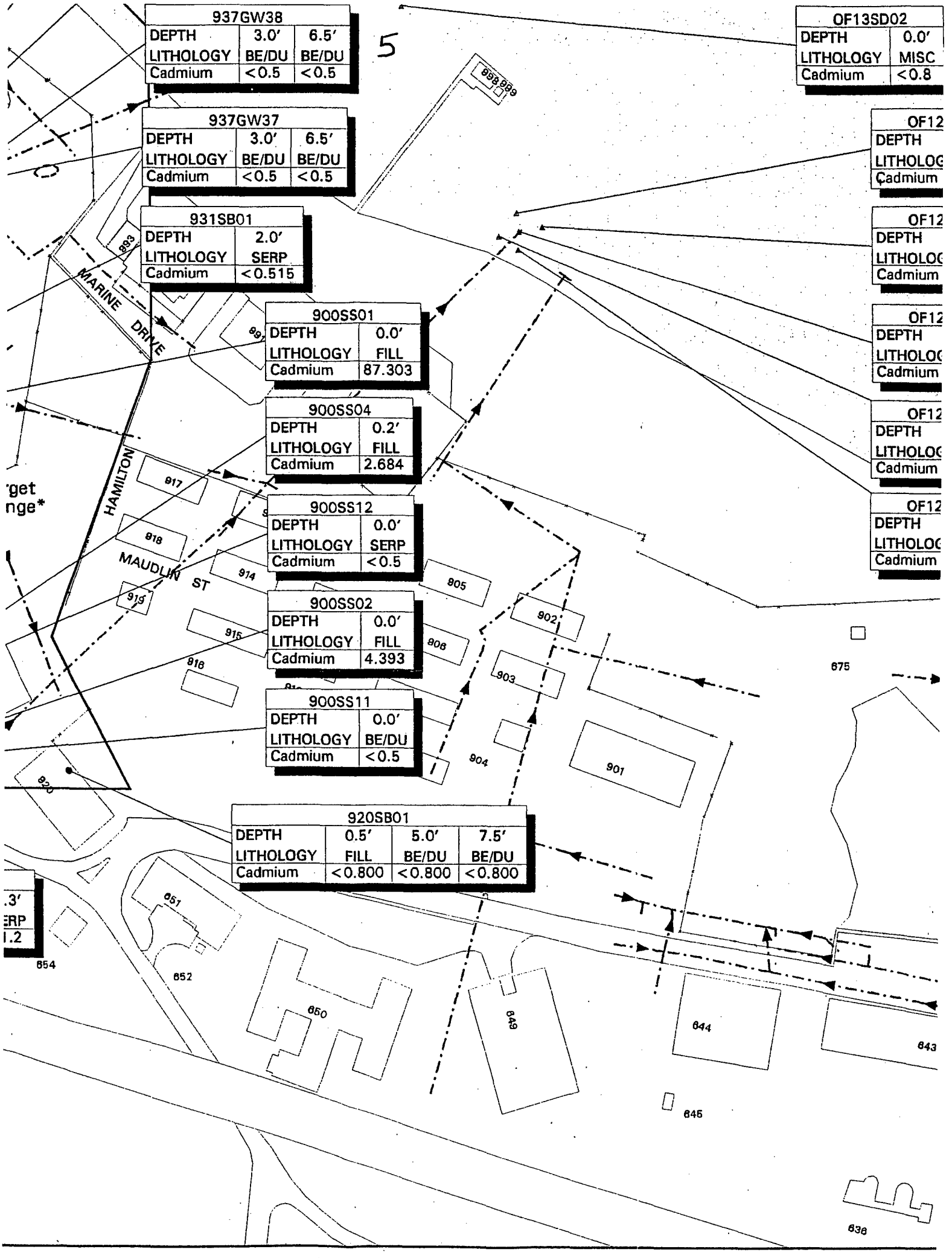
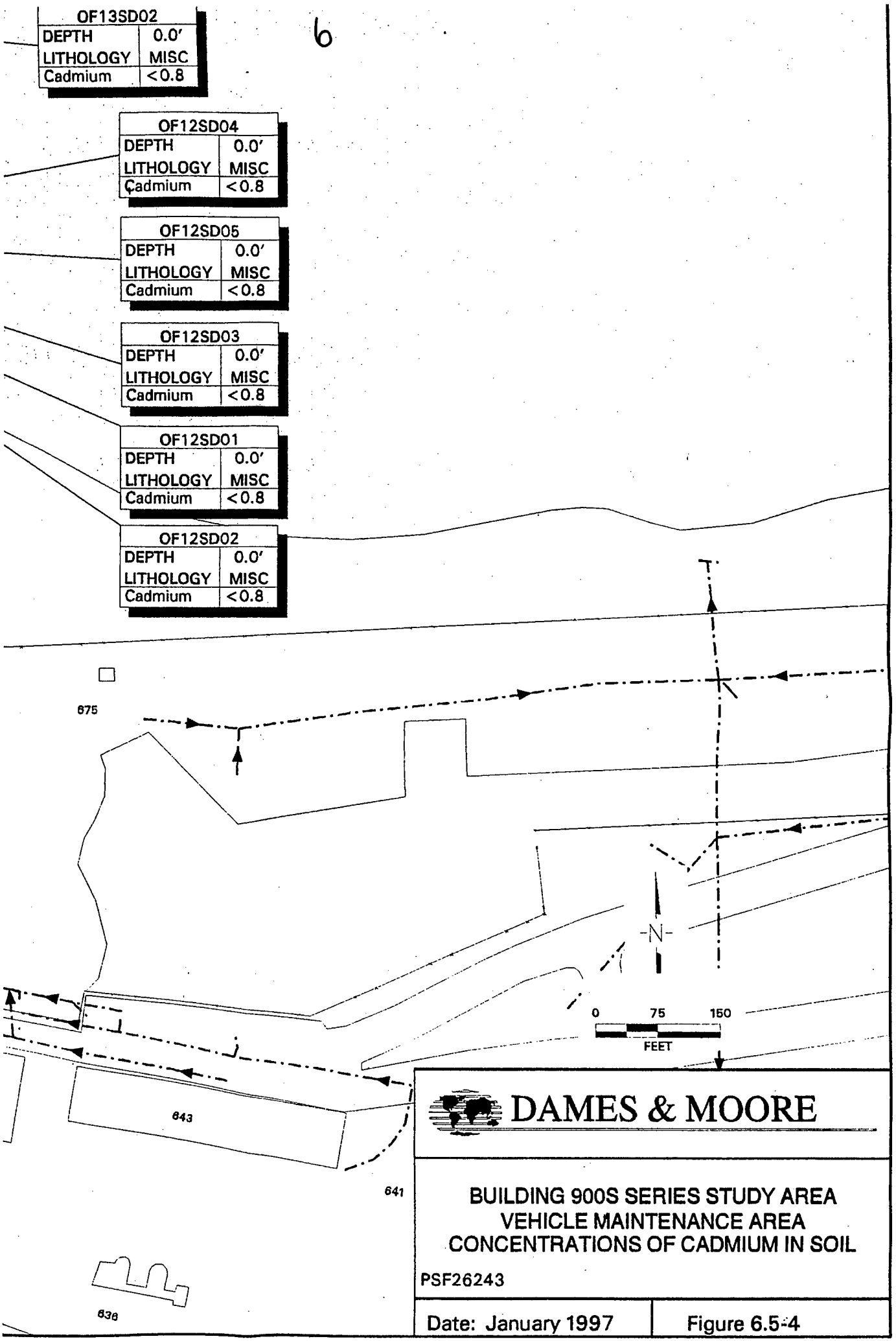


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

26 Dec 96 11:47:25 Thursday, base_11x17_v3.aml, plotfile base_B920-37_S_6.gra, PSF


937GW38
DEPTH 3.0′ 6.5′
LITHOLOGY BE/DU BE/DU
Cadmium <0.5 <0.5
5
OF13SD02
DEPTH 0.0′
LITHOLOGY MISC
Cadmium <0.8
937GW37
DEPTH 3.0′ 6.5′
LITHOLOGY BE/DU BE/DU
Cadmium <0.5 <0.5
OF12
DEPTH
LITHOLOG
Cadmium
931SB01
DEPTH 2.0′
LITHOLOGY SERP
Cadmium <0.515
OF12
DEPTH
LITHOLOG
Cadmium
MARINE DRIVE
900SS01
DEPTH 0.0′
LITHOLOGY FILL
Cadmium 87.303
OF12
DEPTH
LITHOLOG
Cadmium
900SS04
DEPTH 0.2′
LITHOLOGY FILL
Cadmium 2.684
OF12
DEPTH
LITHOLOG
Cadmium
HAMILTON
'get
nge*
900SS12
DEPTH 0.0′
LITHOLOGY SERP
Cadmium <0.5
OF12
DEPTH
LITHOLOG
Cadmium
MAUDLIN ST
900SS02
DEPTH 0.0′
LITHOLOGY FILL
Cadmium 4.393
900SS11
DEPTH 0.0′
LITHOLOGY BE/DU
Cadmium <0.5
920SB01
DEPTH 0.5′ 5.0′ 7.5′
LITHOLOGY FILL BE/DU BE/DU
Cadmium <0.800 <0.800 <0.800
.3′
ERP
1.2
917
918
914
915
916
905
902
906
903
904
901
675
920
651
652
654
650
649
644
643
645
636



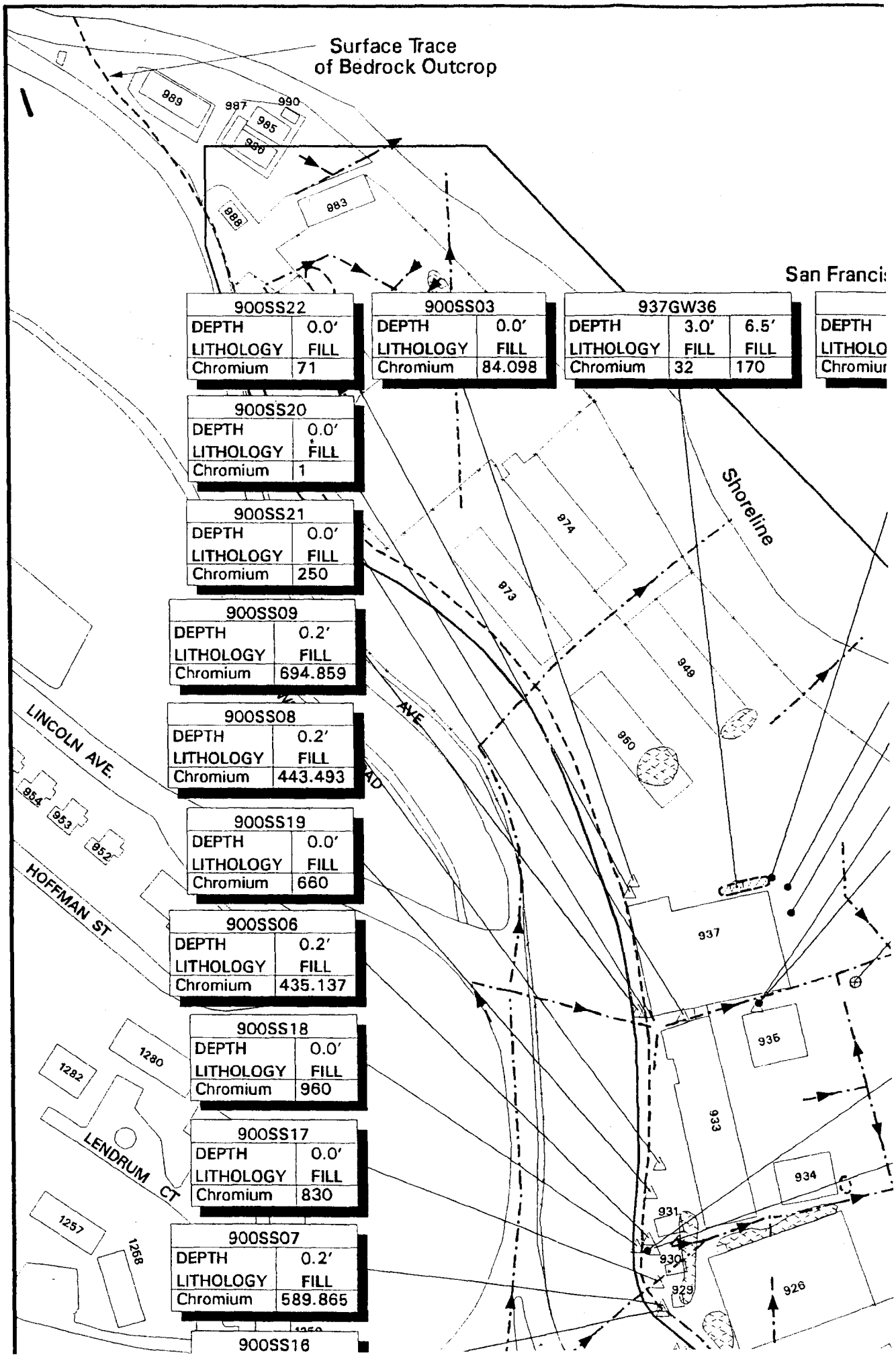
DAMES & MOORE

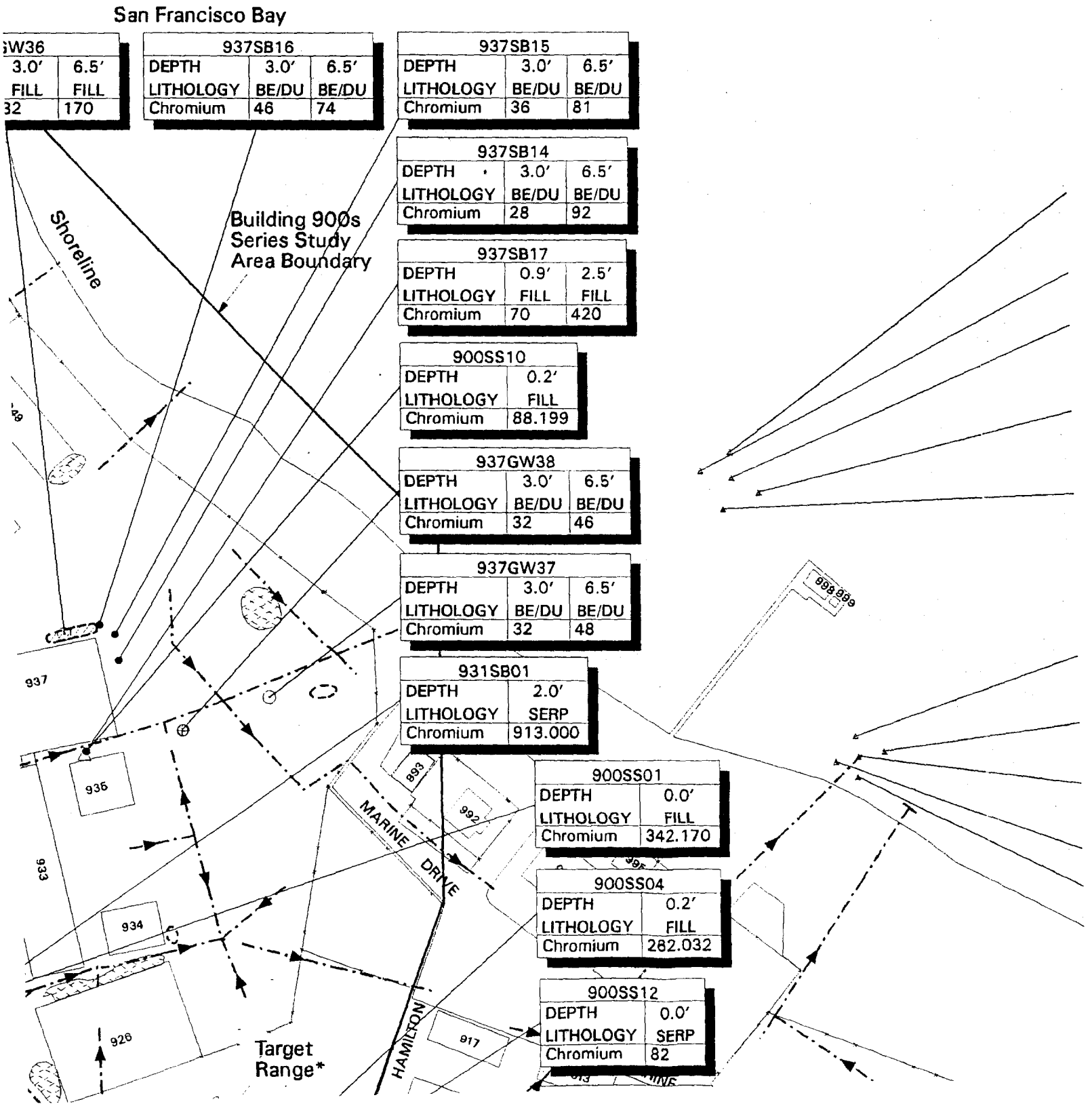
BUILDING 900S SERIES STUDY AREA
VEHICLE MAINTENANCE AREA
CONCENTRATIONS OF CADMIUM IN SOIL

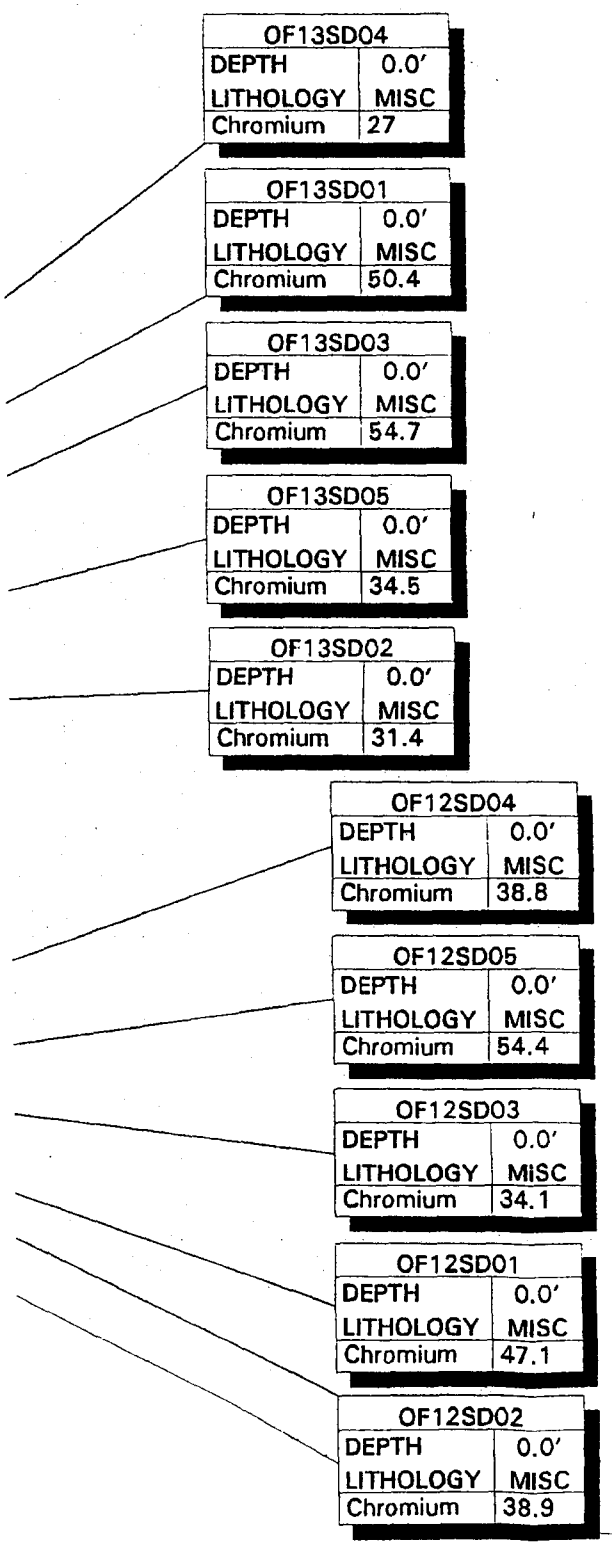
PSF26243

Date: January 1997

Figure 6.5-4


Surface Trace
of Bedrock Outcrop
San Francis
900SS22
DEPTH 0.0′
LITHOLOGY FILL
Chromium 71
900SS03
DEPTH 0.0′
LITHOLOGY FILL
Chromium 84.098
937GW36
DEPTH 3.0′ 6.5′
LITHOLOGY FILL FILL
Chromium 32 170
900SS20
DEPTH 0.0′
LITHOLOGY FILL
Chromium 1
900SS21
DEPTH 0.0′
LITHOLOGY FILL
Chromium 250
900SS09
DEPTH 0.2′
LITHOLOGY FILL
Chromium 694.859
900SS08
DEPTH 0.2′
LITHOLOGY FILL
Chromium 443.493
900SS19
DEPTH 0.0′
LITHOLOGY FILL
Chromium 660
900SS06
DEPTH 0.2′
LITHOLOGY FILL
Chromium 435.137
900SS18
DEPTH 0.0′
LITHOLOGY FILL
Chromium 960
900SS17
DEPTH 0.0′
LITHOLOGY FILL
Chromium 830
900SS07
DEPTH 0.2′
LITHOLOGY FILL
Chromium 589.865
900SS16
Shoreline
LINCOLN AVE.
HOFFMAN ST
LENDRUM CT
989
987
990
985
986
988
983
974
973
949
960
954
953
952
937
936
933
934
931
930
929
926
1280
1282
1257
1268


San Francisco Bay
GW36
3.0′ FILL
32
6.5′ FILL
170
937SB16
DEPTH
LITHOLOGY
Chromium
3.0′ BE/DU
46
6.5′ BE/DU
74
937SB15
DEPTH
LITHOLOGY
Chromium
3.0′ BE/DU
36
6.5′ BE/DU
81
937SB14
DEPTH
LITHOLOGY
Chromium
3.0′ BE/DU
28
6.5′ BE/DU
92
937SB17
DEPTH
LITHOLOGY
Chromium
0.9′ FILL
70
2.5′ FILL
420
900SS10
DEPTH
LITHOLOGY
Chromium
0.2′ FILL
88.199
937GW38
DEPTH
LITHOLOGY
Chromium
3.0′ BE/DU
32
6.5′ BE/DU
46
937GW37
DEPTH
LITHOLOGY
Chromium
3.0′ BE/DU
32
6.5′ BE/DU
48
931SB01
DEPTH
LITHOLOGY
Chromium
2.0′ SERP
913.000
900SS01
DEPTH
LITHOLOGY
Chromium
0.0′ FILL
342.170
900SS04
DEPTH
LITHOLOGY
Chromium
0.2′ FILL
282.032
900SS12
DEPTH
LITHOLOGY
Chromium
0.0′ SERP
82
Shoreline
Building 900s Series Study Area Boundary
937
935
933
934
926
893
992
917
998.999
MARINE DRIVE
HAMILTON
Target Range*



EXPLANATION

- ESAP SEDIMENT SAMPLE
- SURFACE SOIL SAMPLE
- SOIL BORING
- SHALLOW MONITORING WELL WITH SOIL SAMPLES
- DEEP MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STORM DRAIN WITH FLOW DIRECTION
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

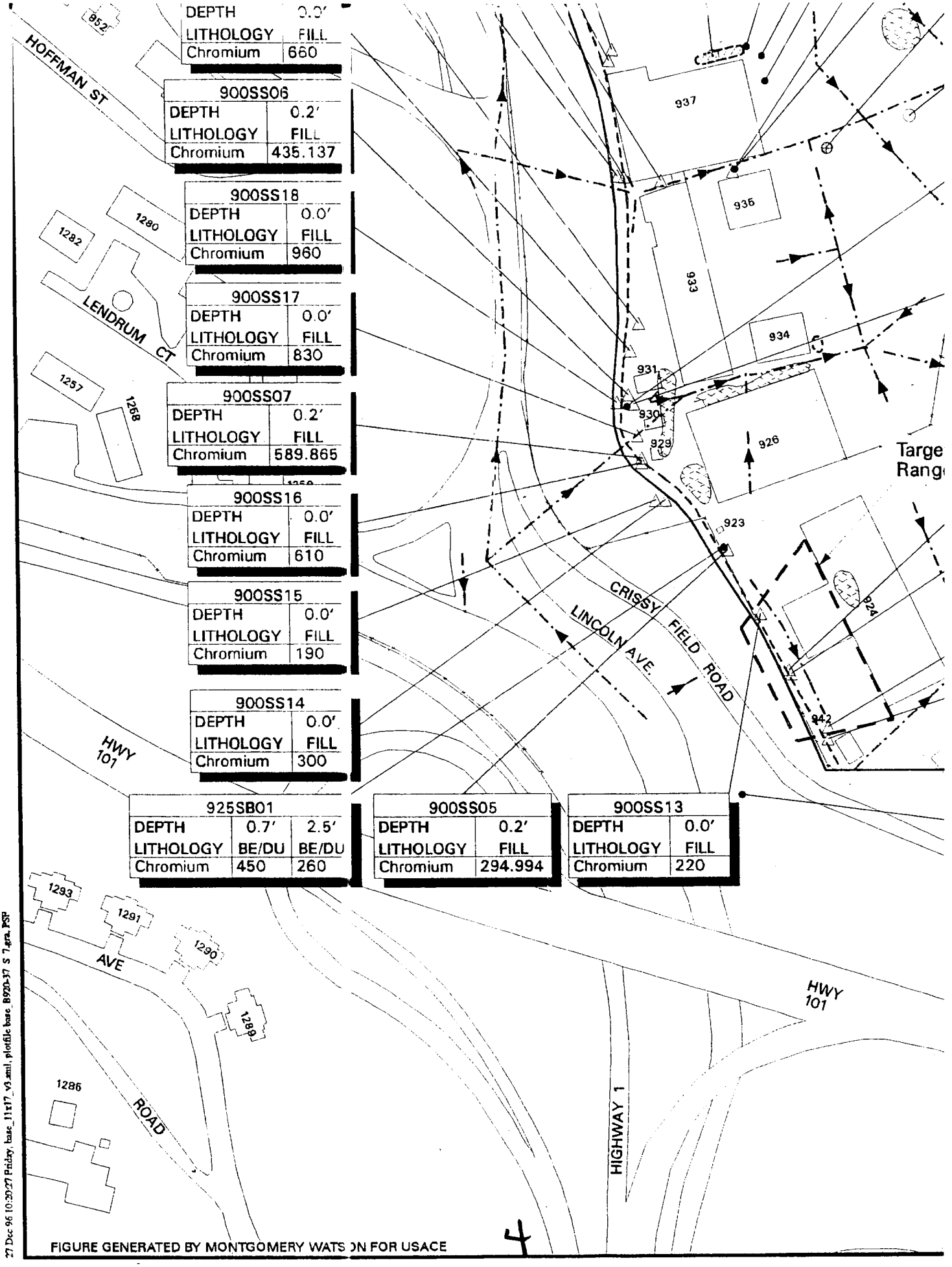


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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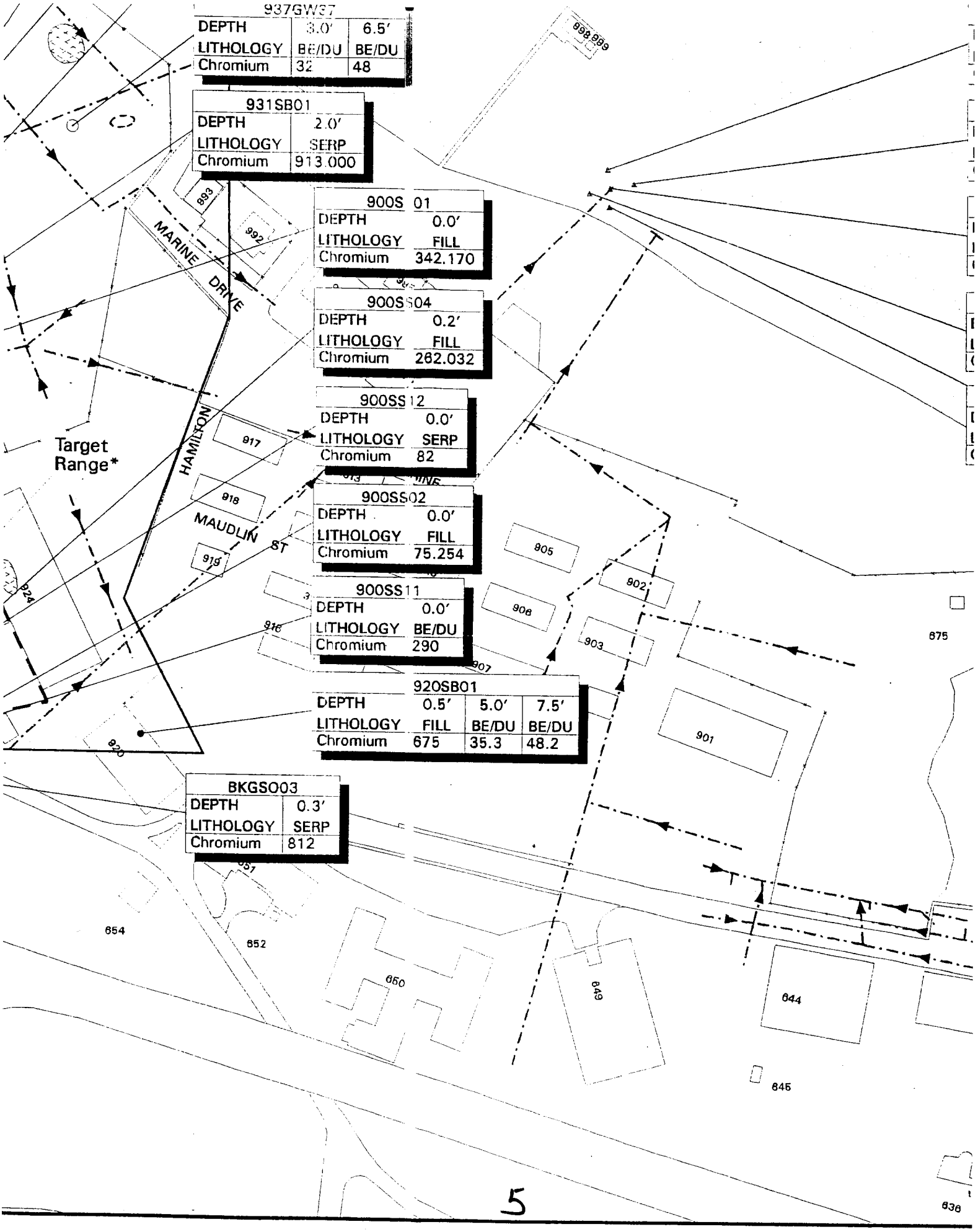
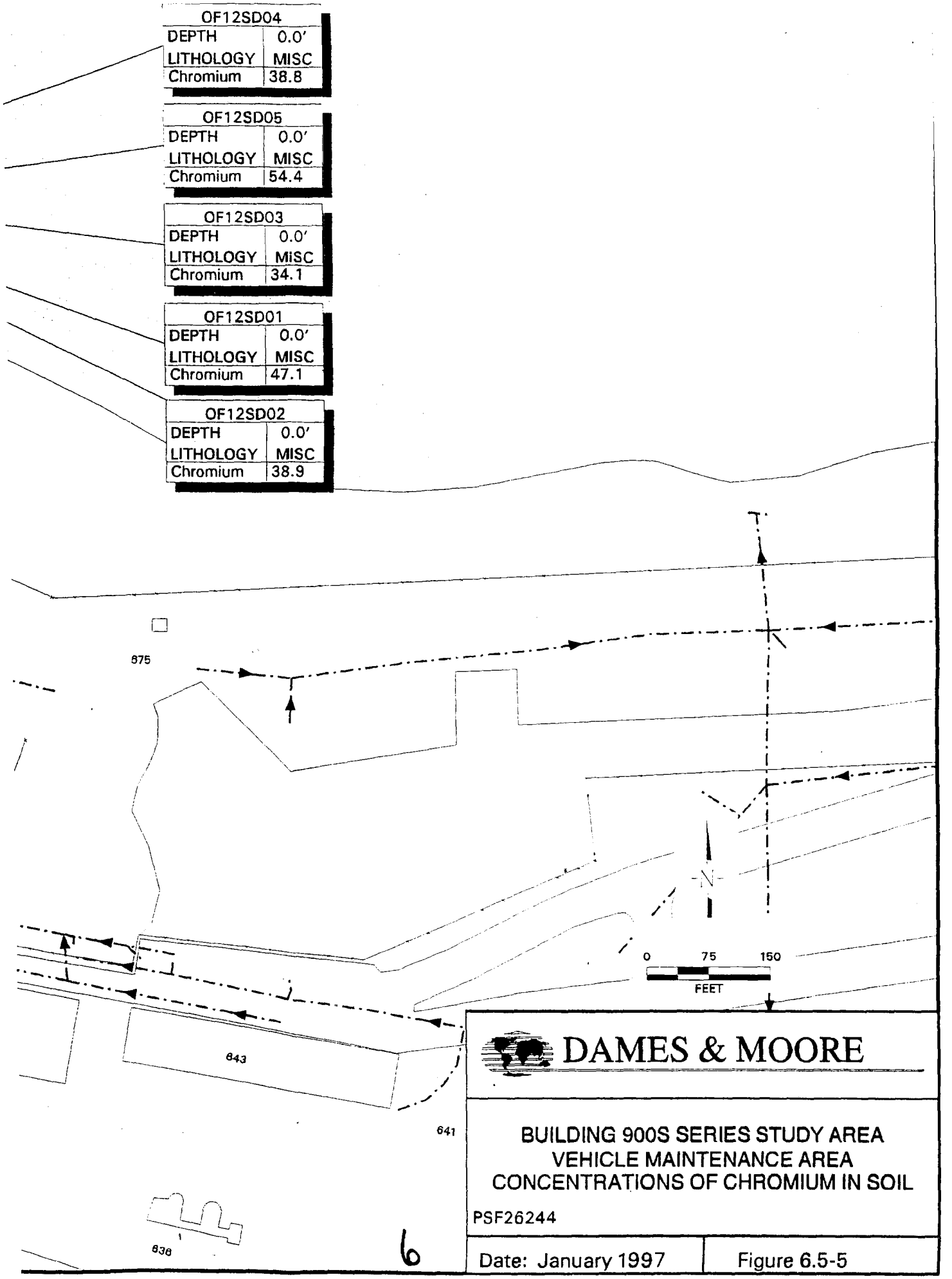

937GW37
DEPTH 3.0' 6.5'
LITHOLOGY BE/DU BE/DU
Chromium 32 48
931SB01
DEPTH 2.0'
LITHOLOGY SERP
Chromium 913.000
900S 01
DEPTH 0.0'
LITHOLOGY FILL
Chromium 342.170
900S S04
DEPTH 0.2'
LITHOLOGY FILL
Chromium 262.032
900SS12
DEPTH 0.0'
LITHOLOGY SERP
Chromium 82
900SS02
DEPTH 0.0'
LITHOLOGY FILL
Chromium 75.254
900SS11
DEPTH 0.0'
LITHOLOGY BE/DU
Chromium 290
920SB01
DEPTH 0.5' 5.0' 7.5'
LITHOLOGY FILL BE/DU BE/DU
Chromium 675 35.3 48.2
BKGSO03
DEPTH 0.3'
LITHOLOGY SERP
Chromium 812
Target Range*
MARINE DRIVE
HAMILTON
MAUDLIN ST
998 999
893
992
917
918
919
924
916
920
905
906
907
903
902
901
675
654
652
650
649
644
645
636



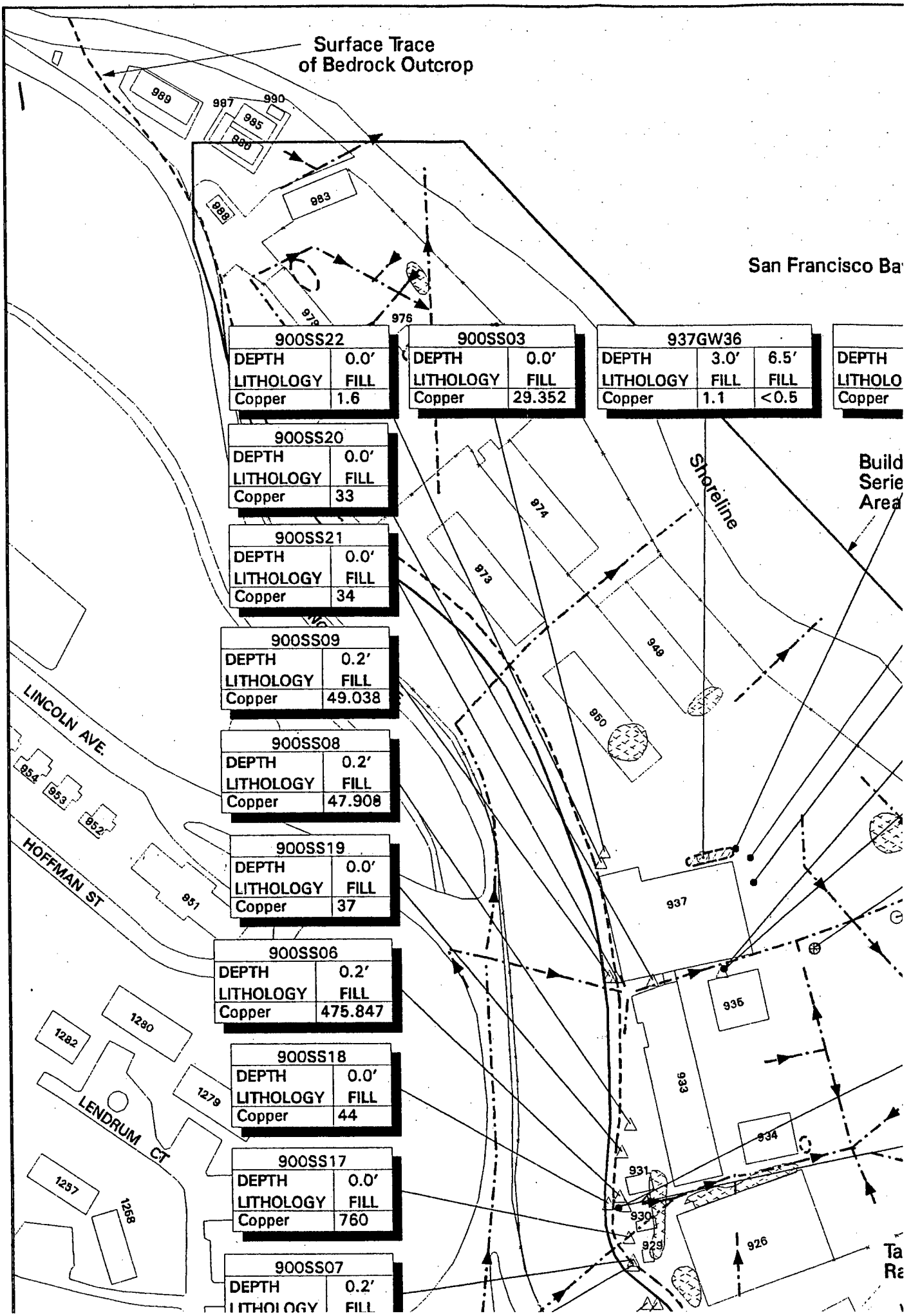
DAMES & MOORE

BUILDING 900S SERIES STUDY AREA
VEHICLE MAINTENANCE AREA
CONCENTRATIONS OF CHROMIUM IN SOIL

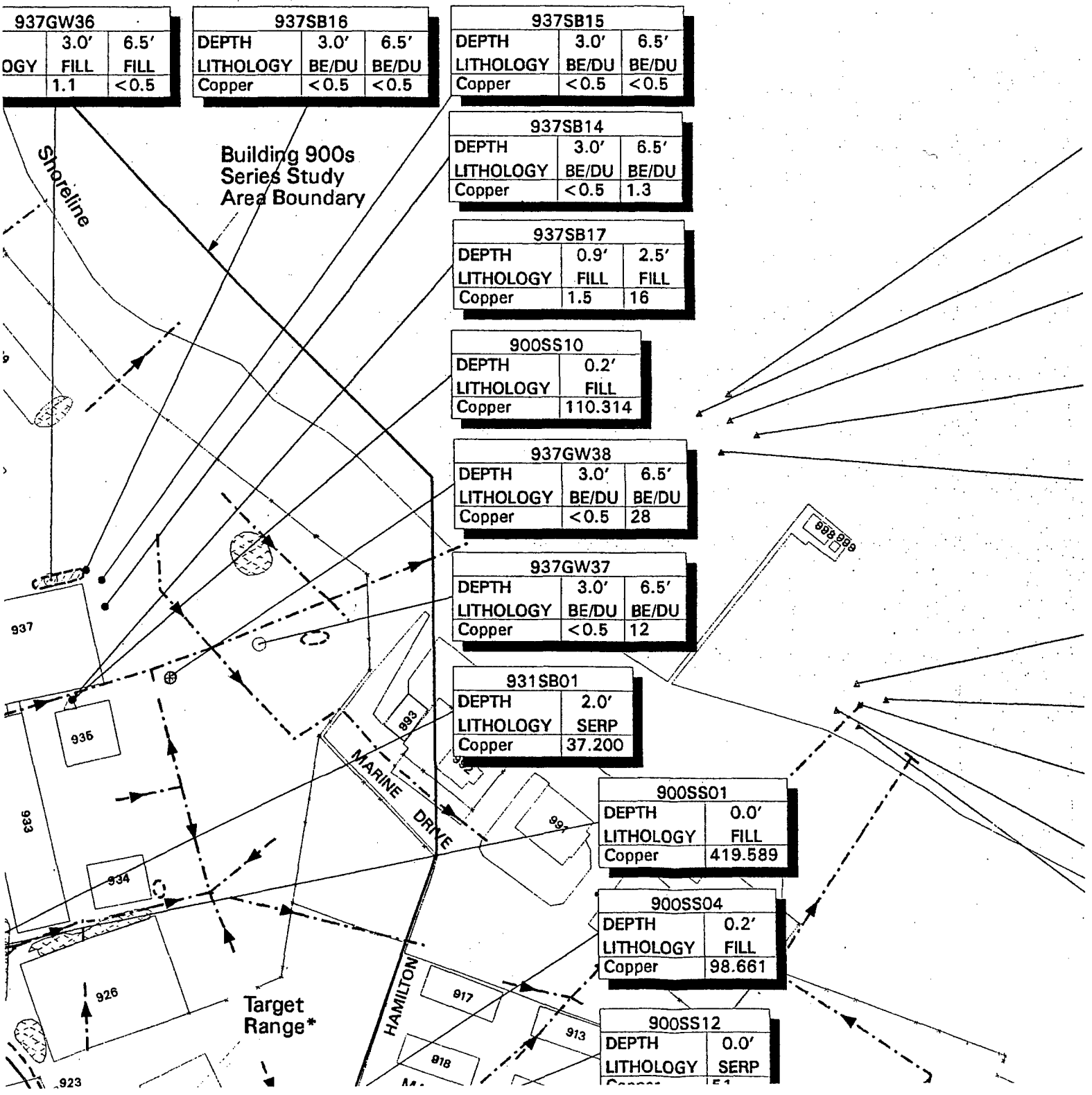
PSF26244

Date: January 1997 | Figure 6.5-5

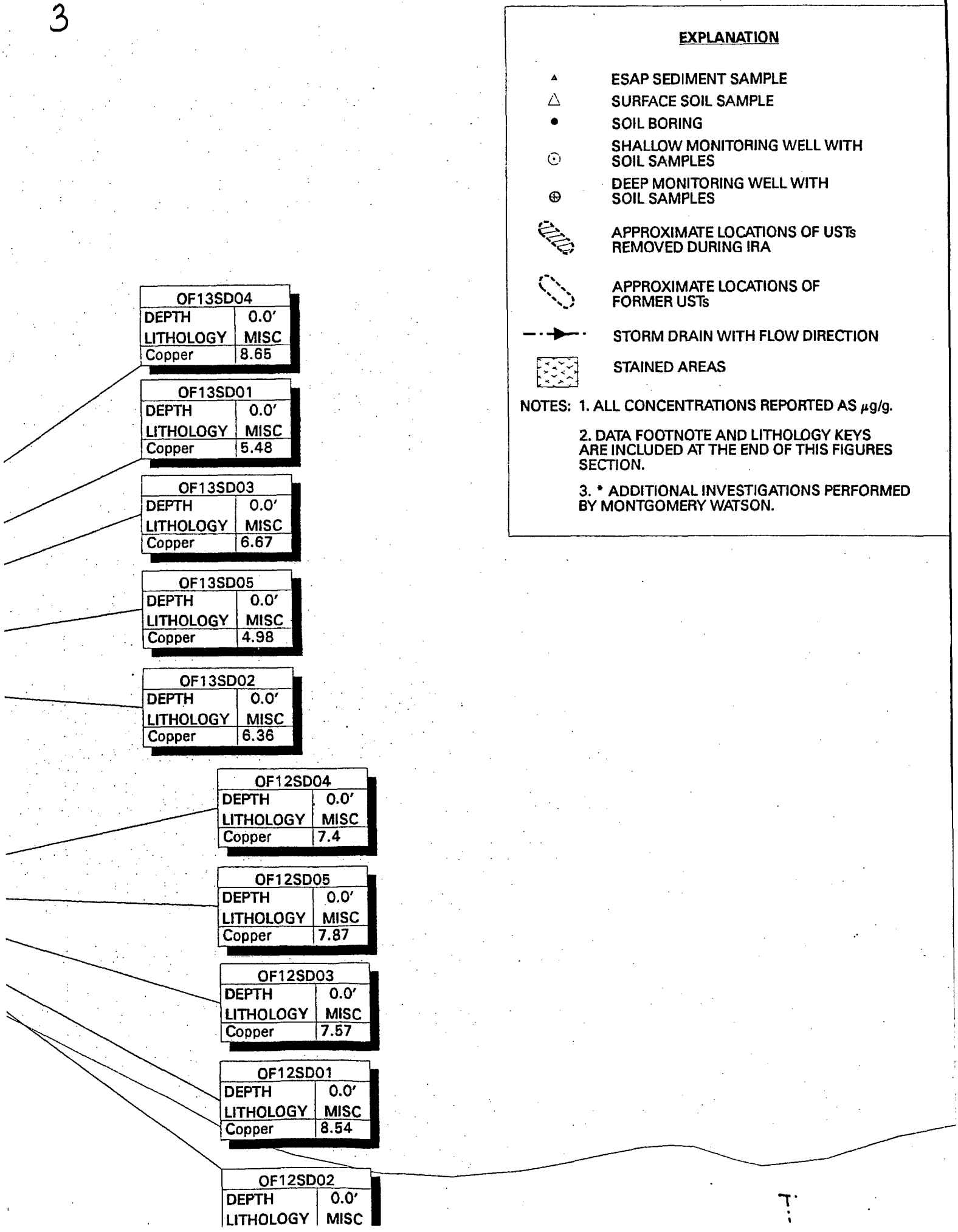
6


Surface Trace
of Bedrock Outcrop
San Francisco Ba
Shoreline
Build
Serie
Area
LINCOLN AVE.
HOFFMAN ST
LENDRUM CT
900SS22
DEPTH 0.0′
LITHOLOGY FILL
Copper 1.6
900SS03
DEPTH 0.0′
LITHOLOGY FILL
Copper 29.352
937GW36
DEPTH 3.0′ 6.5′
LITHOLOGY FILL FILL
Copper 1.1 <0.5
900SS20
DEPTH 0.0′
LITHOLOGY FILL
Copper 33
900SS21
DEPTH 0.0′
LITHOLOGY FILL
Copper 34
900SS09
DEPTH 0.2′
LITHOLOGY FILL
Copper 49.038
900SS08
DEPTH 0.2′
LITHOLOGY FILL
Copper 47.908
900SS19
DEPTH 0.0′
LITHOLOGY FILL
Copper 37
900SS06
DEPTH 0.2′
LITHOLOGY FILL
Copper 475.847
900SS18
DEPTH 0.0′
LITHOLOGY FILL
Copper 44
900SS17
DEPTH 0.0′
LITHOLOGY FILL
Copper 760
900SS07
DEPTH 0.2′
LITHOLOGY FILL

2


San Francisco Bay
937GW36
OGY | 3.0' FILL | 6.5' FILL
1.1 | <0.5
937SB16
DEPTH | 3.0' | 6.5'
LITHOLOGY | BE/DU | BE/DU
Copper | <0.5 | <0.5
937SB15
DEPTH | 3.0' | 6.5'
LITHOLOGY | BE/DU | BE/DU
Copper | <0.5 | <0.5
937SB14
DEPTH | 3.0' | 6.5'
LITHOLOGY | BE/DU | BE/DU
Copper | <0.5 | 1.3
937SB17
DEPTH | 0.9' | 2.5'
LITHOLOGY | FILL | FILL
Copper | 1.5 | 16
900SS10
DEPTH | 0.2'
LITHOLOGY | FILL
Copper | 110.314
937GW38
DEPTH | 3.0' | 6.5'
LITHOLOGY | BE/DU | BE/DU
Copper | <0.5 | 28
937GW37
DEPTH | 3.0' | 6.5'
LITHOLOGY | BE/DU | BE/DU
Copper | <0.5 | 12
931SB01
DEPTH | 2.0'
LITHOLOGY | SERP
Copper | 37.200
900SS01
DEPTH | 0.0'
LITHOLOGY | FILL
Copper | 419.589
900SS04
DEPTH | 0.2'
LITHOLOGY | FILL
Copper | 98.661
900SS12
DEPTH | 0.0'
LITHOLOGY | SERP
Shoreline
Building 900s Series Study Area Boundary
MARINE DRIVE
HAMILTON
Target Range*
937
936
933
934
926
923
917
913
918
991
993
988

3


EXPLANATION
ESAP SEDIMENT SAMPLE
SURFACE SOIL SAMPLE
SOIL BORING
SHALLOW MONITORING WELL WITH SOIL SAMPLES
DEEP MONITORING WELL WITH SOIL SAMPLES
APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
APPROXIMATE LOCATIONS OF FORMER USTs
STORM DRAIN WITH FLOW DIRECTION
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.
OF13SD04
DEPTH 0.0'
LITHOLOGY MISC
Copper 8.65
OF13SD01
DEPTH 0.0'
LITHOLOGY MISC
Copper 5.48
OF13SD03
DEPTH 0.0'
LITHOLOGY MISC
Copper 6.67
OF13SD05
DEPTH 0.0'
LITHOLOGY MISC
Copper 4.98
OF13SD02
DEPTH 0.0'
LITHOLOGY MISC
Copper 6.36
OF12SD04
DEPTH 0.0'
LITHOLOGY MISC
Copper 7.4
OF12SD05
DEPTH 0.0'
LITHOLOGY MISC
Copper 7.87
OF12SD03
DEPTH 0.0'
LITHOLOGY MISC
Copper 7.57
OF12SD01
DEPTH 0.0'
LITHOLOGY MISC
Copper 8.54
OF12SD02
DEPTH 0.0'
LITHOLOGY MISC

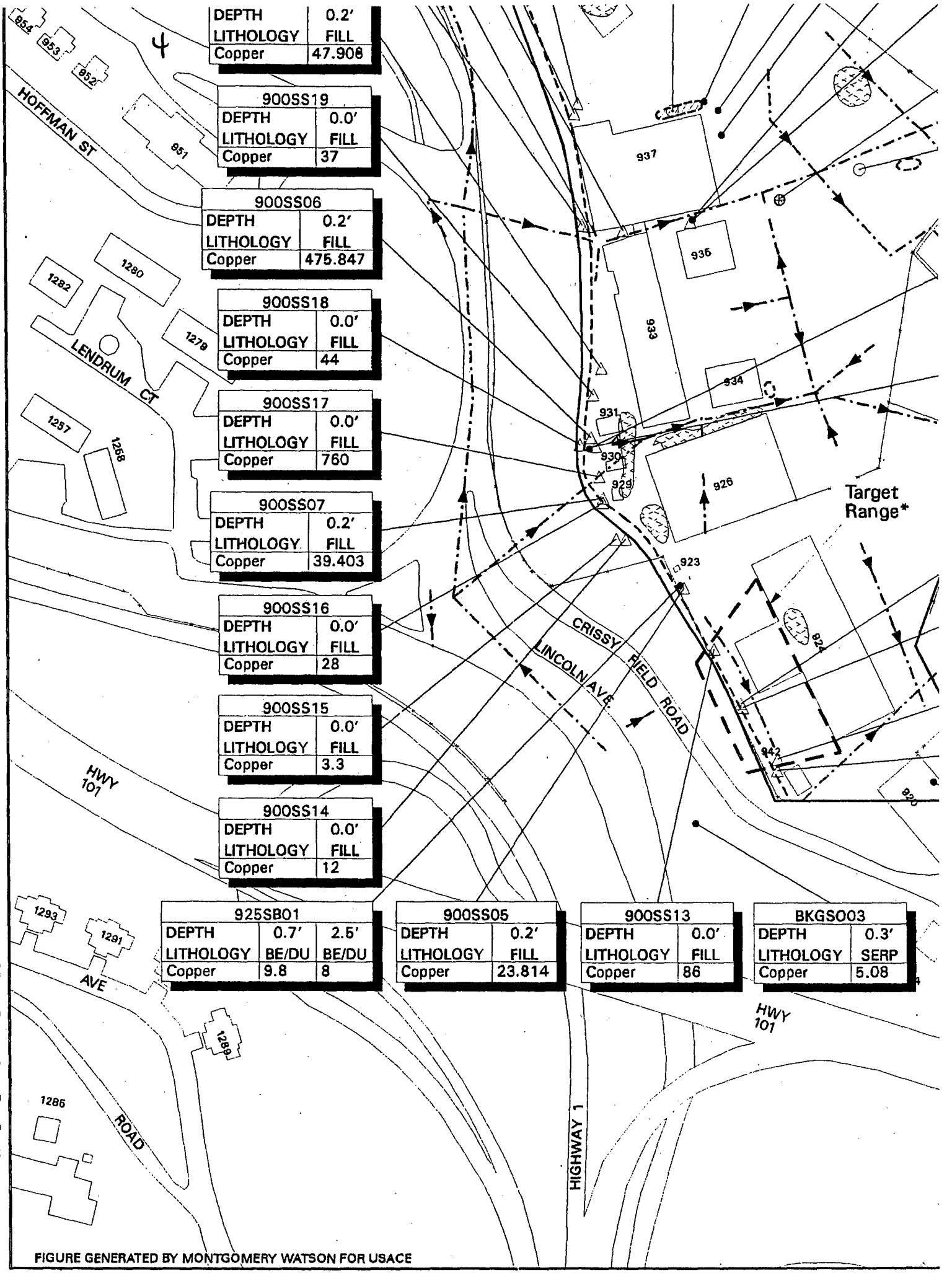


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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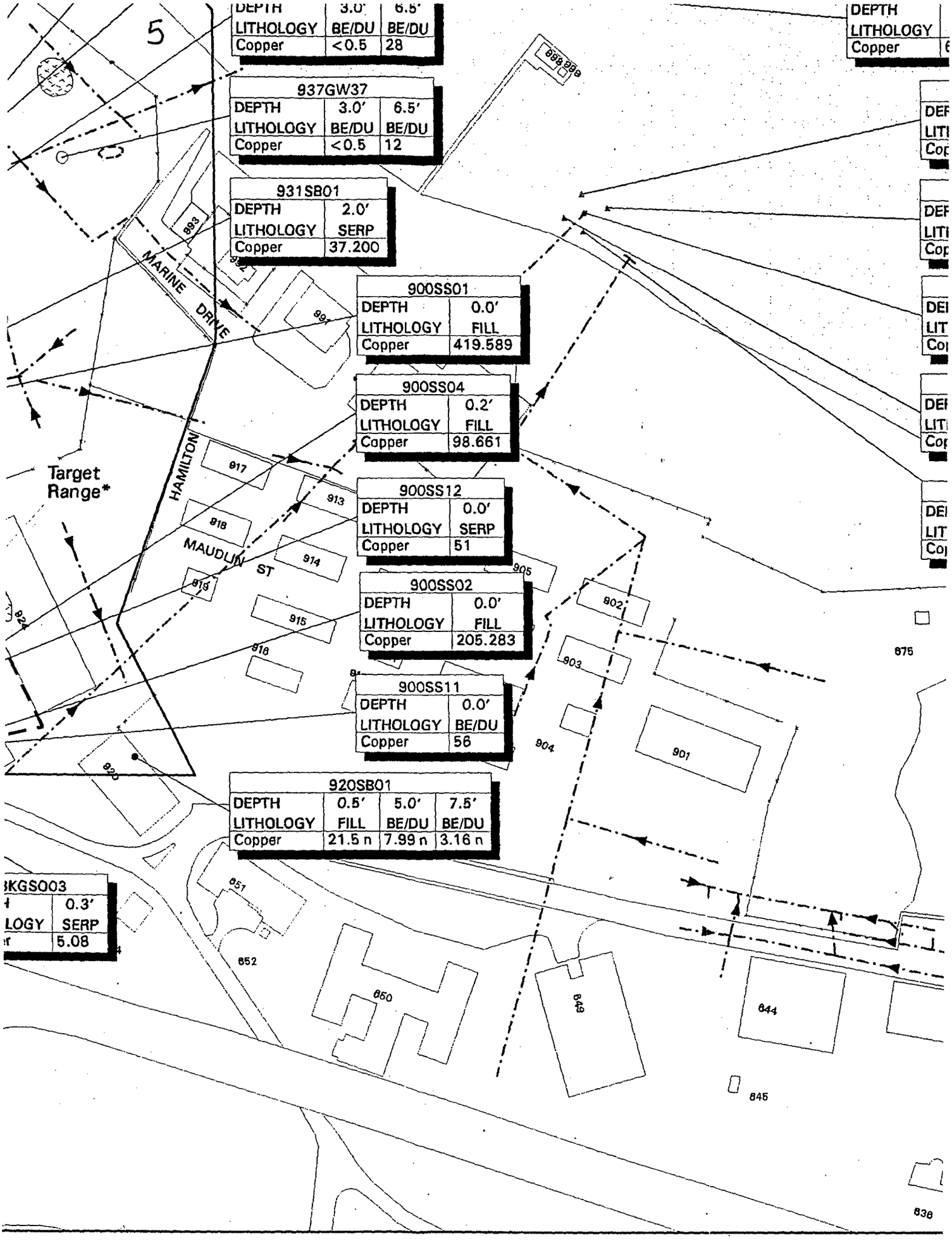
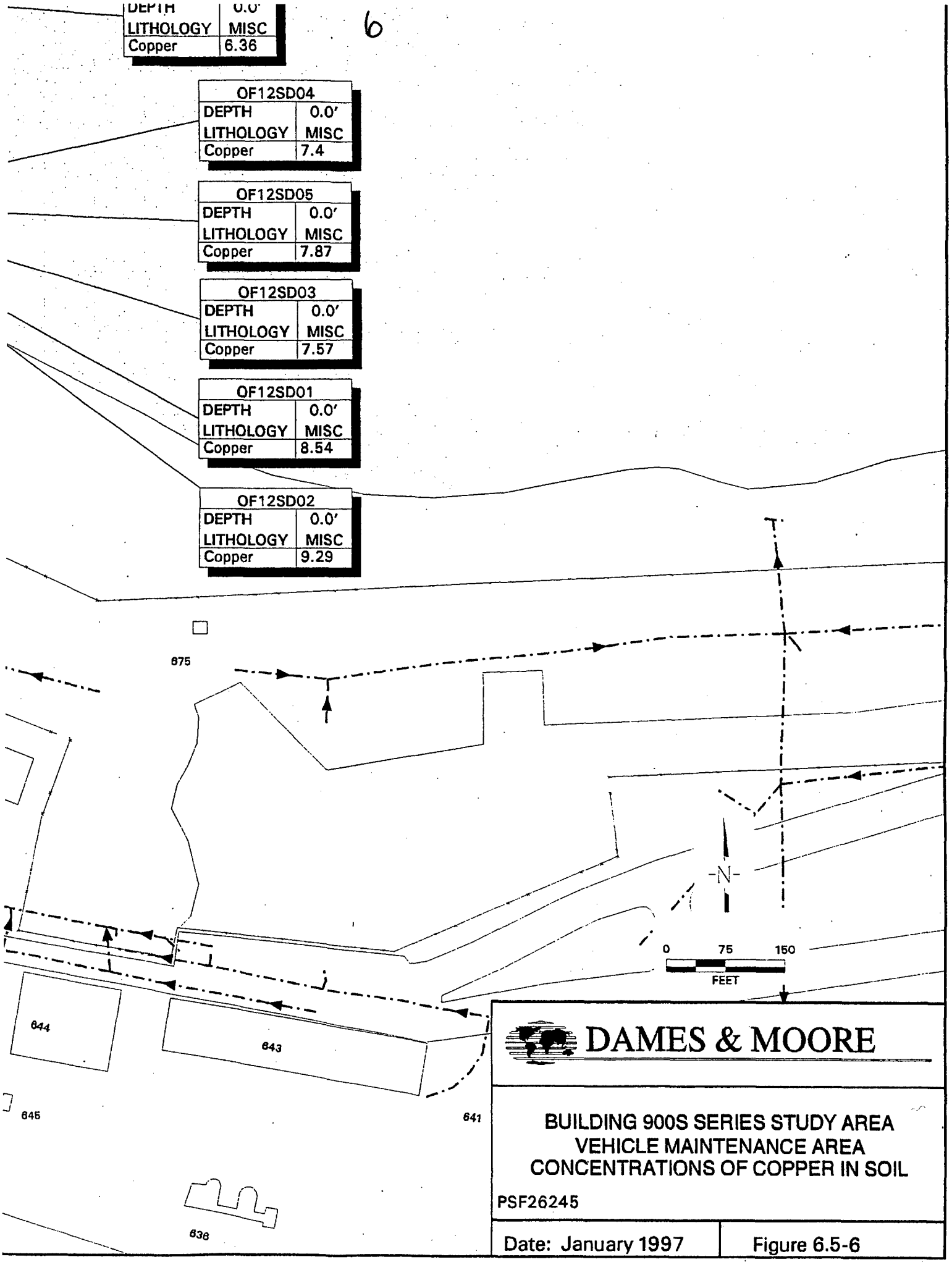

DEPTH 3.0' 6.5'
LITHOLOGY BE/DU BE/DU
Copper <0.5 28
937GW37
DEPTH 3.0' 6.5'
LITHOLOGY BE/DU BE/DU
Copper <0.5 12
931SB01
DEPTH 2.0'
LITHOLOGY SERP
Copper 37.200
900SS01
DEPTH 0.0'
LITHOLOGY FILL
Copper 419.589
900SS04
DEPTH 0.2'
LITHOLOGY FILL
Copper 98.661
900SS12
DEPTH 0.0'
LITHOLOGY SERP
Copper 51
900SS02
DEPTH 0.0'
LITHOLOGY FILL
Copper 205.283
900SS11
DEPTH 0.0'
LITHOLOGY BE/DU
Copper 56
920SB01
DEPTH 0.5' 5.0' 7.5'
LITHOLOGY FILL BE/DU BE/DU
Copper 21.5 n 7.99 n 3.16 n
KGSO03
0.3'
SERP
5.08
Target Range*
HAMILTON
MARINE DRIVE
MAUDUIT ST
5
883
917
913
918
914
919
915
916
924
920
905
902
903
904
901
675
651
652
650
649
644
645
636

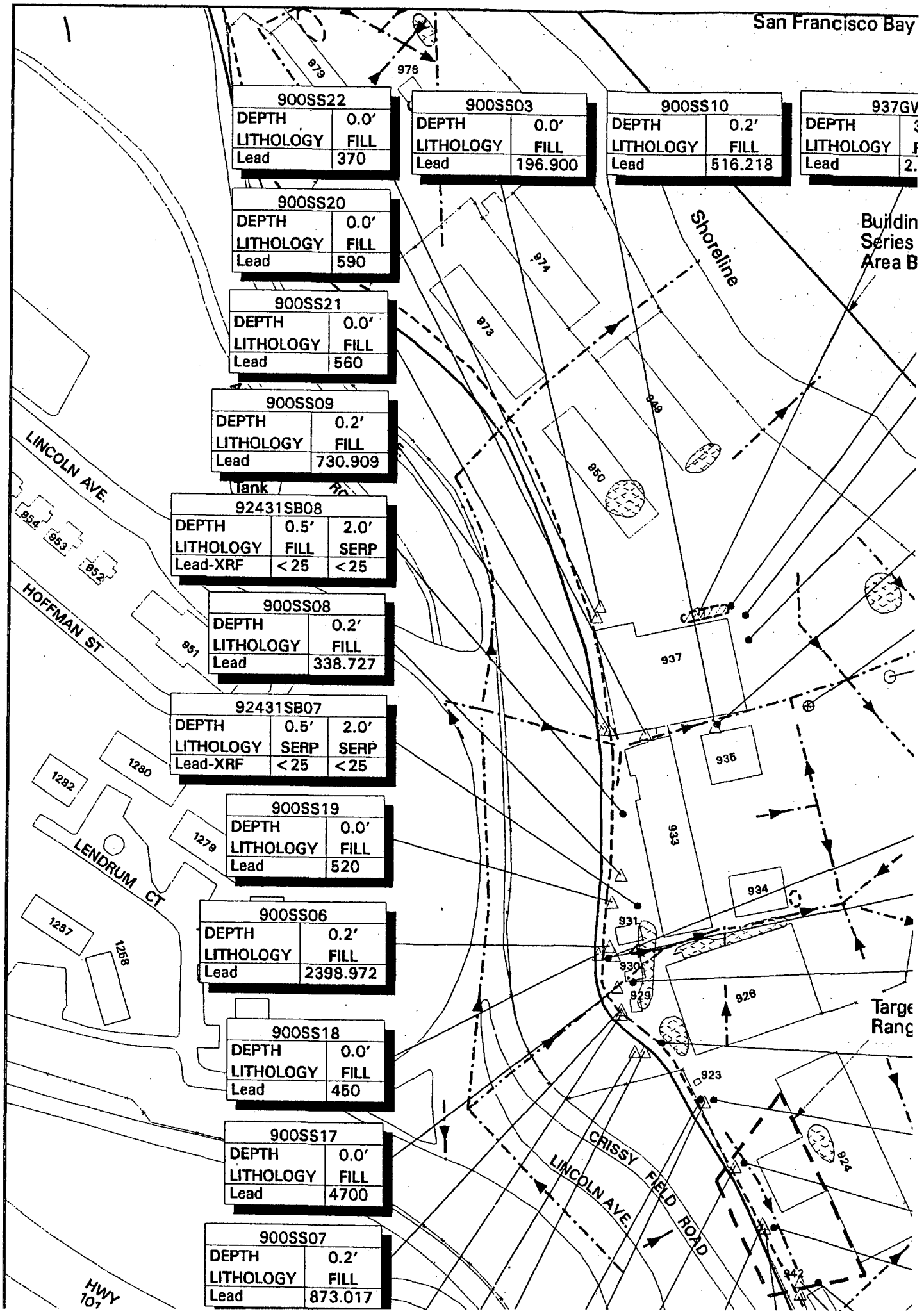


DAMES & MOORE

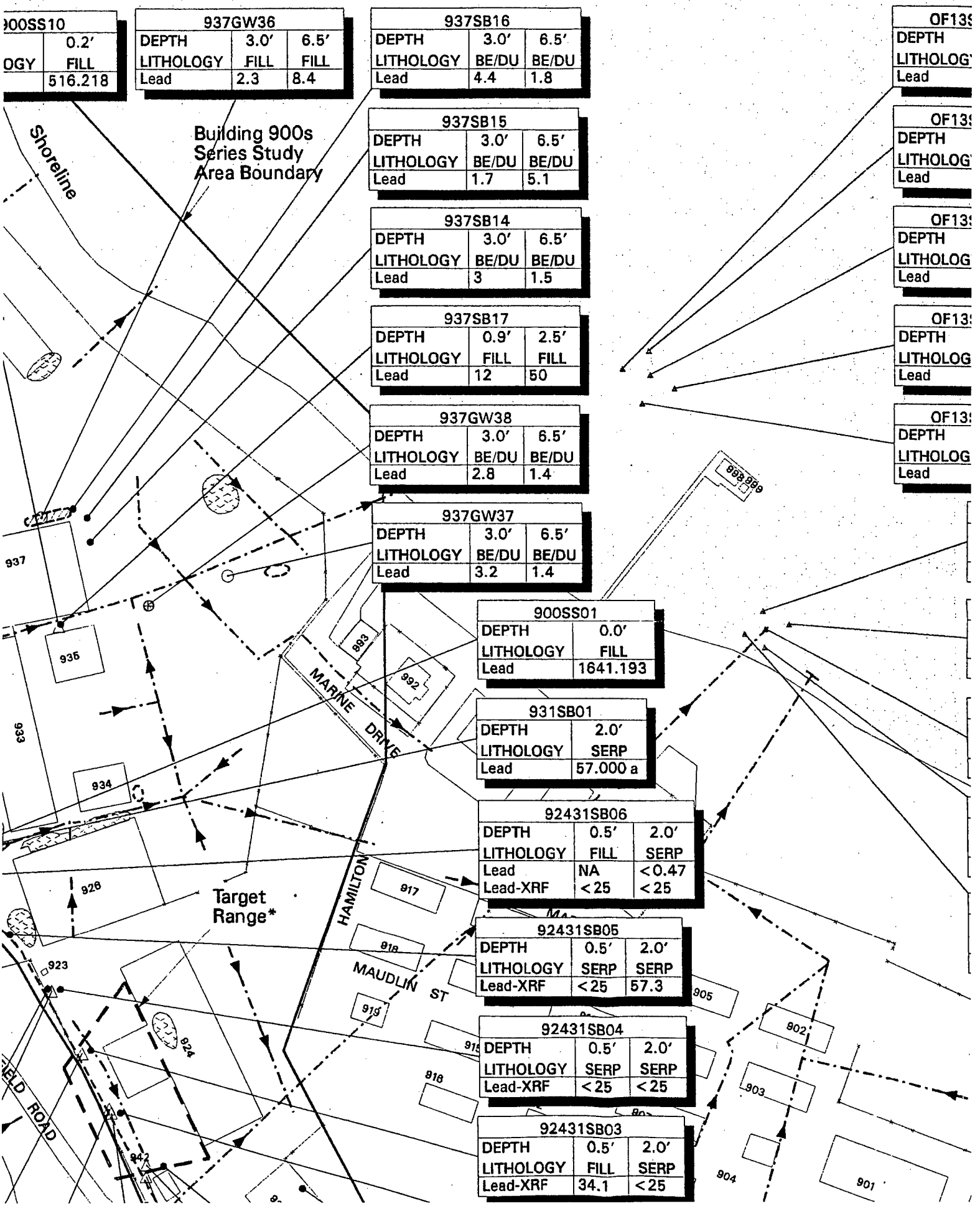
BUILDING 900S SERIES STUDY AREA
VEHICLE MAINTENANCE AREA
CONCENTRATIONS OF COPPER IN SOIL

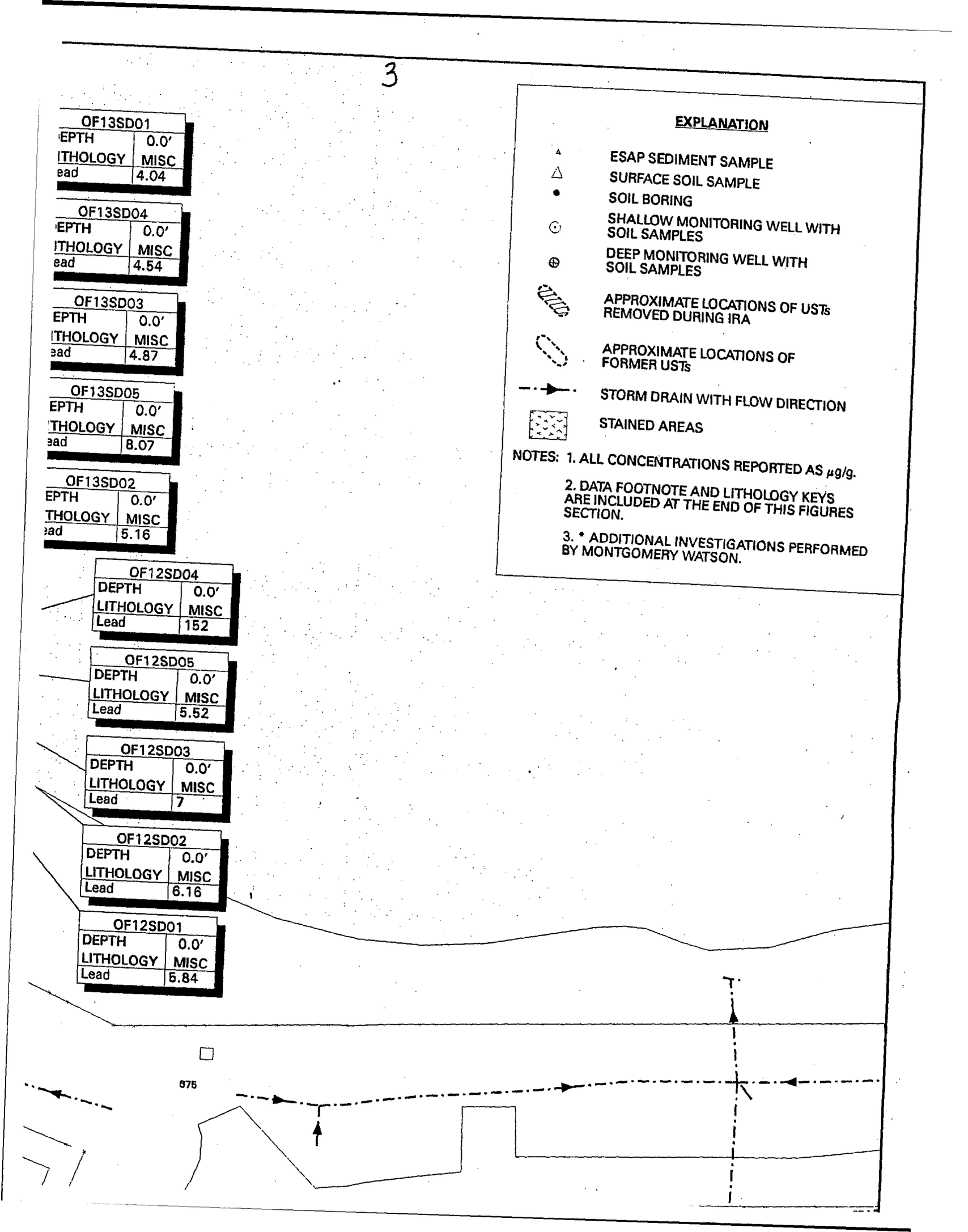
PSF26245

Date: January 1997 | Figure 6.5-6


San Francisco Bay
900SS22
DEPTH 0.0′
LITHOLOGY FILL
Lead 370
900SS03
DEPTH 0.0′
LITHOLOGY FILL
Lead 196.900
900SS10
DEPTH 0.2′
LITHOLOGY FILL
Lead 516.218
937GV
DEPTH
LITHOLOGY
Lead
900SS20
DEPTH 0.0′
LITHOLOGY FILL
Lead 590
900SS21
DEPTH 0.0′
LITHOLOGY FILL
Lead 560
900SS09
DEPTH 0.2′
LITHOLOGY FILL
Lead 730.909
92431SB08
DEPTH 0.5′ 2.0′
LITHOLOGY FILL SERP
Lead-XRF < 25 < 25
900SS08
DEPTH 0.2′
LITHOLOGY FILL
Lead 338.727
92431SB07
DEPTH 0.5′ 2.0′
LITHOLOGY SERP SERP
Lead-XRF < 25 < 25
900SS19
DEPTH 0.0′
LITHOLOGY FILL
Lead 520
900SS06
DEPTH 0.2′
LITHOLOGY FILL
Lead 2398.972
900SS18
DEPTH 0.0′
LITHOLOGY FILL
Lead 450
900SS17
DEPTH 0.0′
LITHOLOGY FILL
Lead 4700
900SS07
DEPTH 0.2′
LITHOLOGY FILL
Lead 873.017
Shoreline
Buildin
Series
Area B
LINCOLN AVE.
HOFFMAN ST
LENDRUM CT
CRISSY FIELD ROAD
LINCOLN AVE
HWY 101
Tank
Targe
Rang
979
976
974
973
948
950
954
953
952
951
1282
1280
1279
1257
1258
937
936
933
934
931
930
929
928
923
924
942

San Francisco Bay 2




OF13SD01
EPTH 0.0'
ITHOLOGY MISC
ead 4.04
OF13SD04
EPTH 0.0'
ITHOLOGY MISC
ead 4.54
OF13SD03
EPTH 0.0'
ITHOLOGY MISC
ead 4.87
OF13SD05
EPTH 0.0'
THOLOGY MISC
ead 8.07
OF13SD02
EPTH 0.0'
THOLOGY MISC
ad 5.16
OF12SD04
DEPTH 0.0'
LITHOLOGY MISC
Lead 152
OF12SD05
DEPTH 0.0'
LITHOLOGY MISC
Lead 5.52
OF12SD03
DEPTH 0.0'
LITHOLOGY MISC
Lead 7
OF12SD02
DEPTH 0.0'
LITHOLOGY MISC
Lead 6.16
OF12SD01
DEPTH 0.0'
LITHOLOGY MISC
Lead 5.84
675
EXPLANATION
ESAP SEDIMENT SAMPLE
SURFACE SOIL SAMPLE
SOIL BORING
SHALLOW MONITORING WELL WITH SOIL SAMPLES
DEEP MONITORING WELL WITH SOIL SAMPLES
APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
APPROXIMATE LOCATIONS OF FORMER USTs
STORM DRAIN WITH FLOW DIRECTION
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

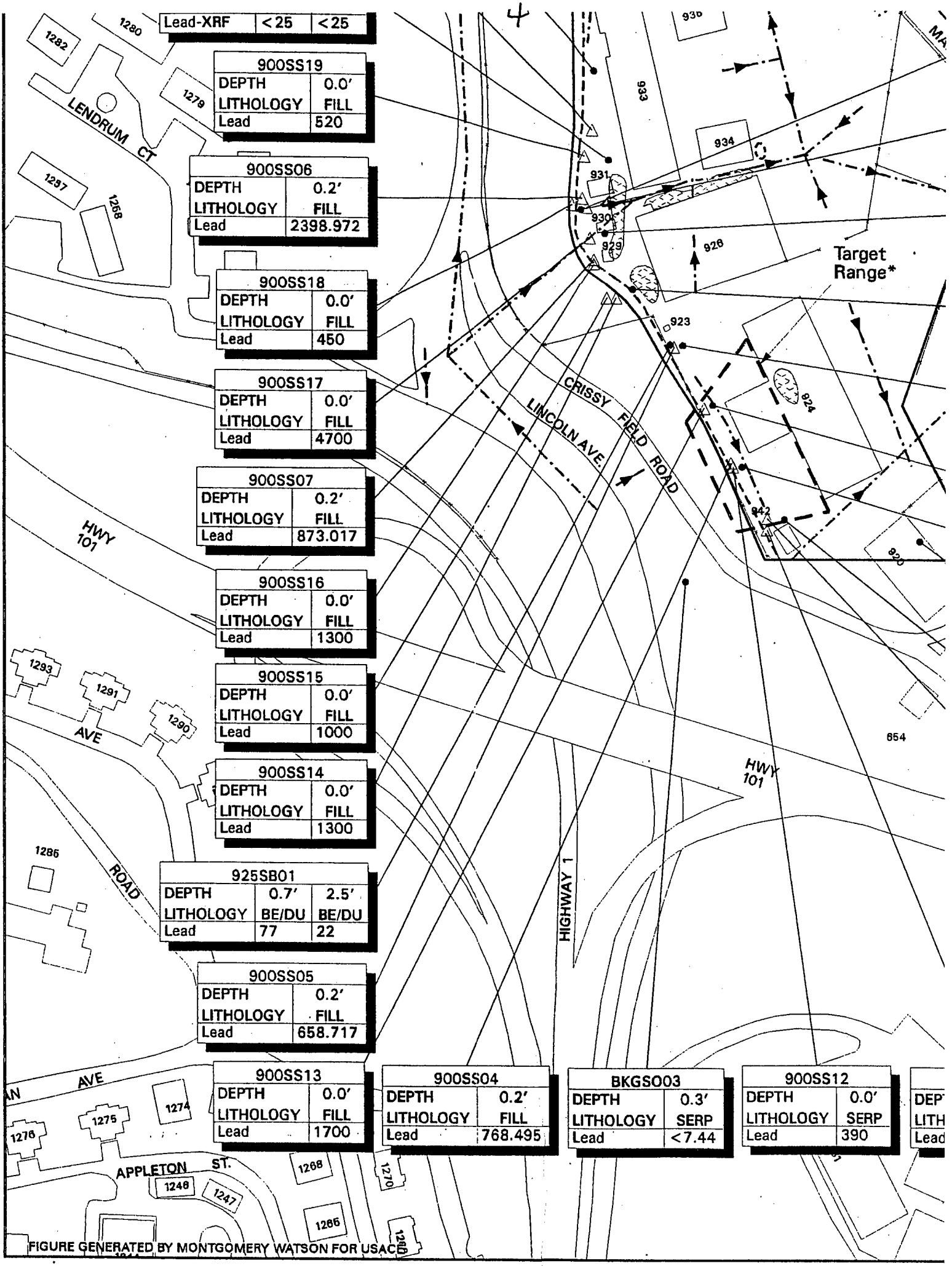
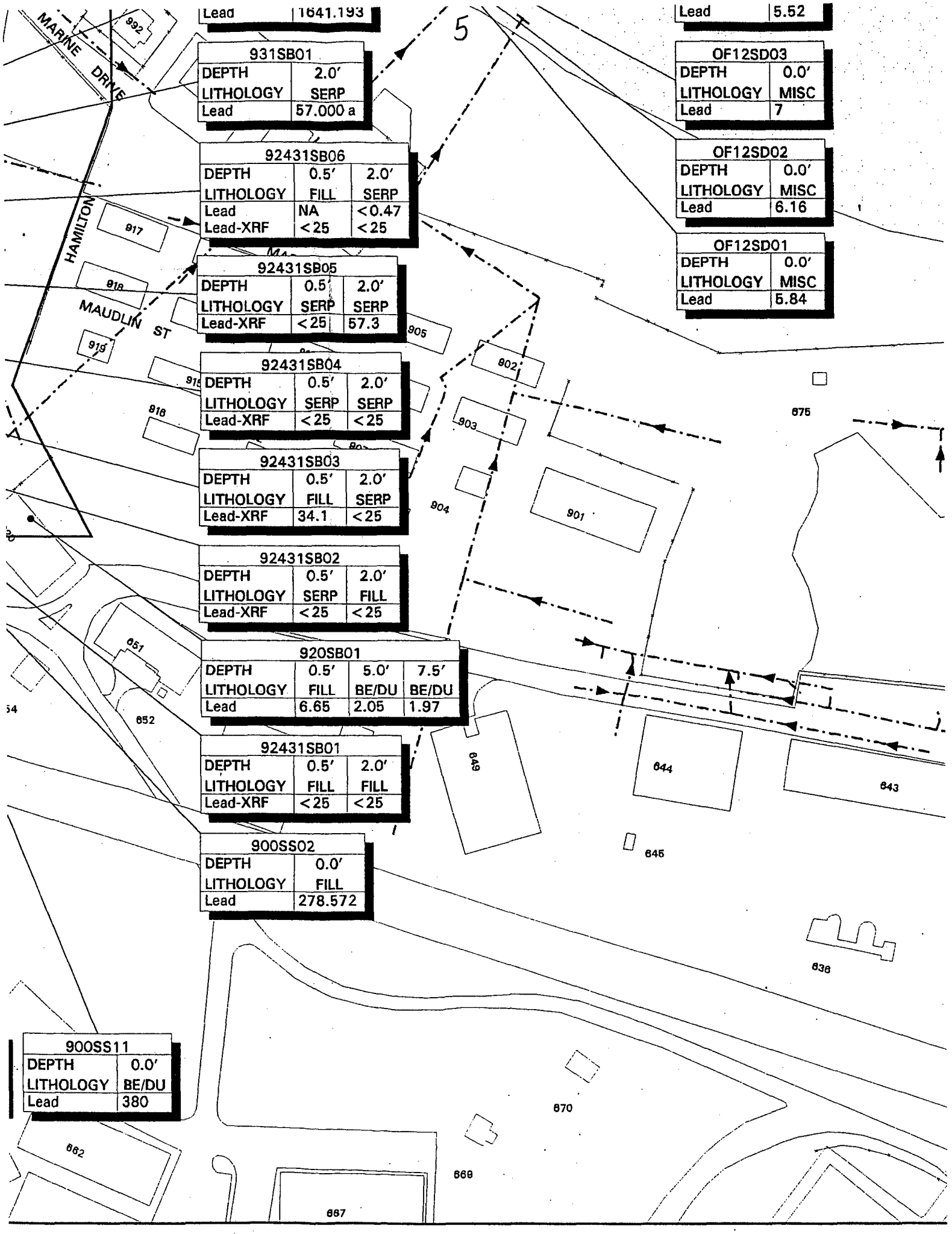


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

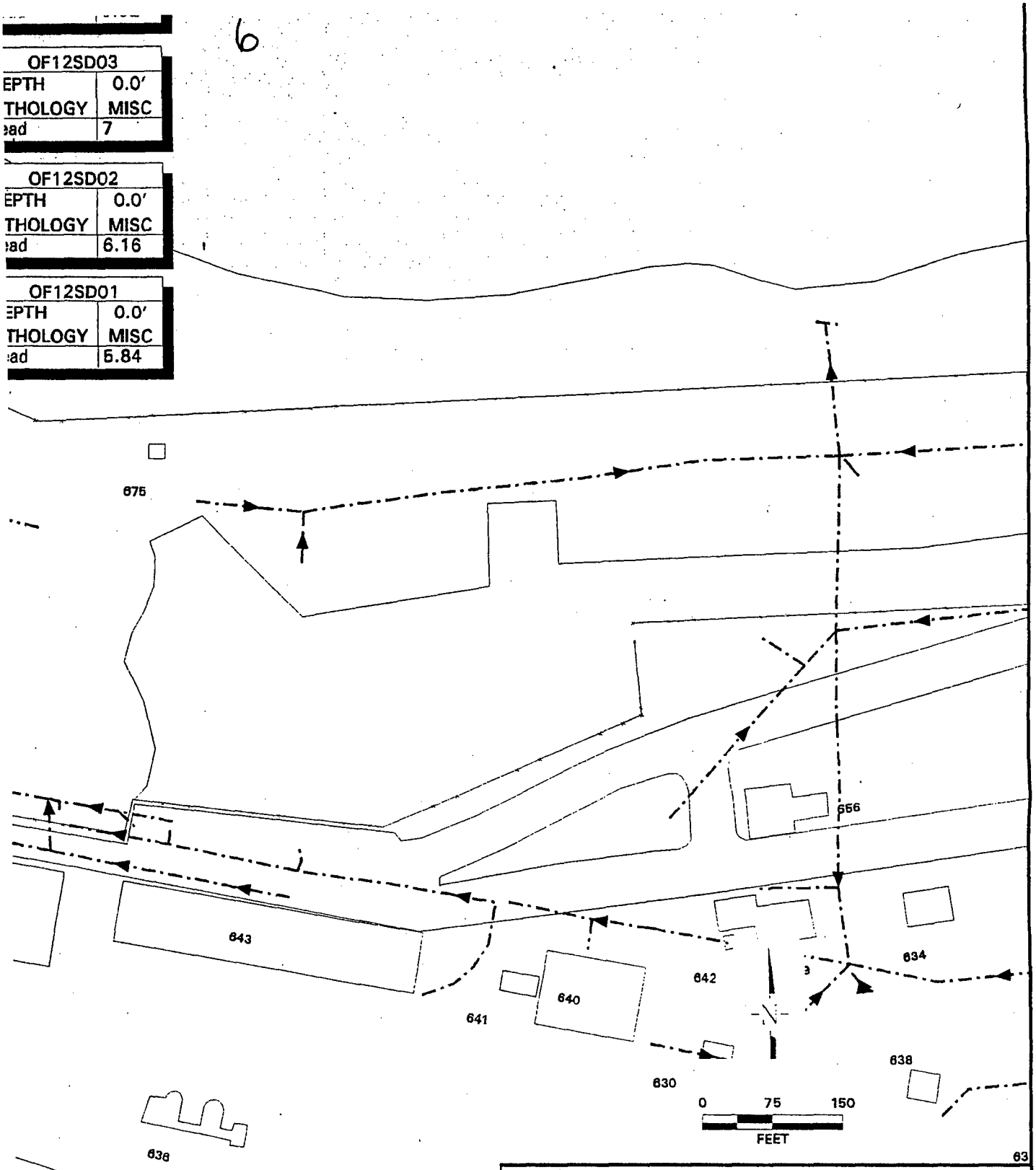
26 Dec 96 11:55:31 Thursday, base_11217_v3.aml, plottic base_HYZO-37_S_12.grn, PSV


Lead 1641.193
931SB01
DEPTH 2.0'
LITHOLOGY SERP
Lead 57.000 a
92431SB06
DEPTH 0.5' 2.0'
LITHOLOGY FILL SERP
Lead NA <0.47
Lead-XRF <25 <25
92431SB05
DEPTH 0.5' 2.0'
LITHOLOGY SERP SERP
Lead-XRF <25 57.3
92431SB04
DEPTH 0.5' 2.0'
LITHOLOGY SERP SERP
Lead-XRF <25 <25
92431SB03
DEPTH 0.5' 2.0'
LITHOLOGY FILL SERP
Lead-XRF 34.1 <25
92431SB02
DEPTH 0.5' 2.0'
LITHOLOGY SERP FILL
Lead-XRF <25 <25
920SB01
DEPTH 0.5' 5.0' 7.5'
LITHOLOGY FILL BE/DU BE/DU
Lead 6.65 2.05 1.97
92431SB01
DEPTH 0.5' 2.0'
LITHOLOGY FILL FILL
Lead-XRF <25 <25
900SS02
DEPTH 0.0'
LITHOLOGY FILL
Lead 278.572
900SS11
DEPTH 0.0'
LITHOLOGY BE/DU
Lead 380
Lead 5.52
OF12SD03
DEPTH 0.0'
LITHOLOGY MISC
Lead 7
OF12SD02
DEPTH 0.0'
LITHOLOGY MISC
Lead 6.16
OF12SD01
DEPTH 0.0'
LITHOLOGY MISC
Lead 5.84
MARINE DRIVE
HAMILTON
MAUDLIN ST
992
917
918
919
915
905
902
903
904
901
875
818
651
652
649
644
643
645
638
670
669
667
662

OF12SD03	
EPTH	0.0'
THOLOGY	MISC
ead	7

OF12SD02	
EPTH	0.0'
THOLOGY	MISC
ead	6.16

OF12SD01	
EPTH	0.0'
THOLOGY	MISC
ead	5.84



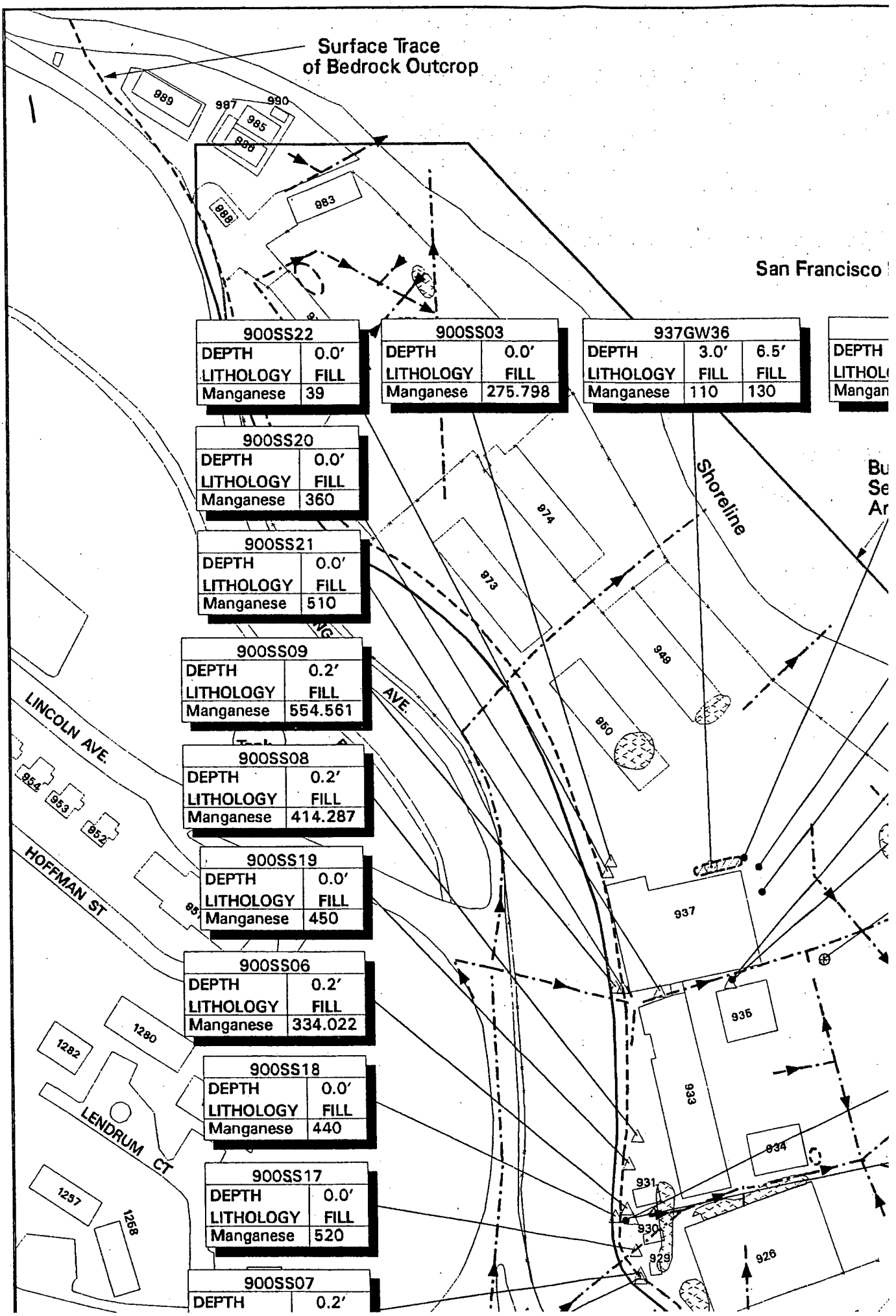
DAMES & MOORE

BUILDING 900S SERIES STUDY AREA
VEHICLE MAINTENANCE AREA
CONCENTRATIONS OF LEAD IN SOIL

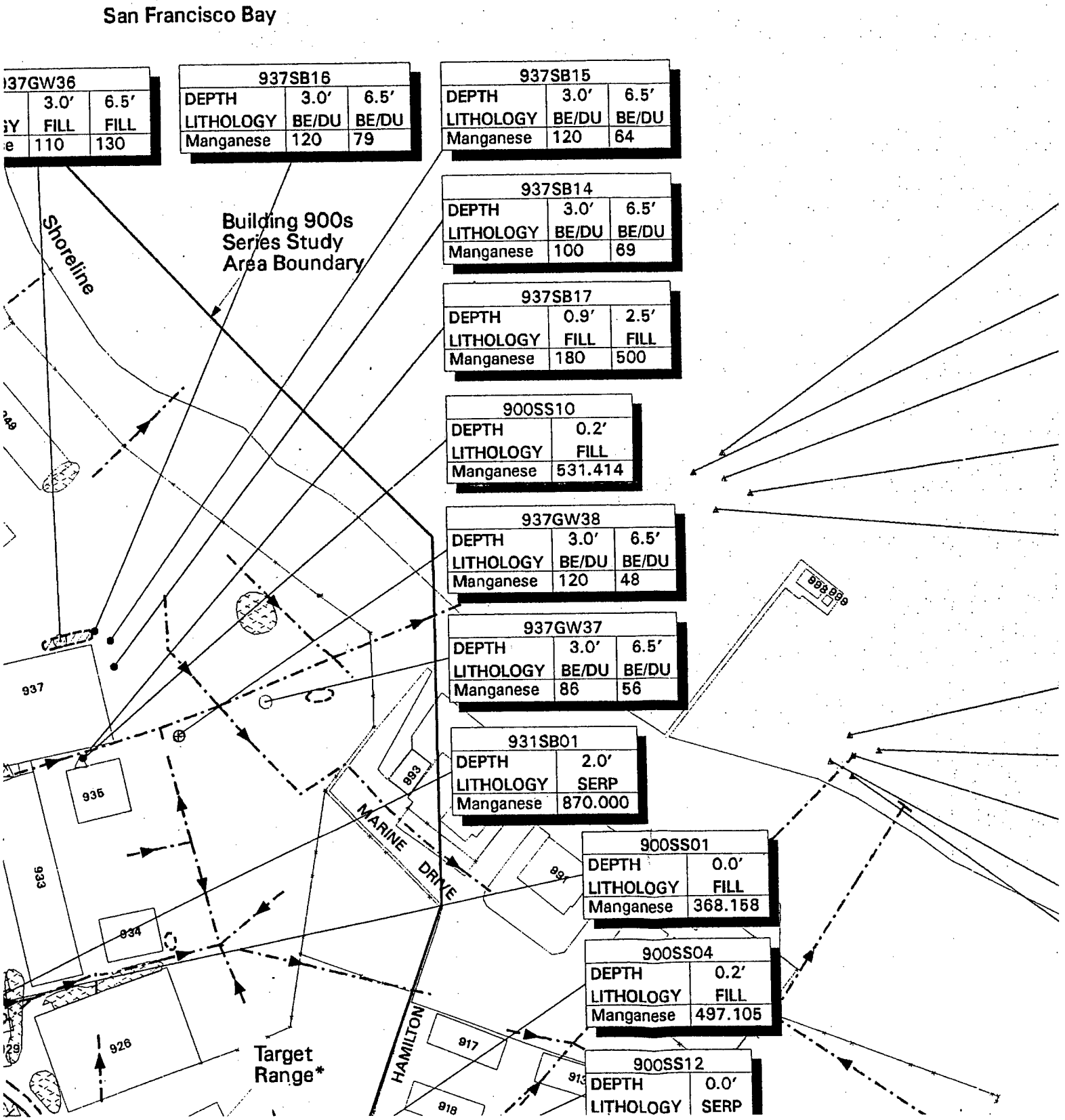
PSF26249

Date: January 1997

Figure 6.5-7


Surface Trace
of Bedrock Outcrop
San Francisco
Shoreline
LINCOLN AVE.
HOFFMAN ST
LENDRUM CT
989
997
990
985
988
983
974
973
949
950
954
953
952
937
935
933
934
931
930
929
926
1280
1282
1257
1268
900SS22
DEPTH 0.0′
LITHOLOGY FILL
Manganese 39
900SS03
DEPTH 0.0′
LITHOLOGY FILL
Manganese 275.798
937GW36
DEPTH 3.0′ 6.5′
LITHOLOGY FILL FILL
Manganese 110 130
900SS20
DEPTH 0.0′
LITHOLOGY FILL
Manganese 360
900SS21
DEPTH 0.0′
LITHOLOGY FILL
Manganese 510
900SS09
DEPTH 0.2′
LITHOLOGY FILL
Manganese 554.561
900SS08
DEPTH 0.2′
LITHOLOGY FILL
Manganese 414.287
900SS19
DEPTH 0.0′
LITHOLOGY FILL
Manganese 450
900SS06
DEPTH 0.2′
LITHOLOGY FILL
Manganese 334.022
900SS18
DEPTH 0.0′
LITHOLOGY FILL
Manganese 440
900SS17
DEPTH 0.0′
LITHOLOGY FILL
Manganese 520
900SS07
DEPTH 0.2′

2


San Francisco Bay
937GW36
3.0′ FILL
6.5′ FILL
110
130
937SB16
DEPTH
LITHOLOGY
Manganese
3.0′ BE/DU
6.5′ BE/DU
120
79
937SB15
DEPTH
LITHOLOGY
Manganese
3.0′ BE/DU
6.5′ BE/DU
120
64
937SB14
DEPTH
LITHOLOGY
Manganese
3.0′ BE/DU
6.5′ BE/DU
100
69
937SB17
DEPTH
LITHOLOGY
Manganese
0.9′ FILL
2.5′ FILL
180
500
900SS10
DEPTH
LITHOLOGY
Manganese
0.2′ FILL
531.414
937GW38
DEPTH
LITHOLOGY
Manganese
3.0′ BE/DU
6.5′ BE/DU
120
48
937GW37
DEPTH
LITHOLOGY
Manganese
3.0′ BE/DU
6.5′ BE/DU
86
56
931SB01
DEPTH
LITHOLOGY
Manganese
2.0′ SERP
870.000
900SS01
DEPTH
LITHOLOGY
Manganese
0.0′ FILL
368.158
900SS04
DEPTH
LITHOLOGY
Manganese
0.2′ FILL
497.105
900SS12
DEPTH
LITHOLOGY
0.0′ SERP
Shoreline
Building 900s Series Study Area Boundary
MARINE DRIVE
HAMILTON
Target Range*
937
935
933
934
926
917
918
893
891
889

3

EXPLANATION

- ESAP SEDIMENT SAMPLE
- SURFACE SOIL SAMPLE
- SOIL BORING
- SHALLOW MONITORING WELL WITH SOIL SAMPLES
- DEEP MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STORM DRAIN WITH FLOW DIRECTION
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

OF13SD04	
DEPTH	0.0'
LITHOLOGY	MISC
Manganese	108

OF13SD01	
DEPTH	0.0'
LITHOLOGY	MISC
Manganese	107

OF13SD03	
DEPTH	0.0'
LITHOLOGY	MISC
Manganese	116

OF13SD05	
DEPTH	0.0'
LITHOLOGY	MISC
Manganese	84

OF13SD02	
DEPTH	0.0'
LITHOLOGY	MISC
Manganese	112

OF12SD04	
DEPTH	0.0'
LITHOLOGY	MISC
Manganese	131

OF12SD05	
DEPTH	0.0'
LITHOLOGY	MISC
Manganese	171

OF12SD03	
DEPTH	0.0'
LITHOLOGY	MISC
Manganese	143

OF12SD01	
DEPTH	0.0'
LITHOLOGY	MISC
Manganese	149

OF12SD02	
DEPTH	0.0'
LITHOLOGY	MISC

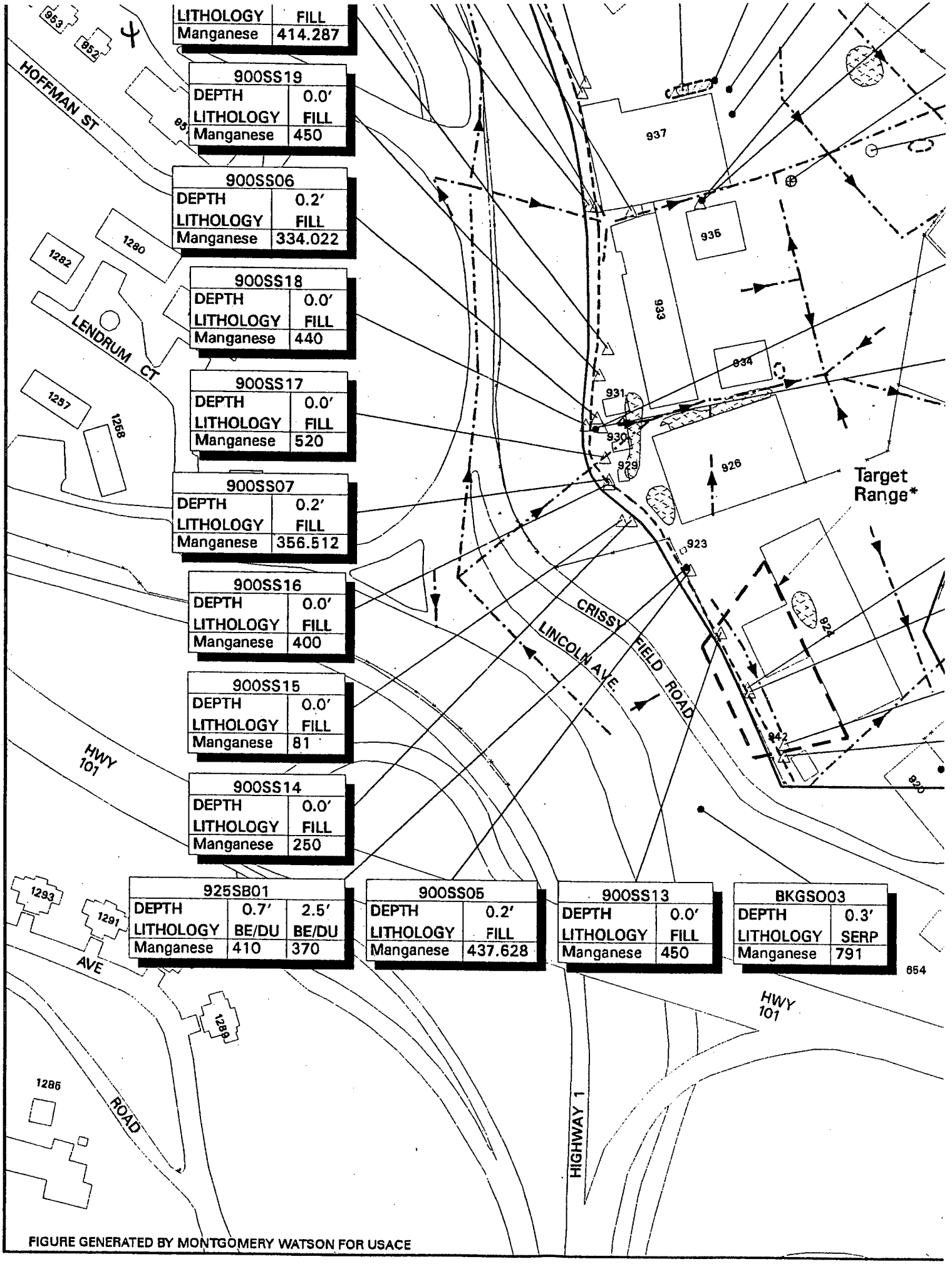
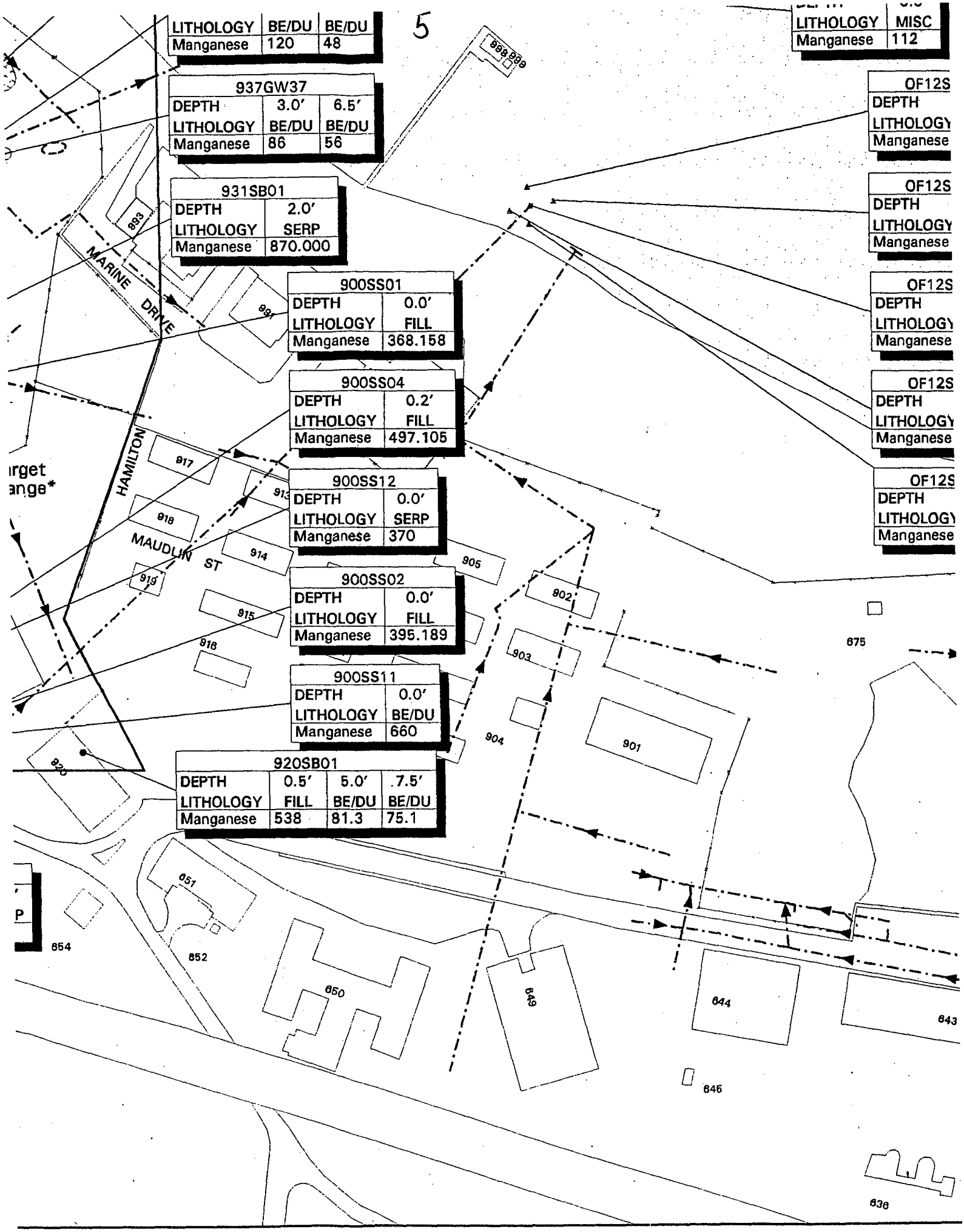
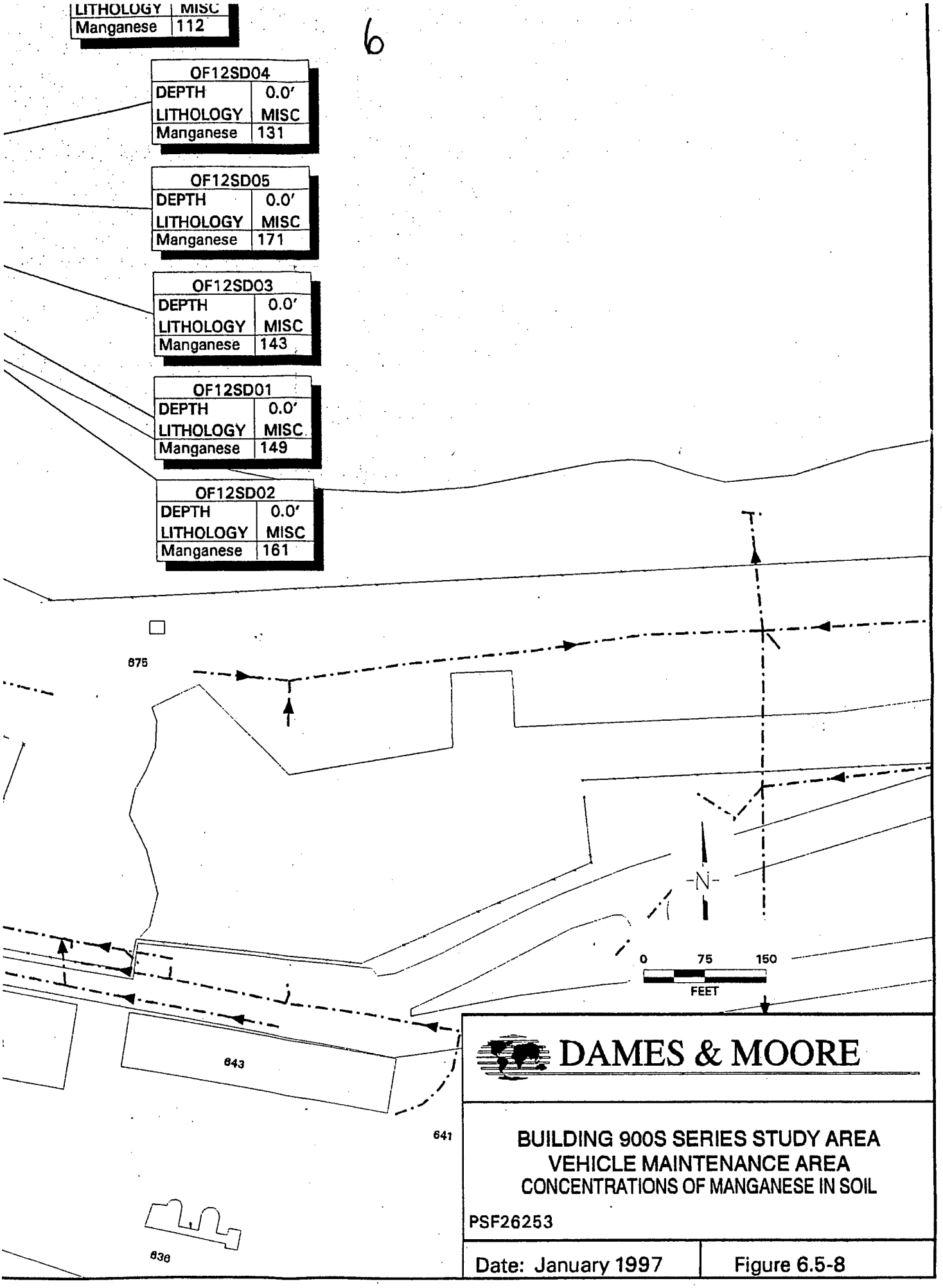


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

26 Dec 96 11:58:08 Thursday, base_11x17_v3.aml, plotfile base_B920-37_S_14.cgm, PSF


5
LITHOLOGY | BE/DU | BE/DU
Manganese | 120 | 48
937GW37
DEPTH | 3.0' | 6.5'
LITHOLOGY | BE/DU | BE/DU
Manganese | 86 | 56
931SB01
DEPTH | 2.0'
LITHOLOGY | SERP
Manganese | 870.000
900SS01
DEPTH | 0.0'
LITHOLOGY | FILL
Manganese | 368.158
900SS04
DEPTH | 0.2'
LITHOLOGY | FILL
Manganese | 497.105
900SS12
DEPTH | 0.0'
LITHOLOGY | SERP
Manganese | 370
900SS02
DEPTH | 0.0'
LITHOLOGY | FILL
Manganese | 395.189
900SS11
DEPTH | 0.0'
LITHOLOGY | BE/DU
Manganese | 660
920SB01
DEPTH | 0.5' | 5.0' | 7.5'
LITHOLOGY | FILL | BE/DU | BE/DU
Manganese | 538 | 81.3 | 75.1
LITHOLOGY | MISC
Manganese | 112
OF12S
DEPTH
LITHOLOGY
Manganese
OF12S
DEPTH
LITHOLOGY
Manganese
OF12S
DEPTH
LITHOLOGY
Manganese
OF12S
DEPTH
LITHOLOGY
Manganese
OF12S
DEPTH
LITHOLOGY
Manganese
MARINE DRIVE
HAMILTON
MAUDLIN ST
irget
ange*
893
891
917
913
918
914
919
915
916
905
902
903
904
901
675
920
651
654
852
650
649
644
643
646
636

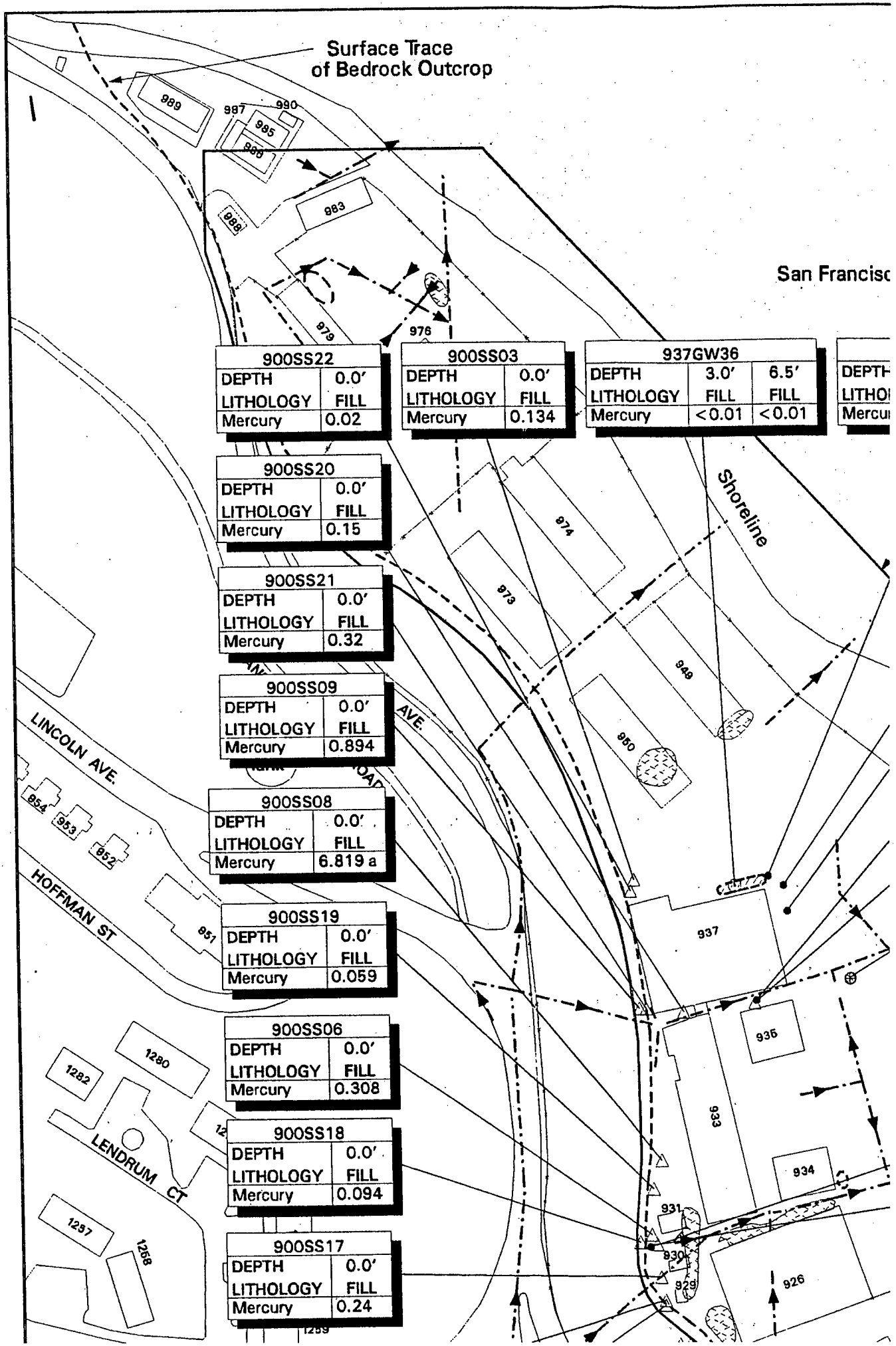


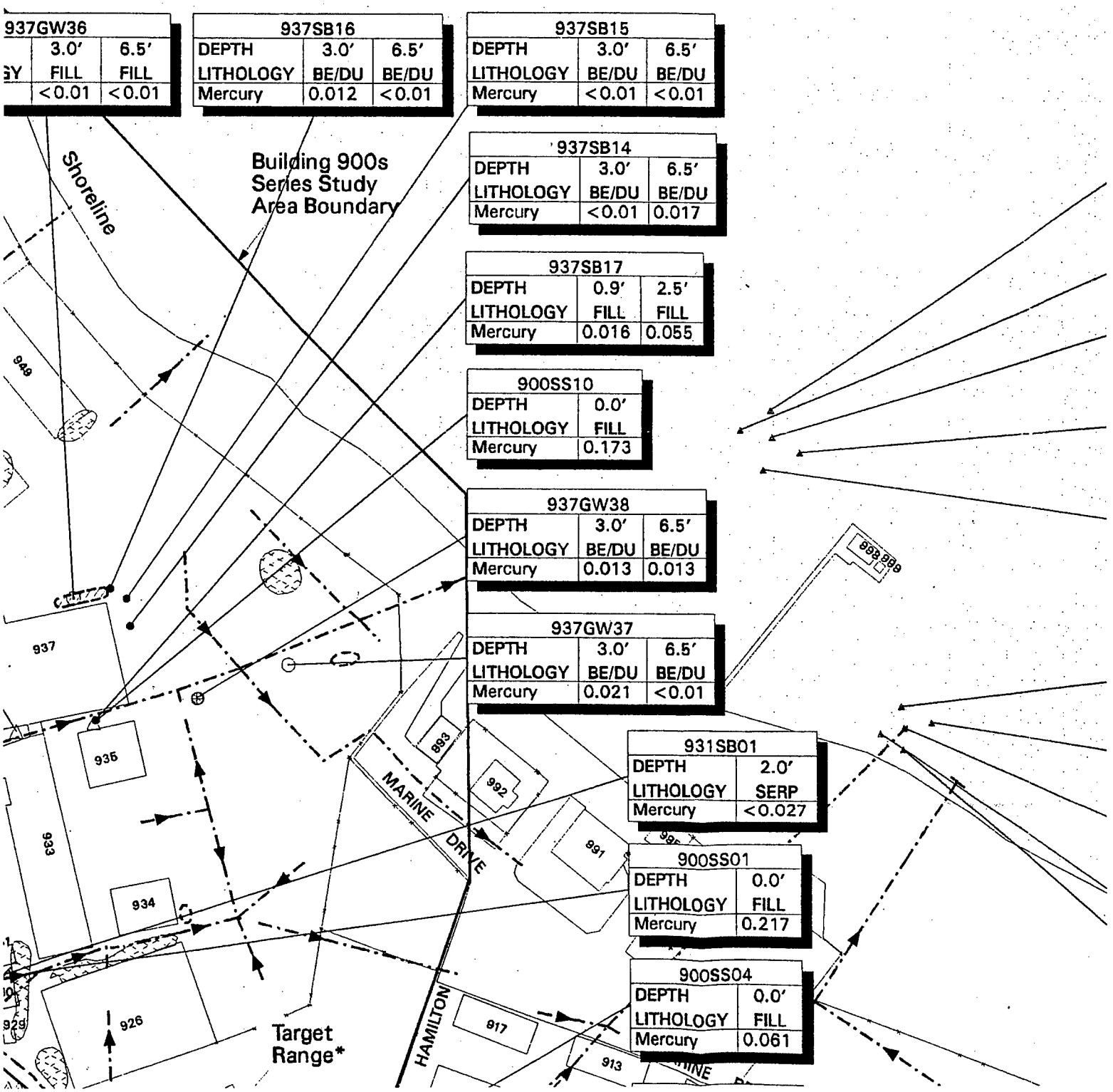
DAMES & MOORE

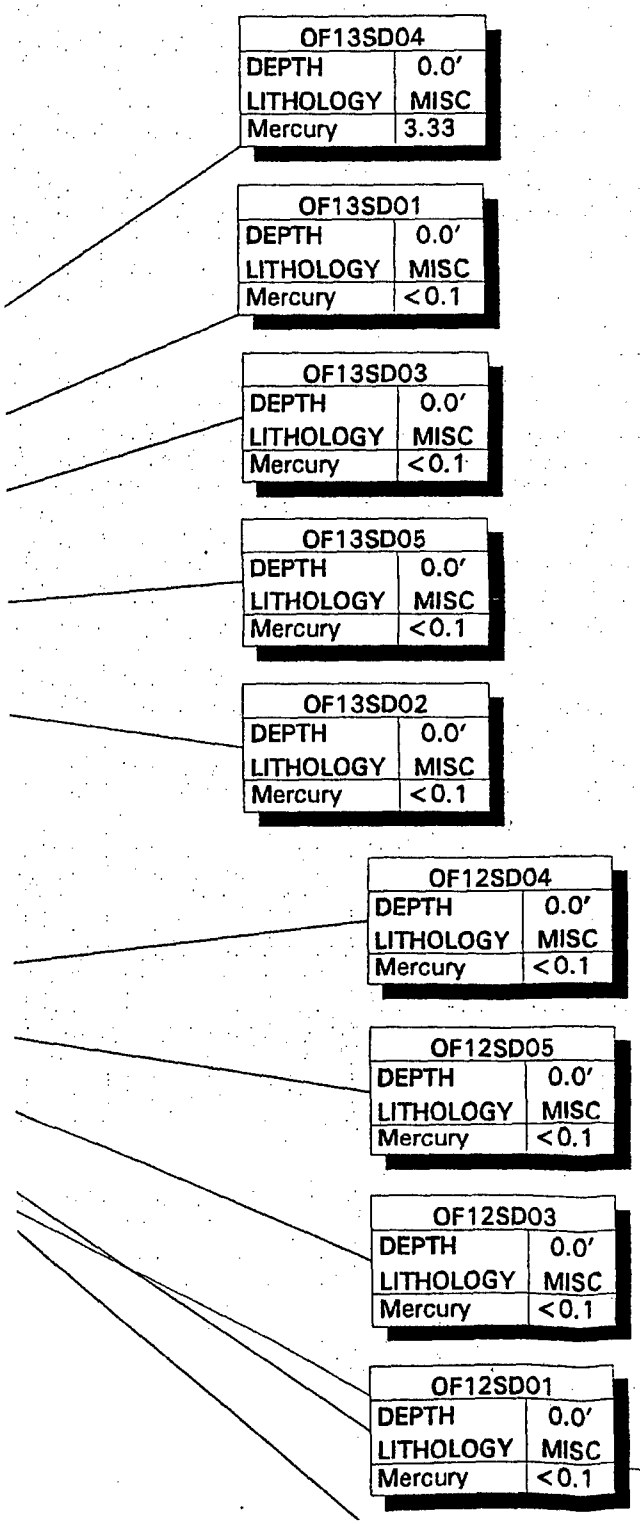
BUILDING 900S SERIES STUDY AREA
VEHICLE MAINTENANCE AREA
CONCENTRATIONS OF MANGANESE IN SOIL

PSF26253

Date: January 1997 | Figure 6.5-8


Surface Trace
of Bedrock Outcrop
San Francisc
900SS22
DEPTH 0.0′
LITHOLOGY FILL
Mercury 0.02
900SS03
DEPTH 0.0′
LITHOLOGY FILL
Mercury 0.134
937GW36
DEPTH 3.0′ 6.5′
LITHOLOGY FILL FILL
Mercury <0.01 <0.01
900SS20
DEPTH 0.0′
LITHOLOGY FILL
Mercury 0.15
900SS21
DEPTH 0.0′
LITHOLOGY FILL
Mercury 0.32
900SS09
DEPTH 0.0′
LITHOLOGY FILL
Mercury 0.894
900SS08
DEPTH 0.0′
LITHOLOGY FILL
Mercury 6.819 a
900SS19
DEPTH 0.0′
LITHOLOGY FILL
Mercury 0.059
900SS06
DEPTH 0.0′
LITHOLOGY FILL
Mercury 0.308
900SS18
DEPTH 0.0′
LITHOLOGY FILL
Mercury 0.094
900SS17
DEPTH 0.0′
LITHOLOGY FILL
Mercury 0.24
Shoreline
LINCOLN AVE.
HOFFMAN ST
LENDRUM CT
989
987
990
985
986
988
983
979
976
974
973
949
950
937
935
933
934
931
930
929
926
954
953
952
857
1280
1282
1297
1268
1259


San Francisco Bay
937GW36
3.0' FILL
6.5' FILL
<0.01
<0.01
937SB16
DEPTH
LITHOLOGY
Mercury
3.0' BE/DU
6.5' BE/DU
0.012
<0.01
937SB15
DEPTH
LITHOLOGY
Mercury
3.0' BE/DU
6.5' BE/DU
<0.01
<0.01
937SB14
DEPTH
LITHOLOGY
Mercury
3.0' BE/DU
6.5' BE/DU
<0.01
0.017
937SB17
DEPTH
LITHOLOGY
Mercury
0.9' FILL
2.5' FILL
0.016
0.055
900SS10
DEPTH
LITHOLOGY
Mercury
0.0' FILL
0.173
937GW38
DEPTH
LITHOLOGY
Mercury
3.0' BE/DU
6.5' BE/DU
0.013
0.013
937GW37
DEPTH
LITHOLOGY
Mercury
3.0' BE/DU
6.5' BE/DU
0.021
<0.01
931SB01
DEPTH
LITHOLOGY
Mercury
2.0' SERP
<0.027
900SS01
DEPTH
LITHOLOGY
Mercury
0.0' FILL
0.217
900SS04
DEPTH
LITHOLOGY
Mercury
0.0' FILL
0.061
Shoreline
Building 900s Series Study Area Boundary
MARINE DRIVE
HAMILTON
Target Range*
937
935
933
934
926
949
893
992
891
917
913



EXPLANATION

- ESAP SEDIMENT SAMPLE
- SURFACE SOIL SAMPLE
- SOIL BORING
- SHALLOW MONITORING WELL WITH SOIL SAMPLES
- DEEP MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STORM DRAIN WITH FLOW DIRECTION
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

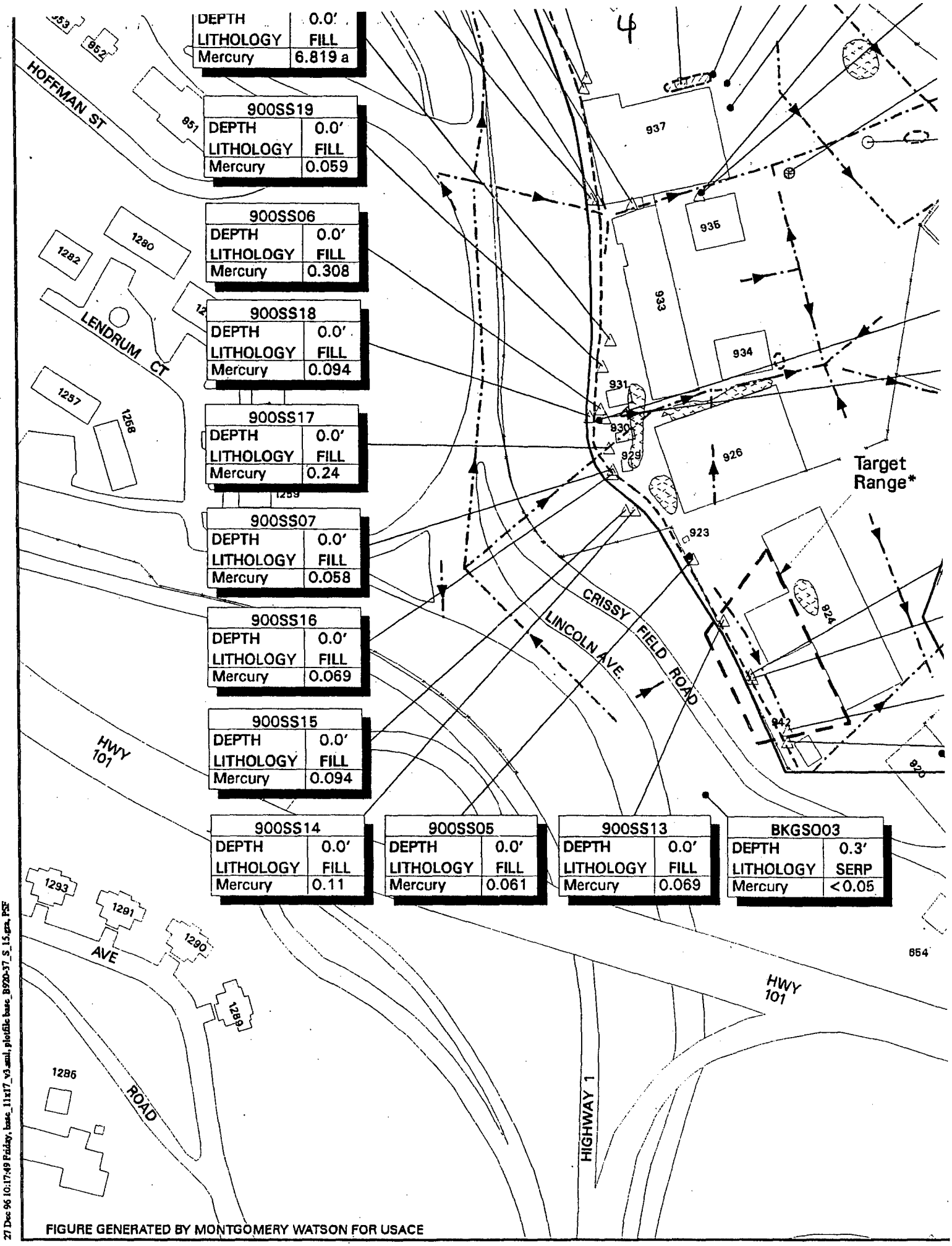
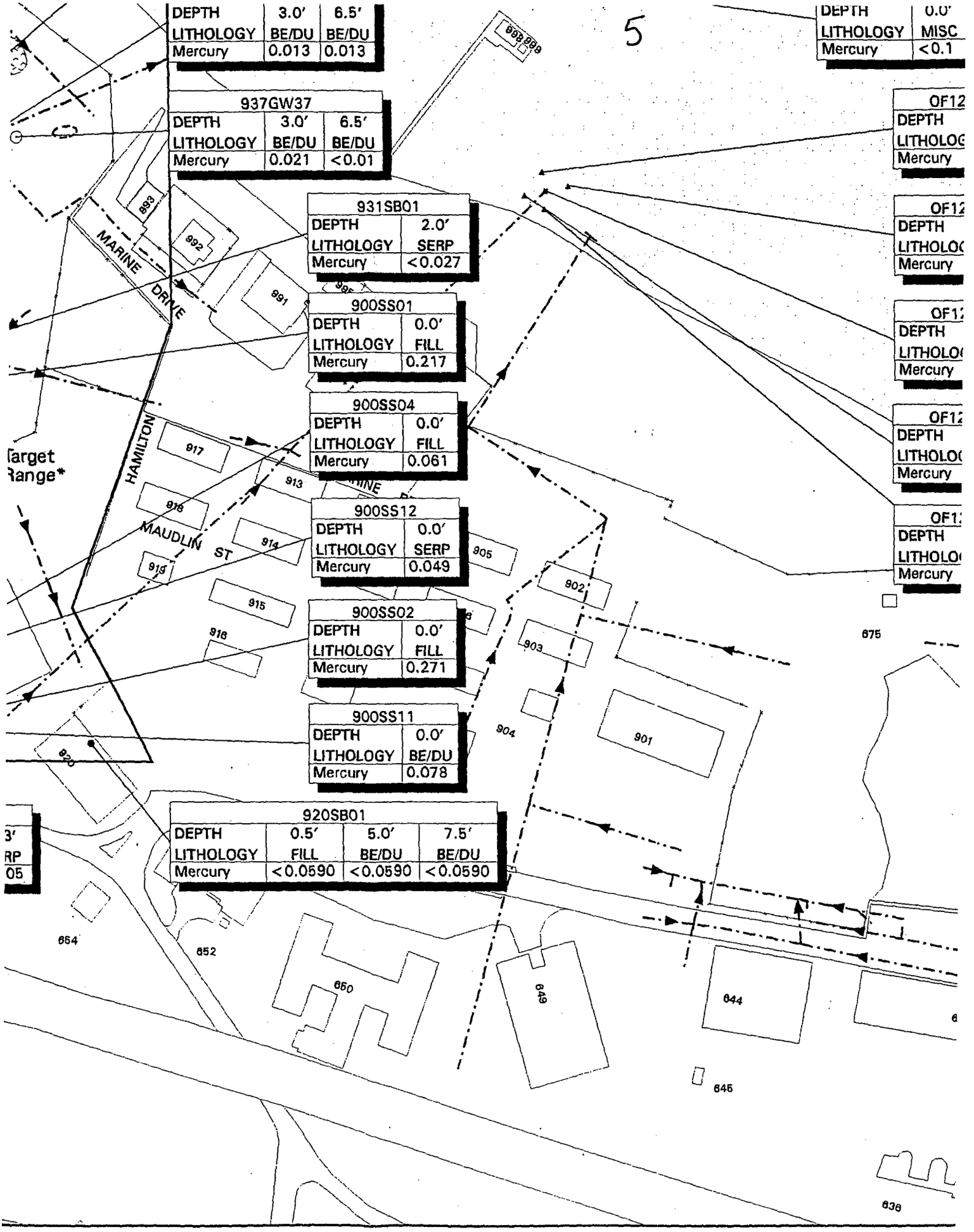
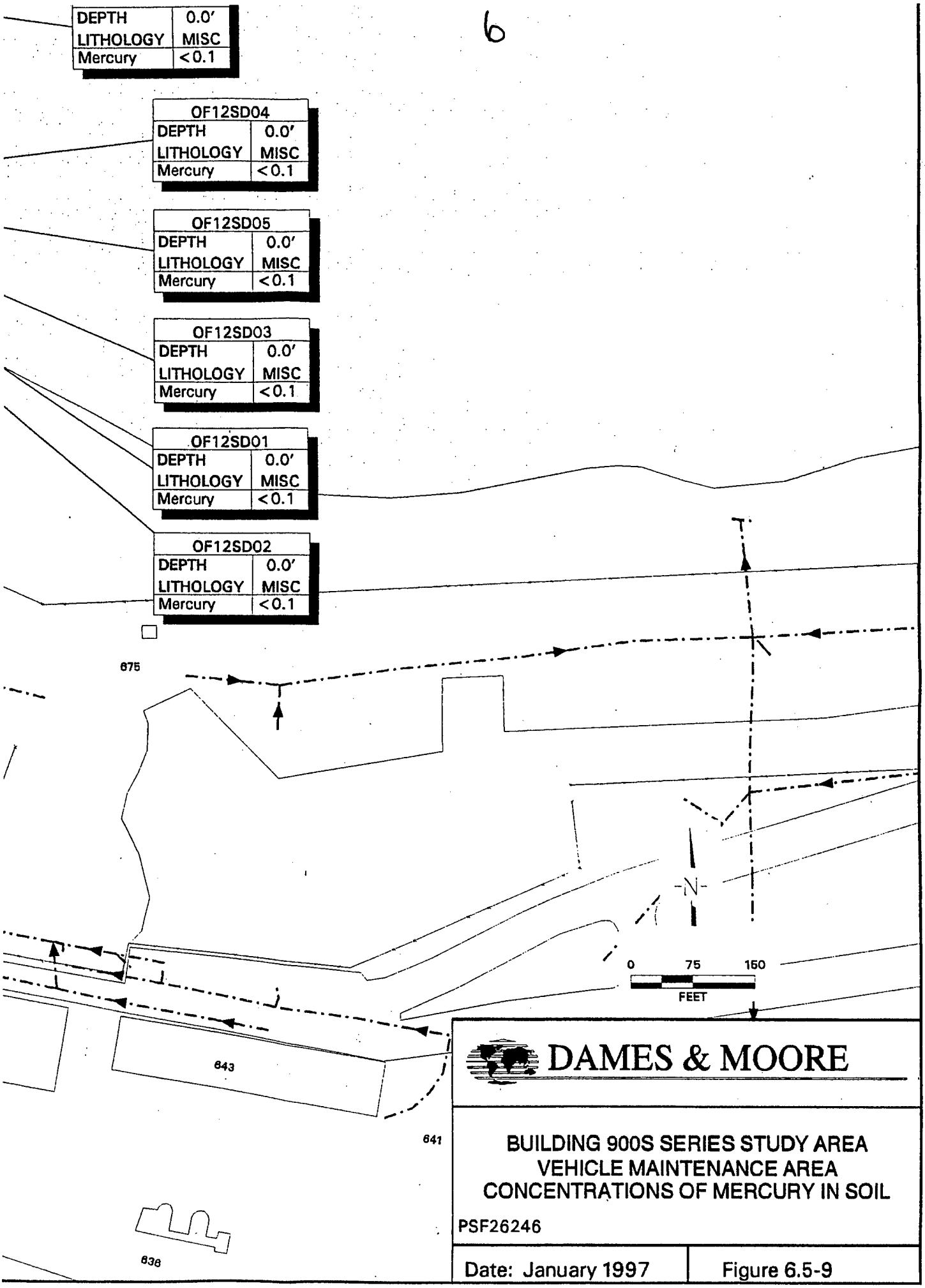


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

27 Dec 96 10:17:49 Friday, base_11x17_v3.mxl, plotfile base_8920-37_S_15.grn, PSF


DEPTH 3.0′ 6.5′
LITHOLOGY BE/DU BE/DU
Mercury 0.013 0.013
937GW37
DEPTH 3.0′ 6.5′
LITHOLOGY BE/DU BE/DU
Mercury 0.021 <0.01
931SB01
DEPTH 2.0′
LITHOLOGY SERP
Mercury <0.027
900SS01
DEPTH 0.0′
LITHOLOGY FILL
Mercury 0.217
900SS04
DEPTH 0.0′
LITHOLOGY FILL
Mercury 0.061
900SS12
DEPTH 0.0′
LITHOLOGY SERP
Mercury 0.049
900SS02
DEPTH 0.0′
LITHOLOGY FILL
Mercury 0.271
900SS11
DEPTH 0.0′
LITHOLOGY BE/DU
Mercury 0.078
920SB01
DEPTH 0.5′ 5.0′ 7.5′
LITHOLOGY FILL BE/DU BE/DU
Mercury <0.0590 <0.0590 <0.0590
DEPTH 0.0′
LITHOLOGY MISC
Mercury <0.1
MARINE DRIVE
HAMILTON
MAUDLIN ST
Target Range*
998
993
992
991
917
916
915
914
913
905
902
903
904
901
920
675
654
652
650
649
644
645
636

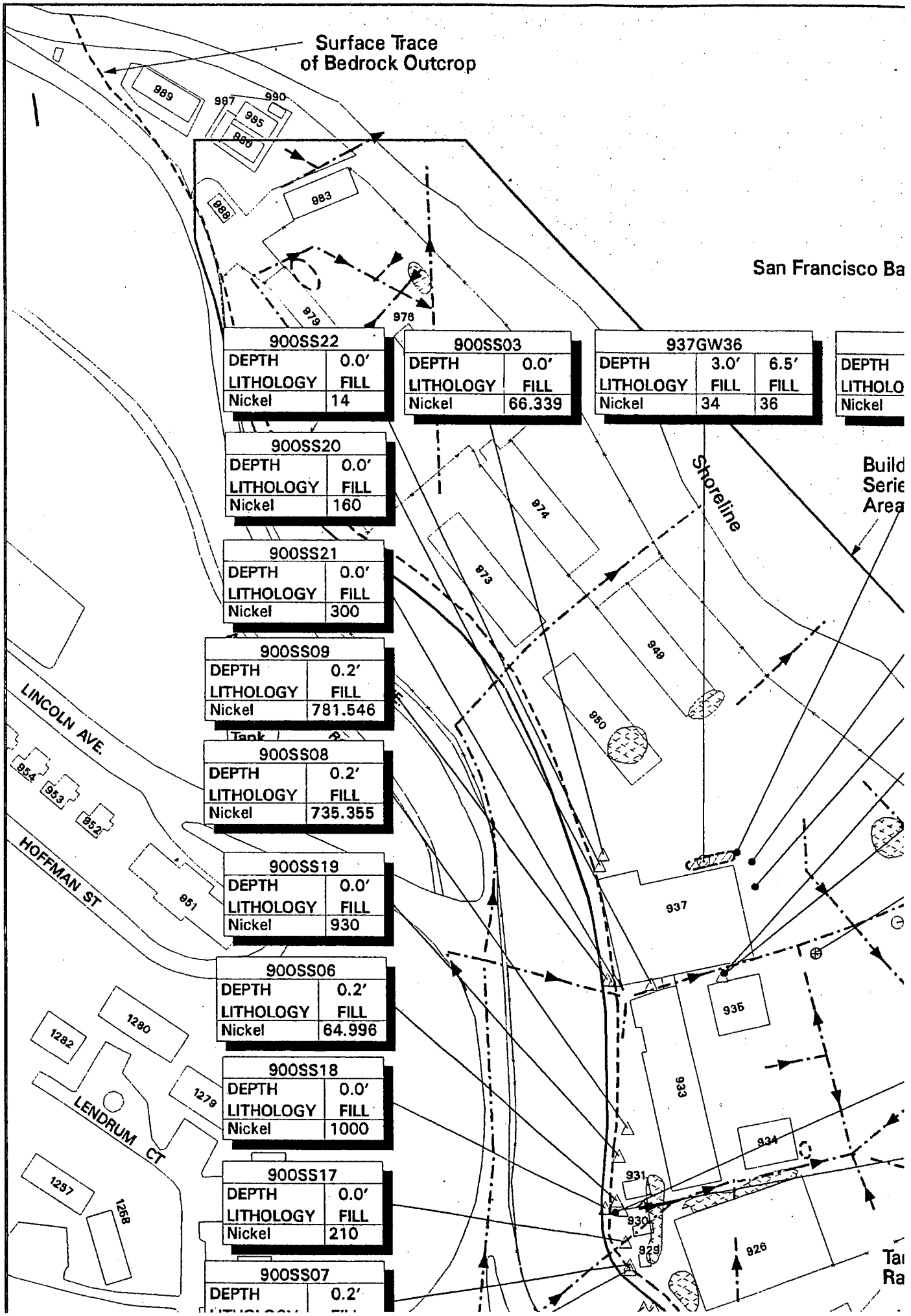


DAMES & MOORE

BUILDING 900S SERIES STUDY AREA
VEHICLE MAINTENANCE AREA
CONCENTRATIONS OF MERCURY IN SOIL

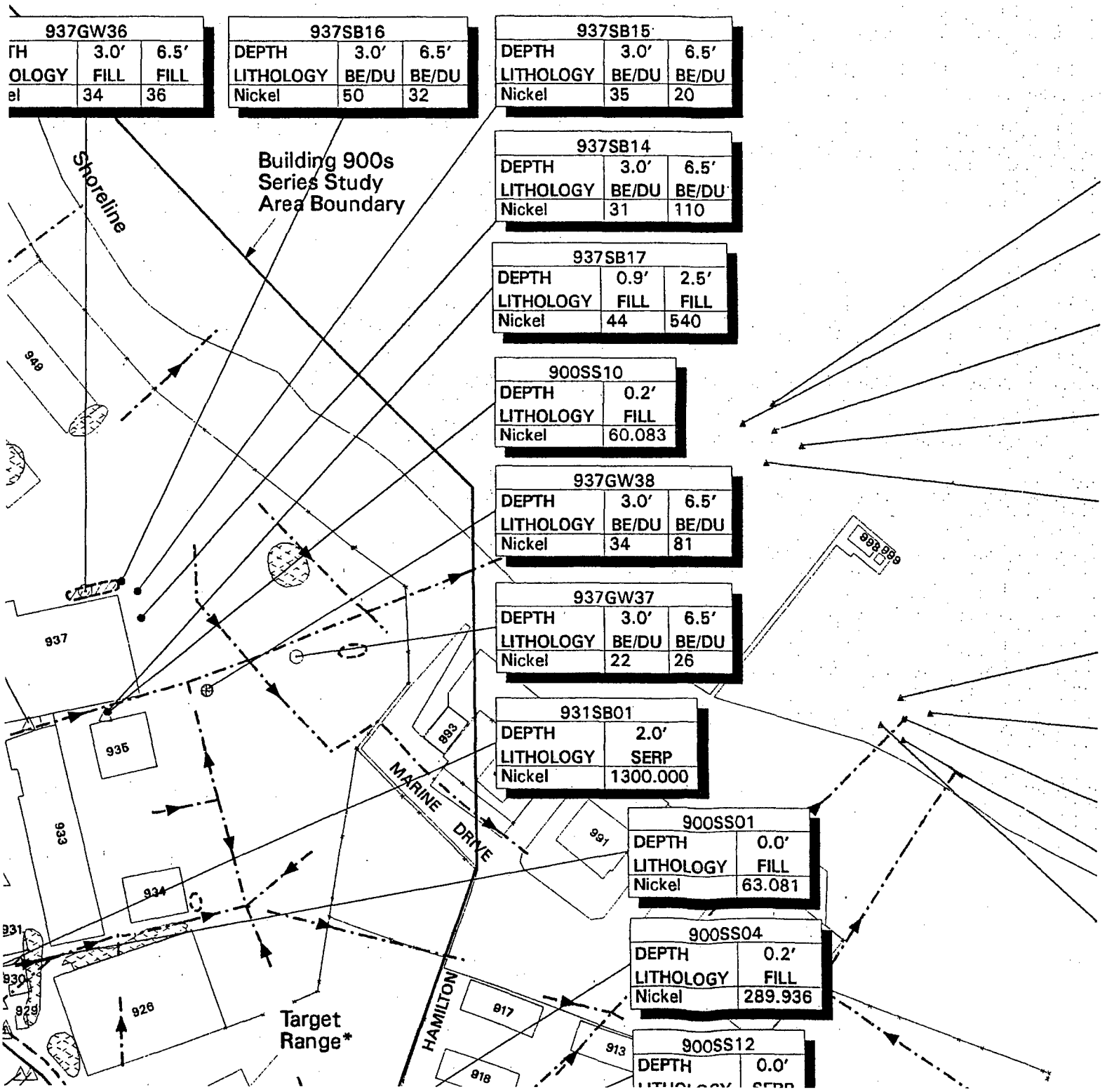
PSF26246

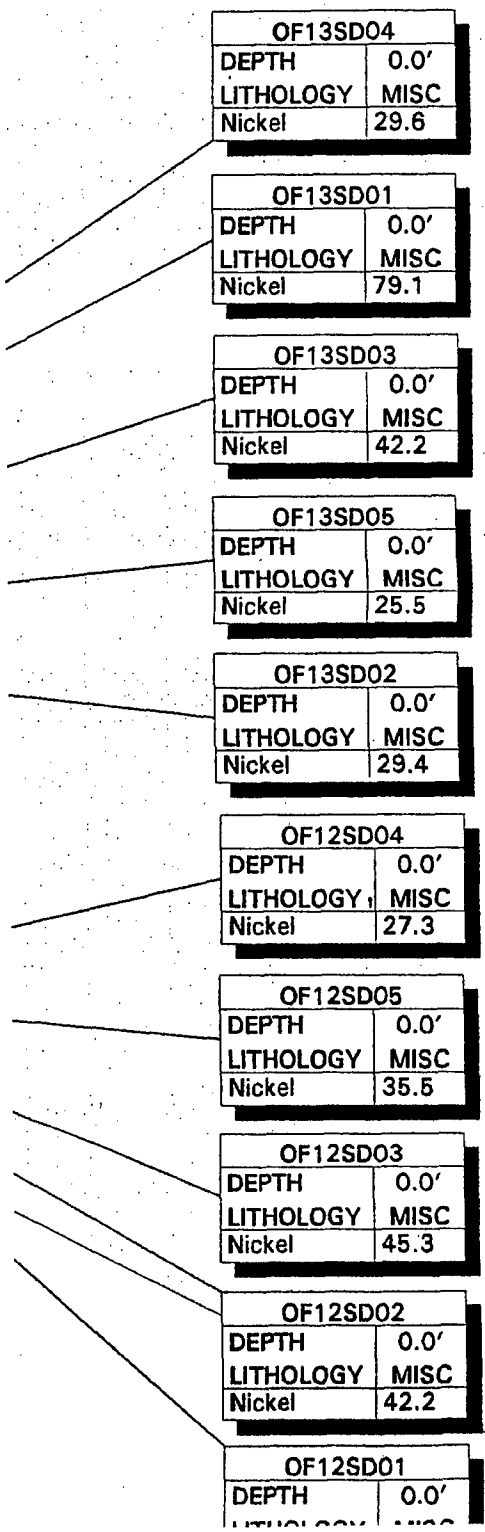
Date: January 1997 | Figure 6.5-9


Surface Trace
of Bedrock Outcrop
San Francisco Ba
Shoreline
Build
Serie
Area
900SS22
DEPTH 0.0′
LITHOLOGY FILL
Nickel 14
900SS03
DEPTH 0.0′
LITHOLOGY FILL
Nickel 66.339
937GW36
DEPTH 3.0′ 6.5′
LITHOLOGY FILL FILL
Nickel 34 36
900SS20
DEPTH 0.0′
LITHOLOGY FILL
Nickel 160
900SS21
DEPTH 0.0′
LITHOLOGY FILL
Nickel 300
900SS09
DEPTH 0.2′
LITHOLOGY FILL
Nickel 781.546
900SS08
DEPTH 0.2′
LITHOLOGY FILL
Nickel 735.355
900SS19
DEPTH 0.0′
LITHOLOGY FILL
Nickel 930
900SS06
DEPTH 0.2′
LITHOLOGY FILL
Nickel 64.996
900SS18
DEPTH 0.0′
LITHOLOGY FILL
Nickel 1000
900SS17
DEPTH 0.0′
LITHOLOGY FILL
Nickel 210
900SS07
DEPTH 0.2′
LINCOLN AVE.
HOFFMAN ST
LENDRUM CT
989
997
990
985
980
983
988
979
976
974
973
949
950
954
953
952
951
1280
1282
1279
1237
1268
937
935
933
934
931
930
929
926

2

San Francisco Bay





EXPLANATION

- ESAP SEDIMENT SAMPLE
- SURFACE SOIL SAMPLE
- SOIL BORING
- SHALLOW MONITORING WELL WITH SOIL SAMPLES
- DEEP MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STORM DRAIN WITH FLOW DIRECTION
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

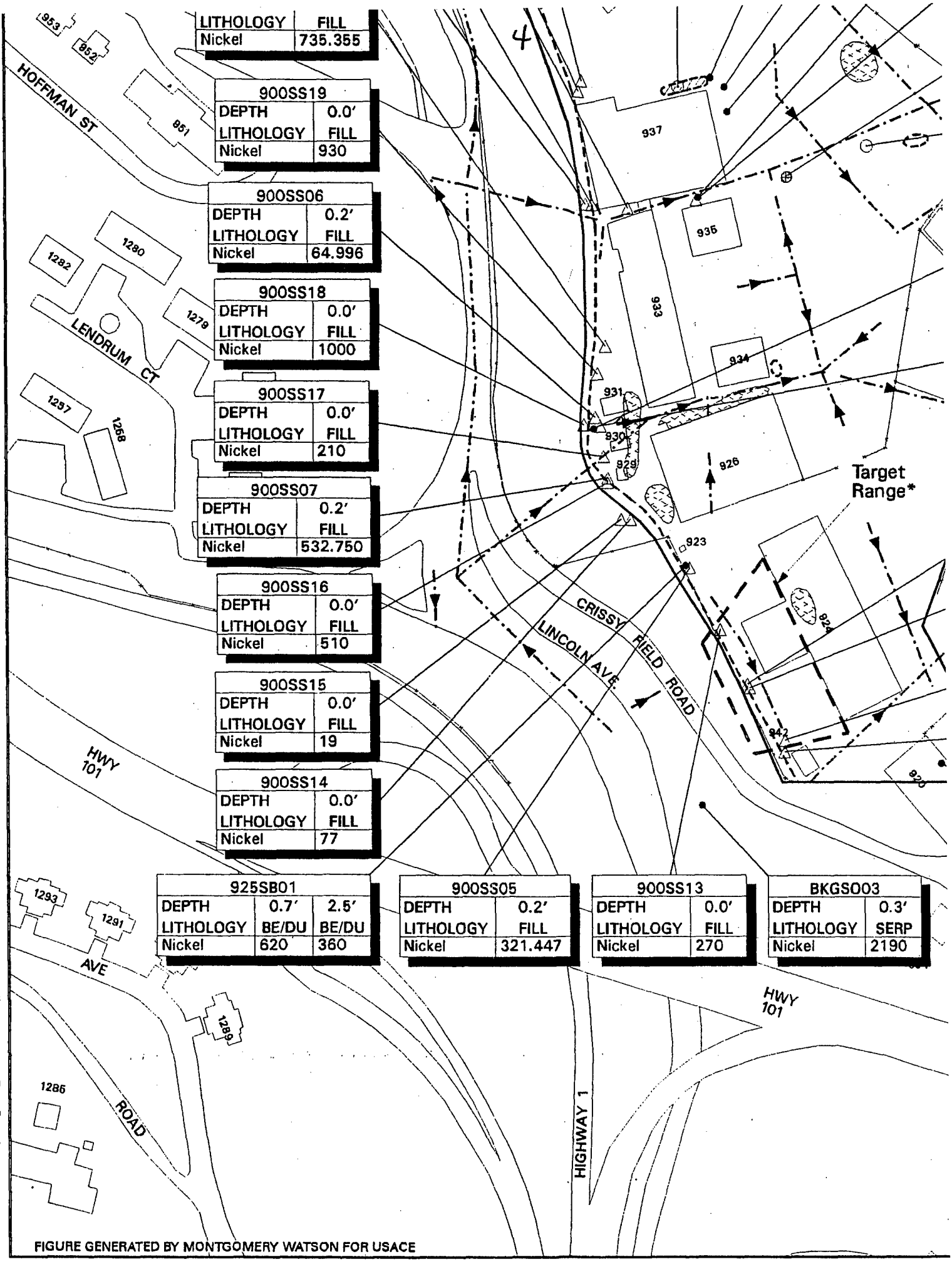
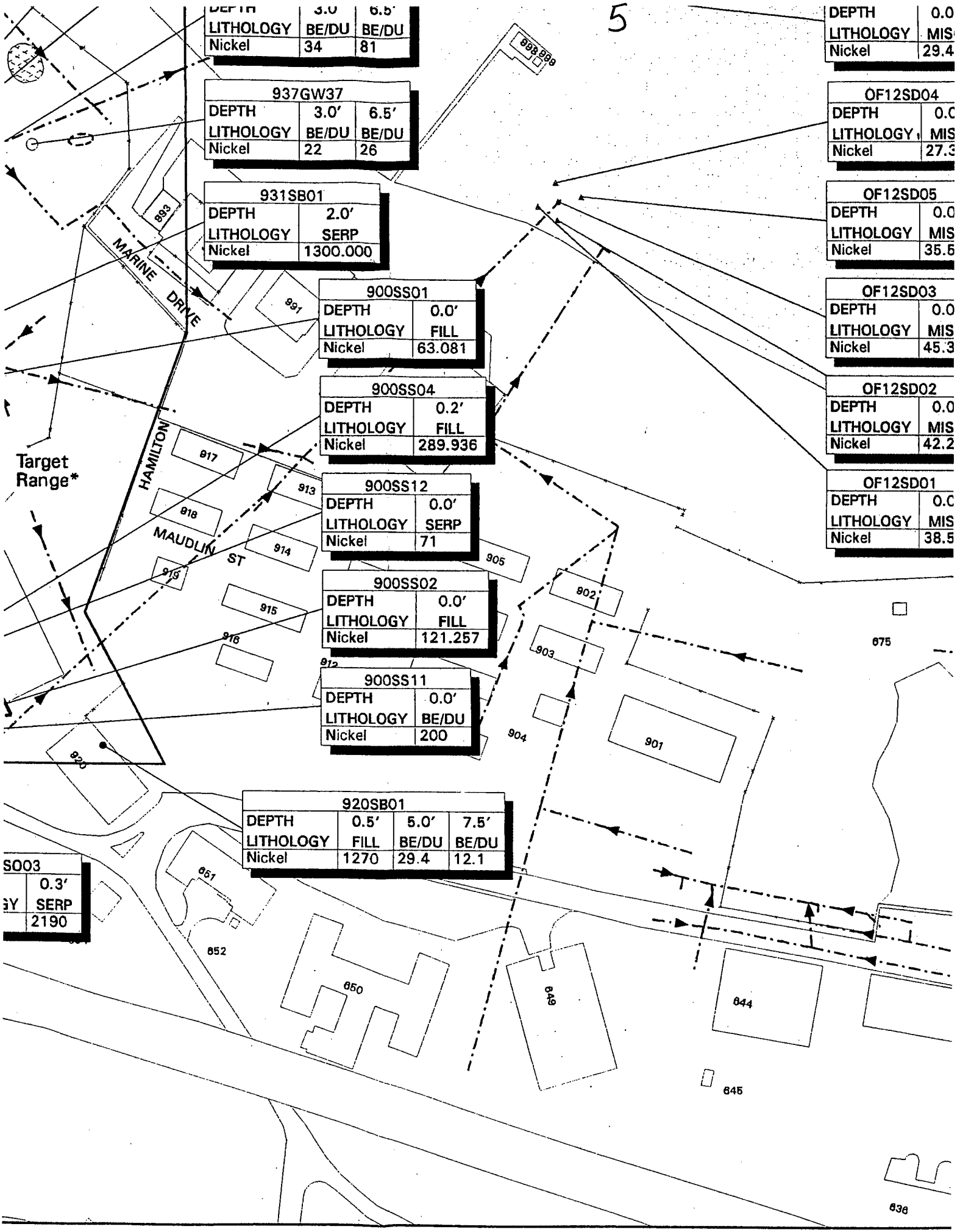
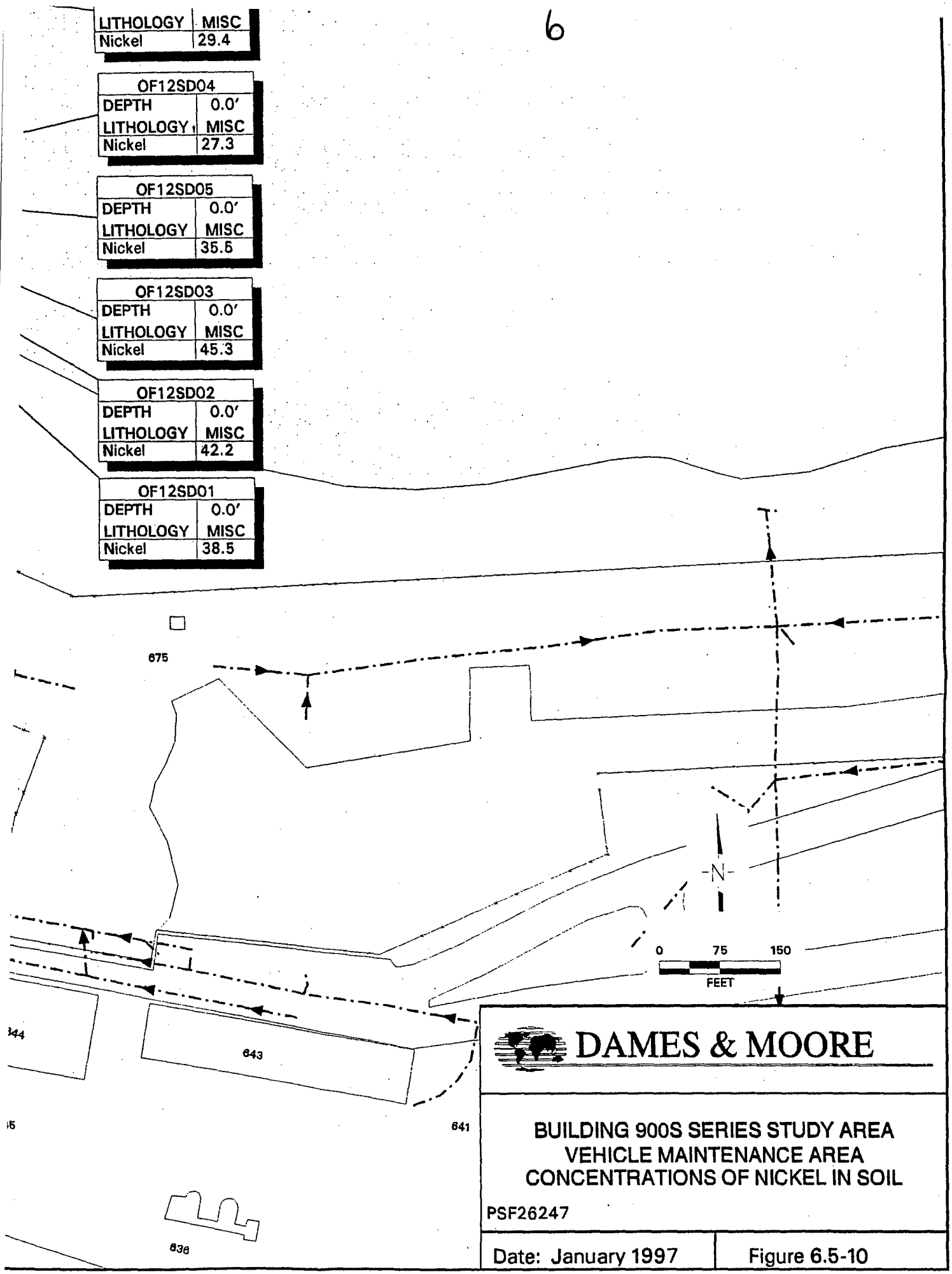


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

26 Dec 96 12:02:48 Thursday, base_11x17_v3.aml, plotfile base_B920-37_S_16.gra, PSF


DEPTH 3.0 6.5
LITHOLOGY BE/DU BE/DU
Nickel 34 81
937GW37
DEPTH 3.0' 6.5'
LITHOLOGY BE/DU BE/DU
Nickel 22 26
931SB01
DEPTH 2.0'
LITHOLOGY SERP
Nickel 1300.000
900SS01
DEPTH 0.0'
LITHOLOGY FILL
Nickel 63.081
900SS04
DEPTH 0.2'
LITHOLOGY FILL
Nickel 289.936
900SS12
DEPTH 0.0'
LITHOLOGY SERP
Nickel 71
900SS02
DEPTH 0.0'
LITHOLOGY FILL
Nickel 121.257
900SS11
DEPTH 0.0'
LITHOLOGY BE/DU
Nickel 200
920SB01
DEPTH 0.5' 5.0' 7.5'
LITHOLOGY FILL BE/DU BE/DU
Nickel 1270 29.4 12.1
SO03
0.3'
SERP
2190
DEPTH 0.0
LITHOLOGY MIS
Nickel 29.4
OF12SD04
DEPTH 0.0
LITHOLOGY MIS
Nickel 27.3
OF12SD05
DEPTH 0.0
LITHOLOGY MIS
Nickel 35.6
OF12SD03
DEPTH 0.0
LITHOLOGY MIS
Nickel 45.3
OF12SD02
DEPTH 0.0
LITHOLOGY MIS
Nickel 42.2
OF12SD01
DEPTH 0.0
LITHOLOGY MIS
Nickel 38.5
MARINE DRIVE
HAMILTON
MAUDLIN ST
Target Range*
888 889
893
931
917
913
918
914
919
915
916
912
905
902
903
904
901
920
675
661
652
650
649
644
645
636

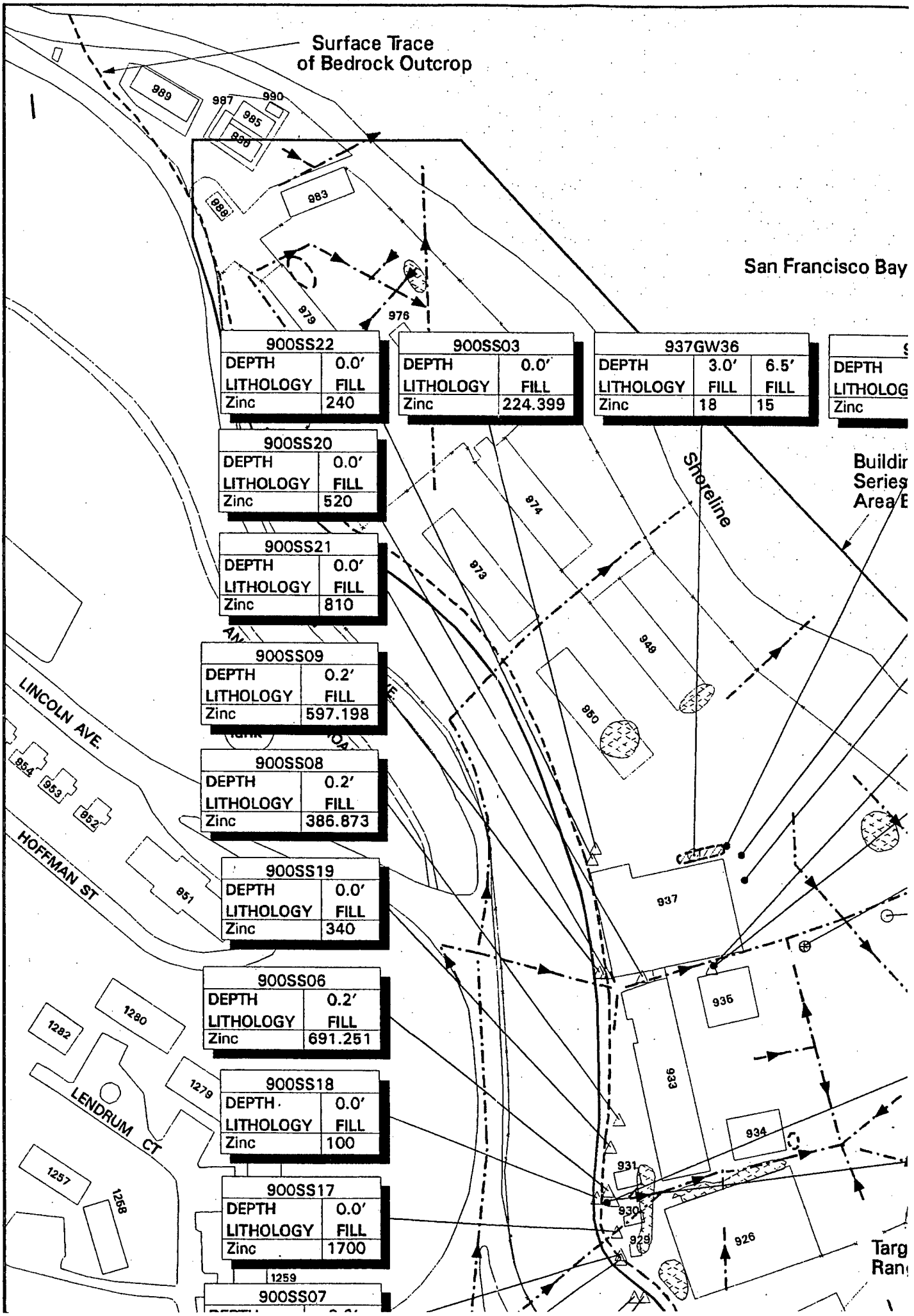


DAMES & MOORE

BUILDING 900S SERIES STUDY AREA
VEHICLE MAINTENANCE AREA
CONCENTRATIONS OF NICKEL IN SOIL

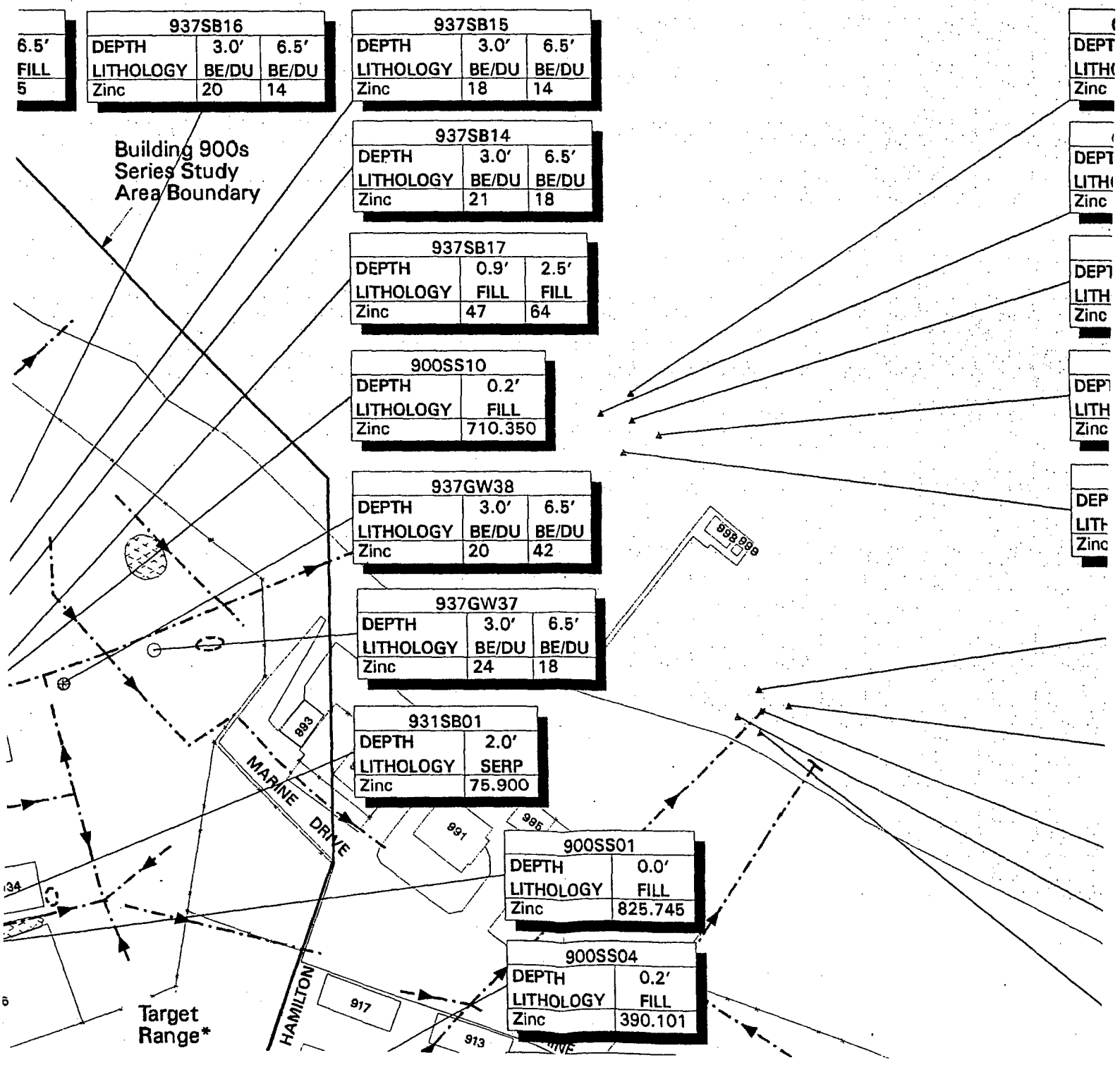
PSF26247

Date: January 1997 | Figure 6.5-10

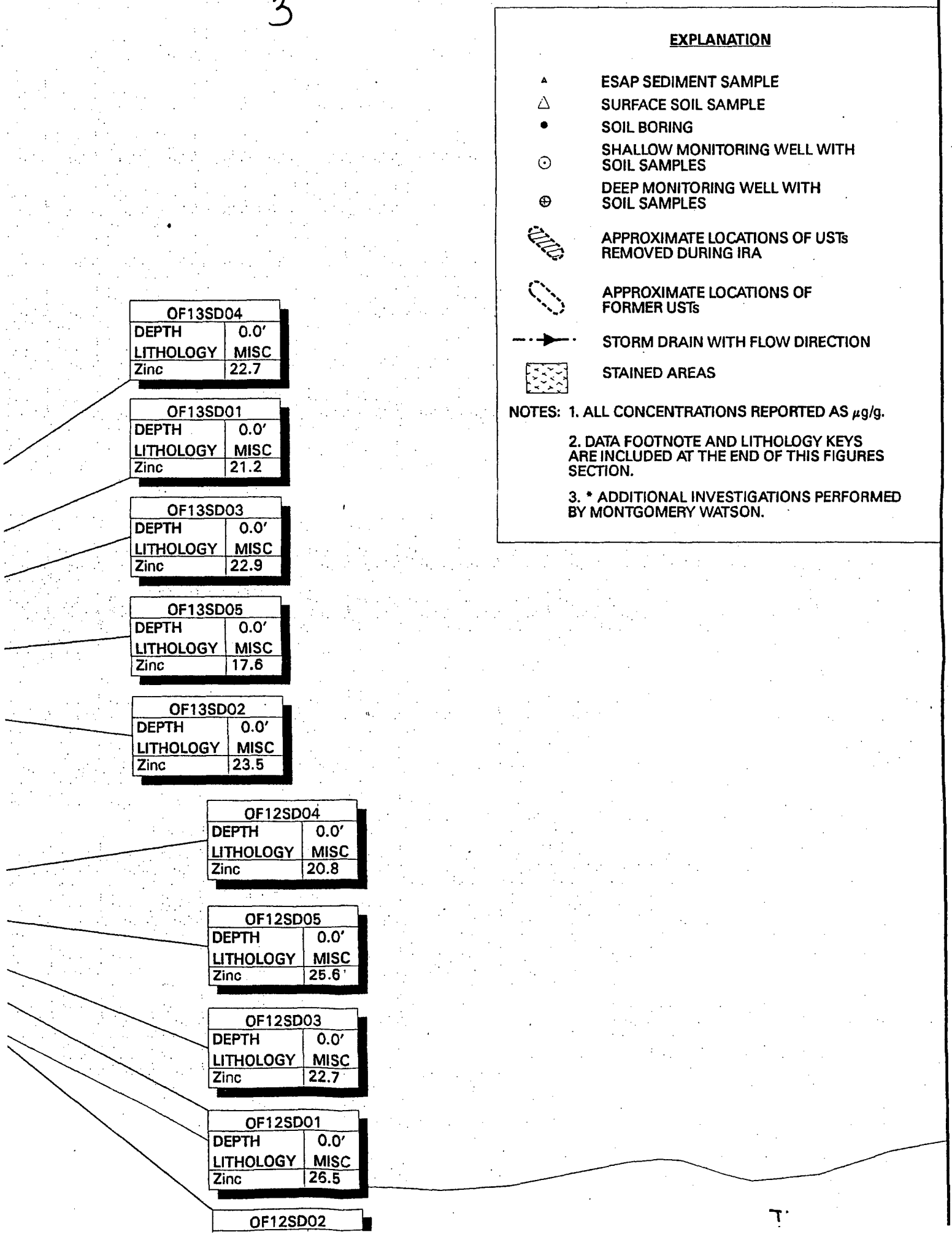

Surface Trace
of Bedrock Outcrop
San Francisco Bay
Shoreline
LINCOLN AVE.
HOFFMAN ST
LENDRUM CT
989
987
990
985
986
988
983
979
976
974
973
949
950
937
935
933
934
931
930
929
926
954
953
952
851
1280
1282
1279
1257
1258
1259
900SS22
DEPTH 0.0′
LITHOLOGY FILL
Zinc 240
900SS03
DEPTH 0.0′
LITHOLOGY FILL
Zinc 224.399
937GW36
DEPTH 3.0′ 6.5′
LITHOLOGY FILL FILL
Zinc 18 15
900SS20
DEPTH 0.0′
LITHOLOGY FILL
Zinc 520
900SS21
DEPTH 0.0′
LITHOLOGY FILL
Zinc 810
900SS09
DEPTH 0.2′
LITHOLOGY FILL
Zinc 597.198
900SS08
DEPTH 0.2′
LITHOLOGY FILL
Zinc 386.873
900SS19
DEPTH 0.0′
LITHOLOGY FILL
Zinc 340
900SS06
DEPTH 0.2′
LITHOLOGY FILL
Zinc 691.251
900SS18
DEPTH 0.0′
LITHOLOGY FILL
Zinc 100
900SS17
DEPTH 0.0′
LITHOLOGY FILL
Zinc 1700
900SS07

2

n Francisco Bay



3


EXPLANATION
ESAP SEDIMENT SAMPLE
SURFACE SOIL SAMPLE
SOIL BORING
SHALLOW MONITORING WELL WITH SOIL SAMPLES
DEEP MONITORING WELL WITH SOIL SAMPLES
APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
APPROXIMATE LOCATIONS OF FORMER USTs
STORM DRAIN WITH FLOW DIRECTION
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.
OF13SD04
DEPTH 0.0'
LITHOLOGY MISC
Zinc 22.7
OF13SD01
DEPTH 0.0'
LITHOLOGY MISC
Zinc 21.2
OF13SD03
DEPTH 0.0'
LITHOLOGY MISC
Zinc 22.9
OF13SD05
DEPTH 0.0'
LITHOLOGY MISC
Zinc 17.6
OF13SD02
DEPTH 0.0'
LITHOLOGY MISC
Zinc 23.5
OF12SD04
DEPTH 0.0'
LITHOLOGY MISC
Zinc 20.8
OF12SD05
DEPTH 0.0'
LITHOLOGY MISC
Zinc 25.6
OF12SD03
DEPTH 0.0'
LITHOLOGY MISC
Zinc 22.7
OF12SD01
DEPTH 0.0'
LITHOLOGY MISC
Zinc 26.5
OF12SD02

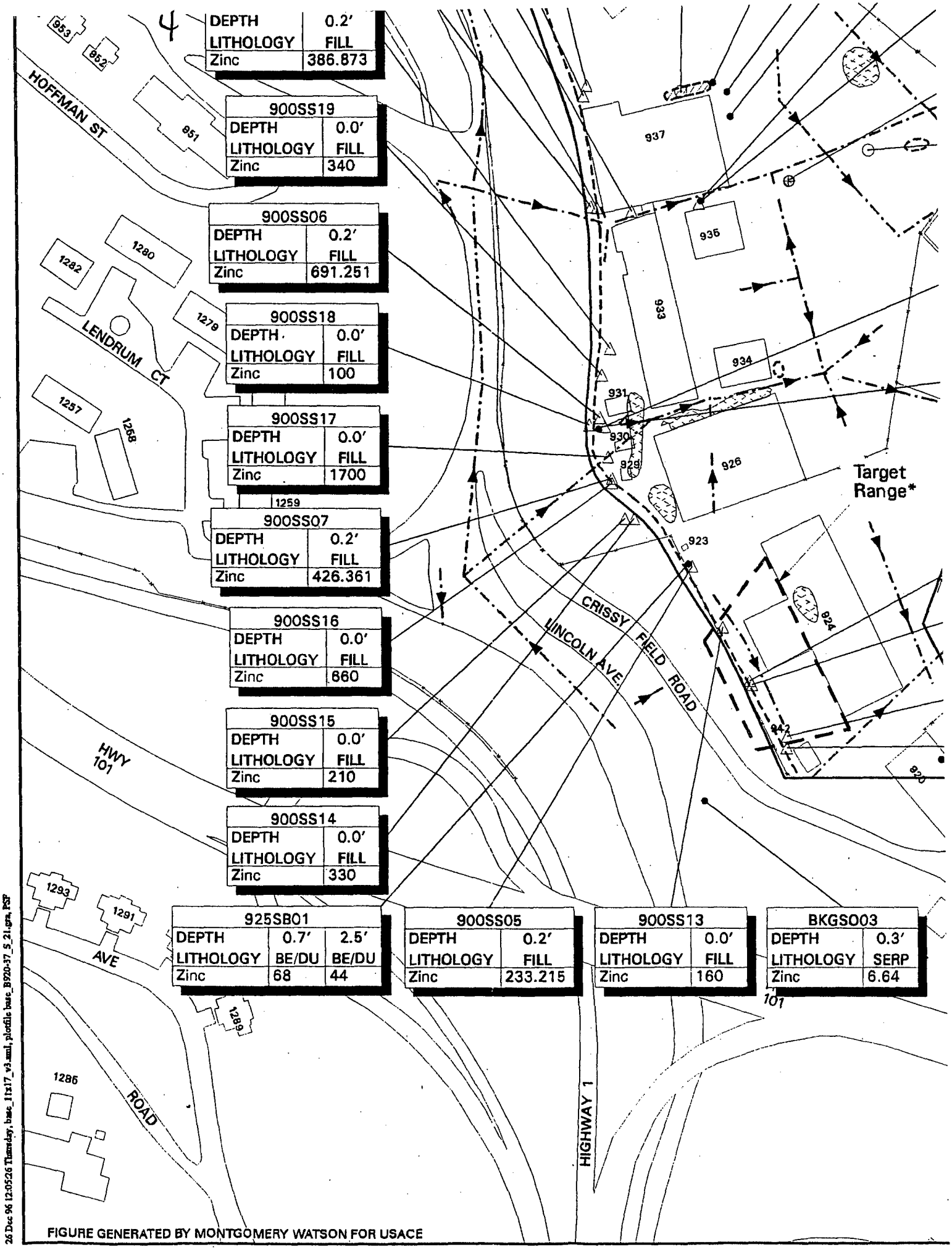
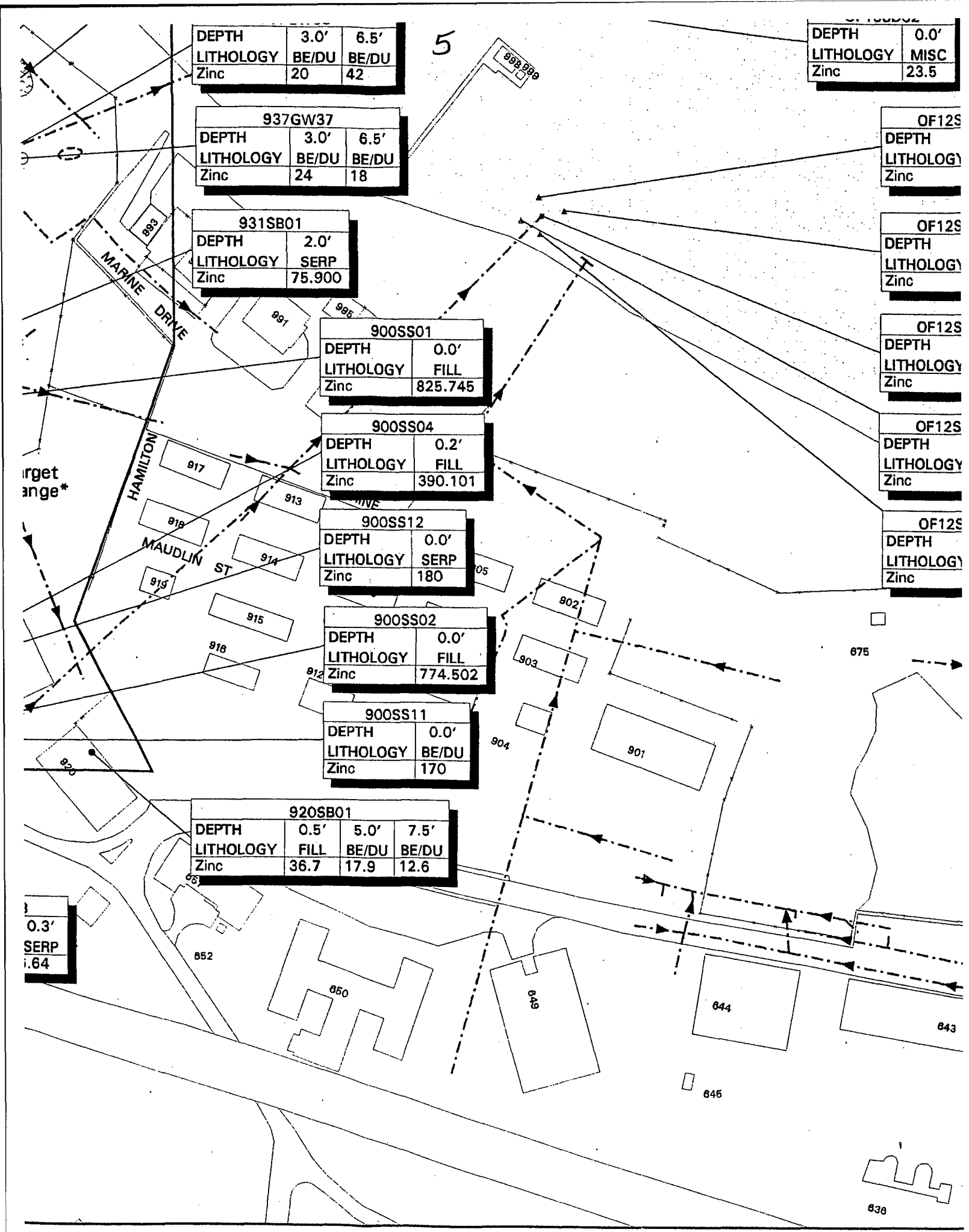
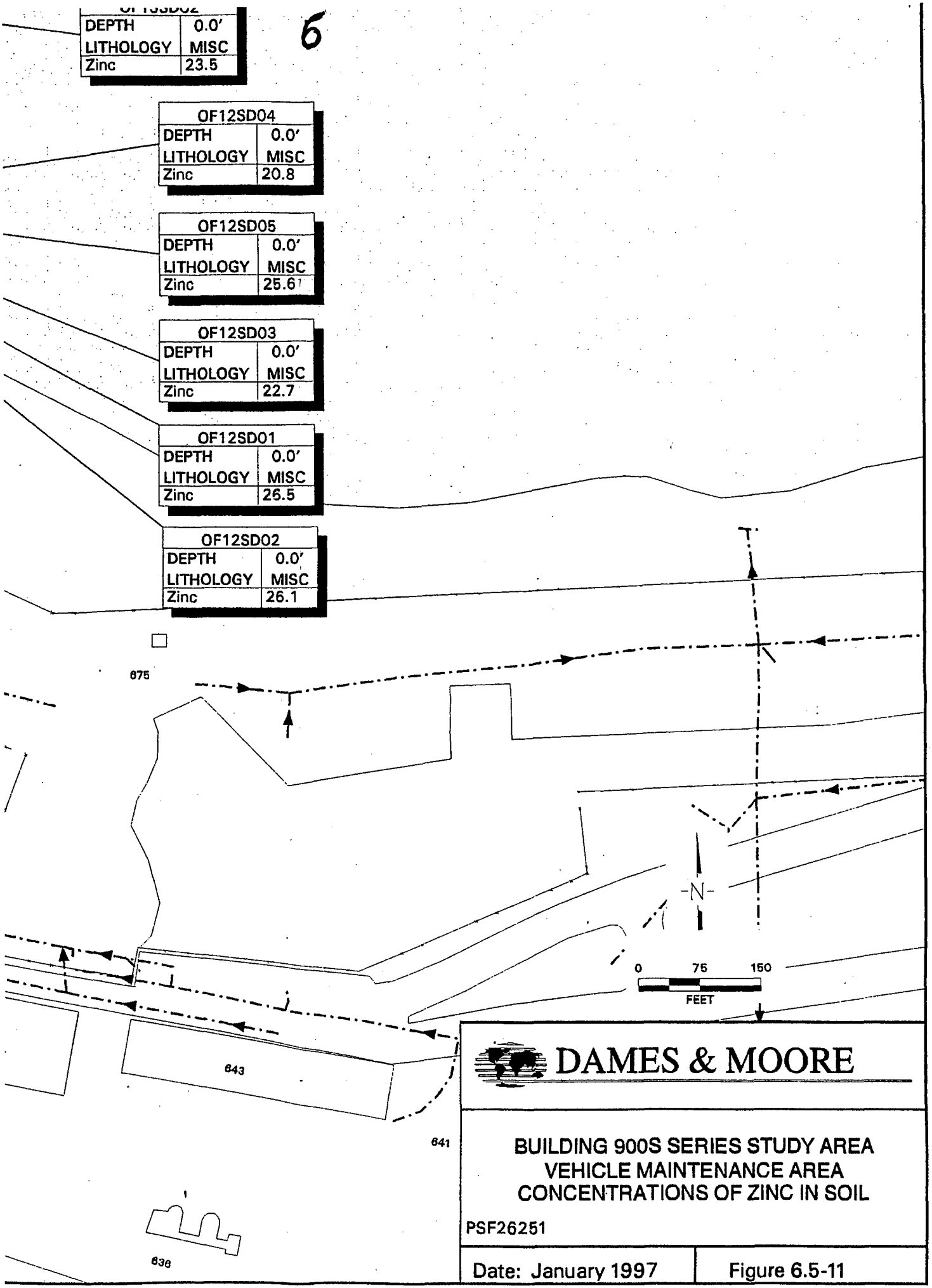


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

26 Dec 96 12:05:26 Thursday, base_11x17_v3.mxd, plotfile base_B920-37_S_21.grn, PSF


5
DEPTH | 3.0′ | 6.5′
LITHOLOGY | BE/DU | BE/DU
Zinc | 20 | 42
937GW37
DEPTH | 3.0′ | 6.5′
LITHOLOGY | BE/DU | BE/DU
Zinc | 24 | 18
931SB01
DEPTH | 2.0′
LITHOLOGY | SERP
Zinc | 75.900
900SS01
DEPTH | 0.0′
LITHOLOGY | FILL
Zinc | 825.745
900SS04
DEPTH | 0.2′
LITHOLOGY | FILL
Zinc | 390.101
900SS12
DEPTH | 0.0′
LITHOLOGY | SERP
Zinc | 180
900SS02
DEPTH | 0.0′
LITHOLOGY | FILL
Zinc | 774.502
900SS11
DEPTH | 0.0′
LITHOLOGY | BE/DU
Zinc | 170
920SB01
DEPTH | 0.5′ | 5.0′ | 7.5′
LITHOLOGY | FILL | BE/DU | BE/DU
Zinc | 36.7 | 17.9 | 12.6
DEPTH | 0.0′
LITHOLOGY | MISC
Zinc | 23.5
OF12S
DEPTH
LITHOLOGY
Zinc
MARINE DRIVE
HAMILTON
MAUDLIN ST
893
899
991
985
917
913
918
914
919
915
916
912
905
902
903
904
901
675
820
852
650
649
644
643
645
638

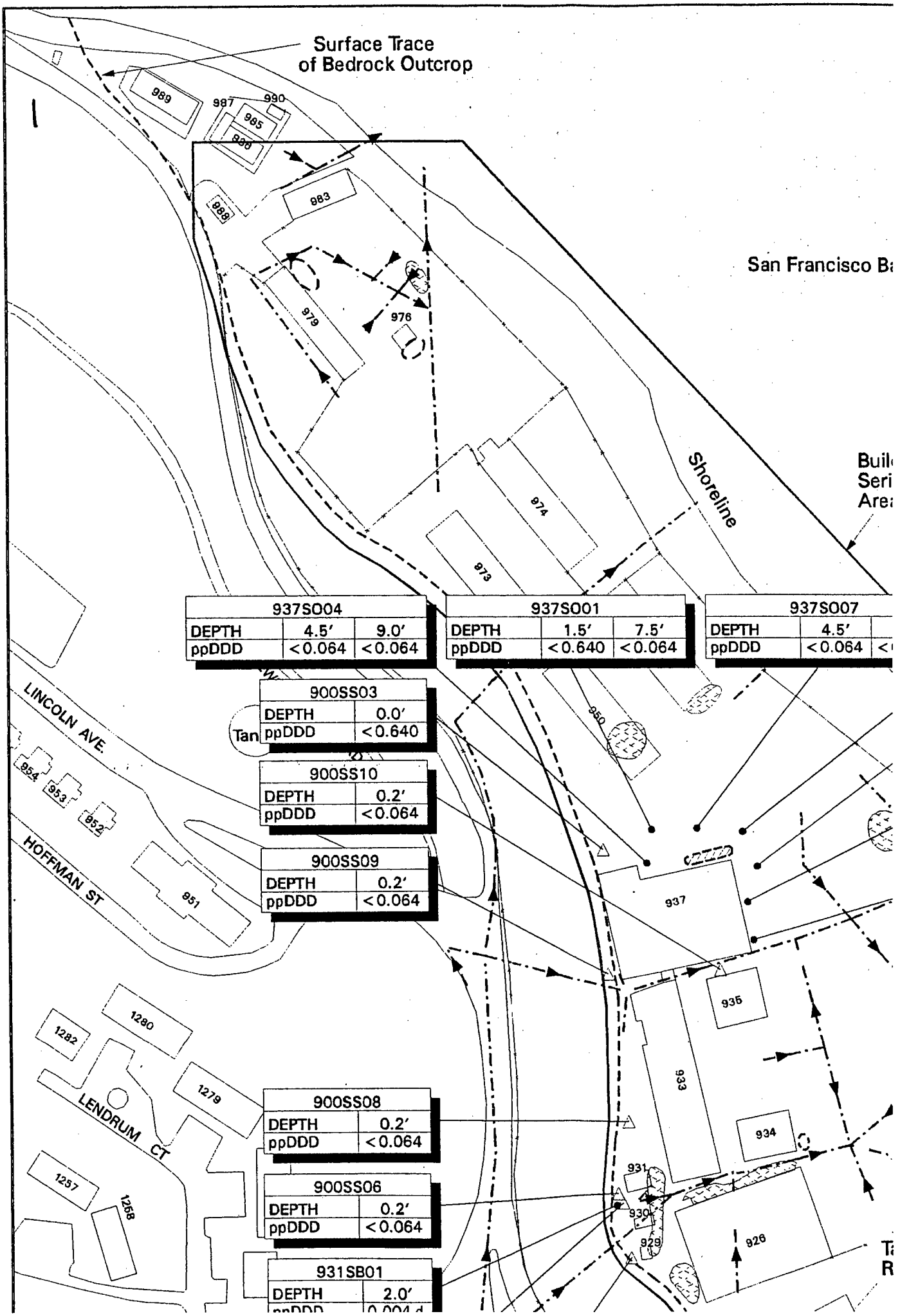


DAMES & MOORE

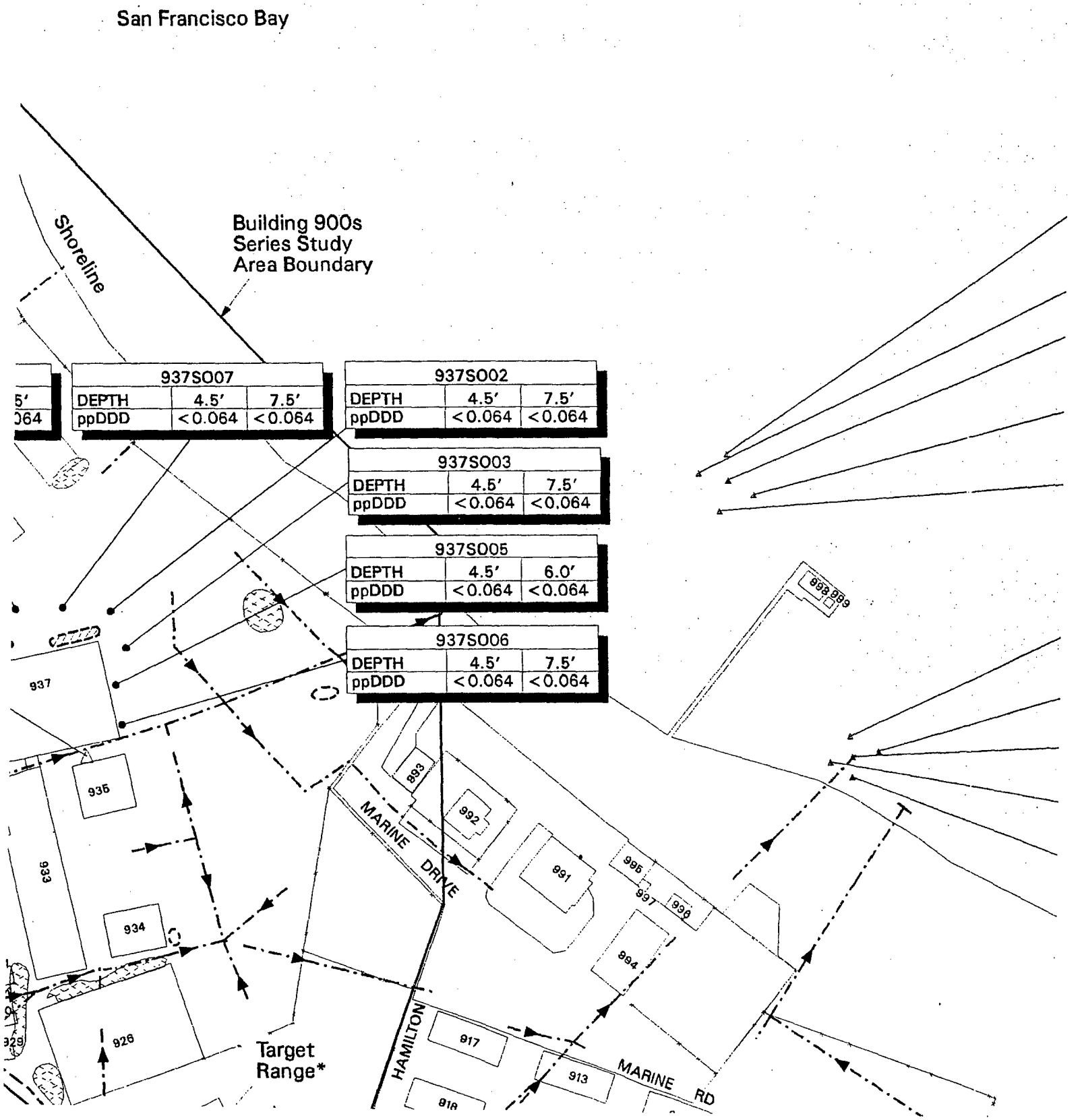
BUILDING 900S SERIES STUDY AREA
VEHICLE MAINTENANCE AREA
CONCENTRATIONS OF ZINC IN SOIL

PSF26251

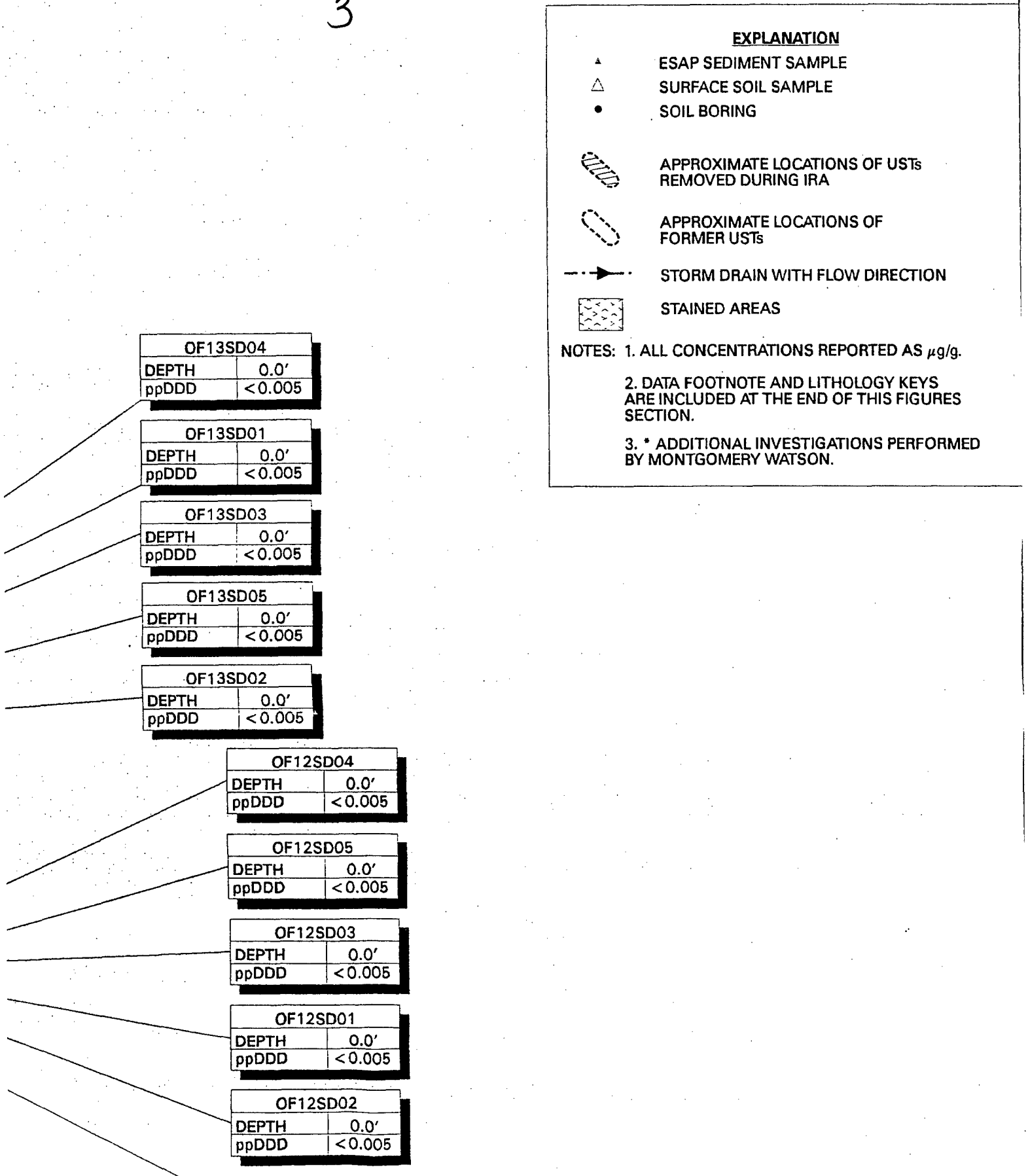
Date: January 1997 | Figure 6.5-11


Surface Trace
of Bedrock Outcrop
San Francisco Ba
Shoreline
Buil
Seri
Area
989
987
990
985
986
988
983
979
976
974
973
950
937
935
933
934
931
930
929
926
937SO04
DEPTH 4.5′ 9.0′
ppDDD <0.064 <0.064
937SO01
DEPTH 1.5′ 7.5′
ppDDD <0.640 <0.064
937SO07
DEPTH 4.5′
ppDDD <0.064
900SS03
DEPTH 0.0′
ppDDD <0.640
900SS10
DEPTH 0.2′
ppDDD <0.064
900SS09
DEPTH 0.2′
ppDDD <0.064
900SS08
DEPTH 0.2′
ppDDD <0.064
900SS06
DEPTH 0.2′
ppDDD <0.064
931SB01
DEPTH 2.0′
LINCOLN AVE.
HOFFMAN ST
LENDRUM CT
954
953
852
851
1280
1282
1279
1257
1258

2


San Francisco Bay
Shoreline
Building 900s
Series Study
Area Boundary
937SO07
DEPTH 4.5′ 7.5′
ppDDD <0.064 <0.064
937SO02
DEPTH 4.5′ 7.5′
ppDDD <0.064 <0.064
937SO03
DEPTH 4.5′ 7.5′
ppDDD <0.064 <0.064
937SO05
DEPTH 4.5′ 6.0′
ppDDD <0.064 <0.064
937SO06
DEPTH 4.5′ 7.5′
ppDDD <0.064 <0.064
937
935
933
934
926
Target
Range*
MARINE DRIVE
HAMILTON
917
913
MARINE RD
991
992
993
994
995
997
998
999

3


EXPLANATION
ESAP SEDIMENT SAMPLE
SURFACE SOIL SAMPLE
SOIL BORING
APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
APPROXIMATE LOCATIONS OF FORMER USTs
STORM DRAIN WITH FLOW DIRECTION
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.
OF13SD04
DEPTH 0.0′
ppDDD <0.005
OF13SD01
DEPTH 0.0′
ppDDD <0.005
OF13SD03
DEPTH 0.0′
ppDDD <0.005
OF13SD05
DEPTH 0.0′
ppDDD <0.005
OF13SD02
DEPTH 0.0′
ppDDD <0.005
OF12SD04
DEPTH 0.0′
ppDDD <0.005
OF12SD05
DEPTH 0.0′
ppDDD <0.005
OF12SD03
DEPTH 0.0′
ppDDD <0.005
OF12SD01
DEPTH 0.0′
ppDDD <0.005
OF12SD02
DEPTH 0.0′
ppDDD <0.005

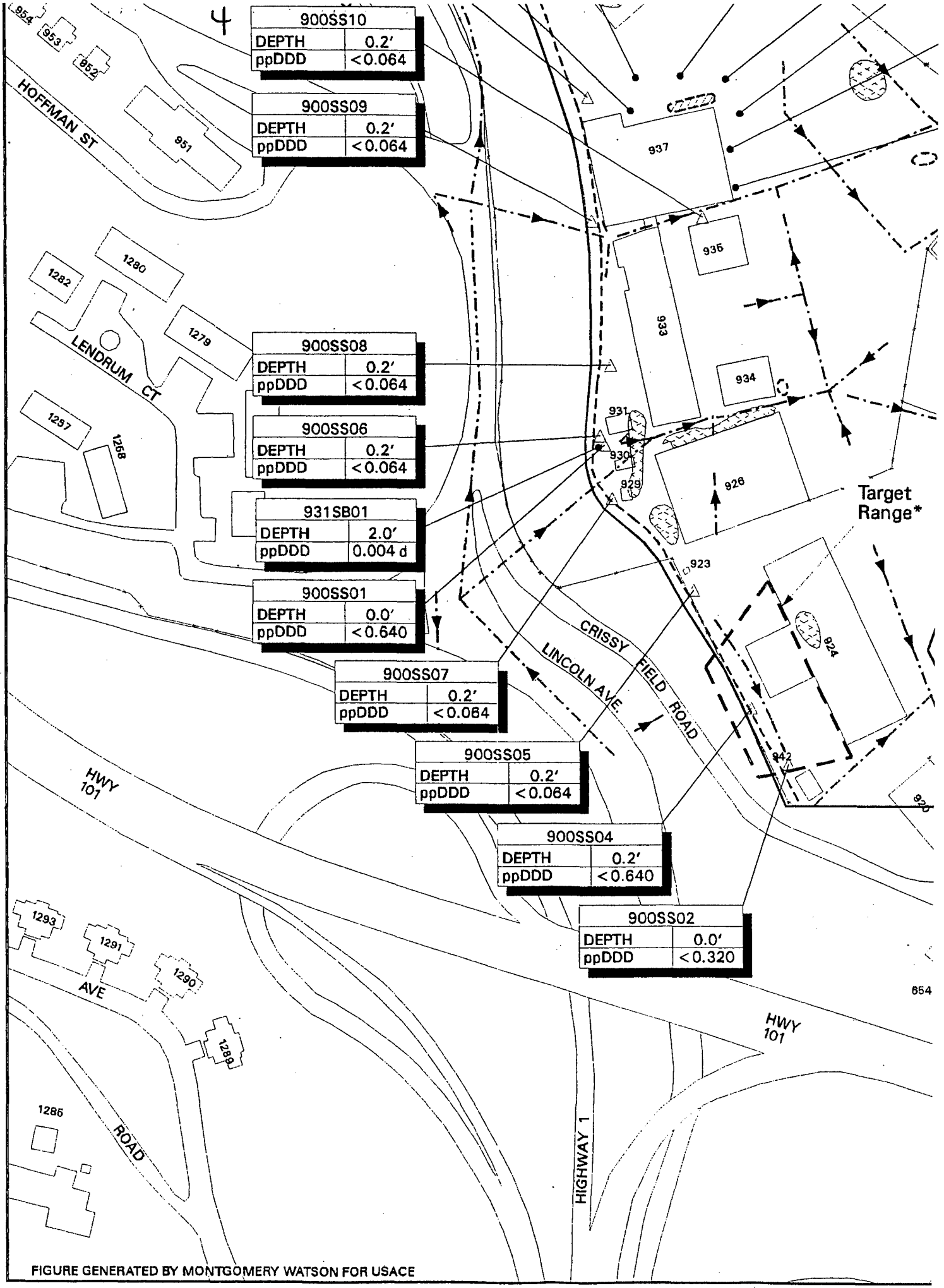
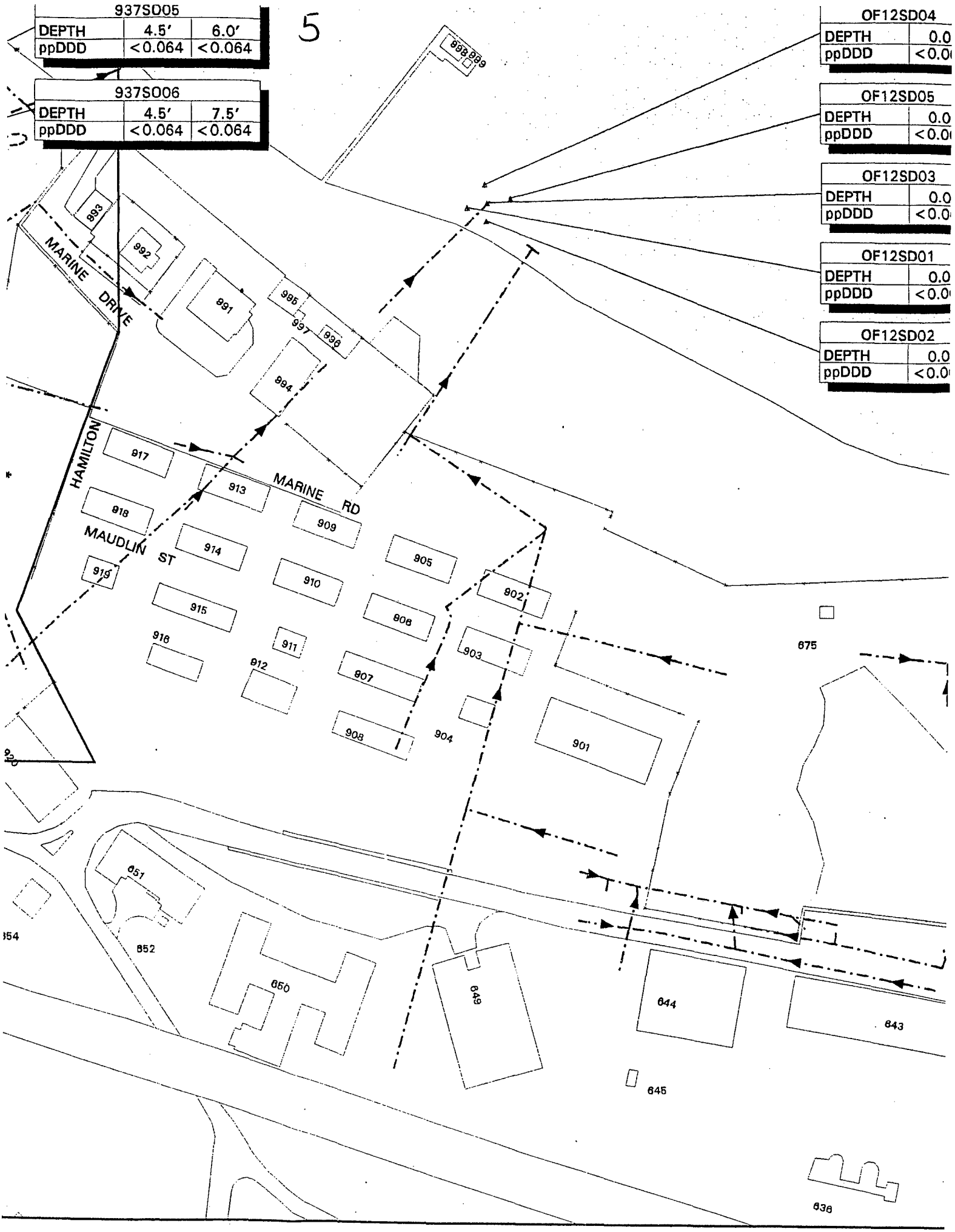
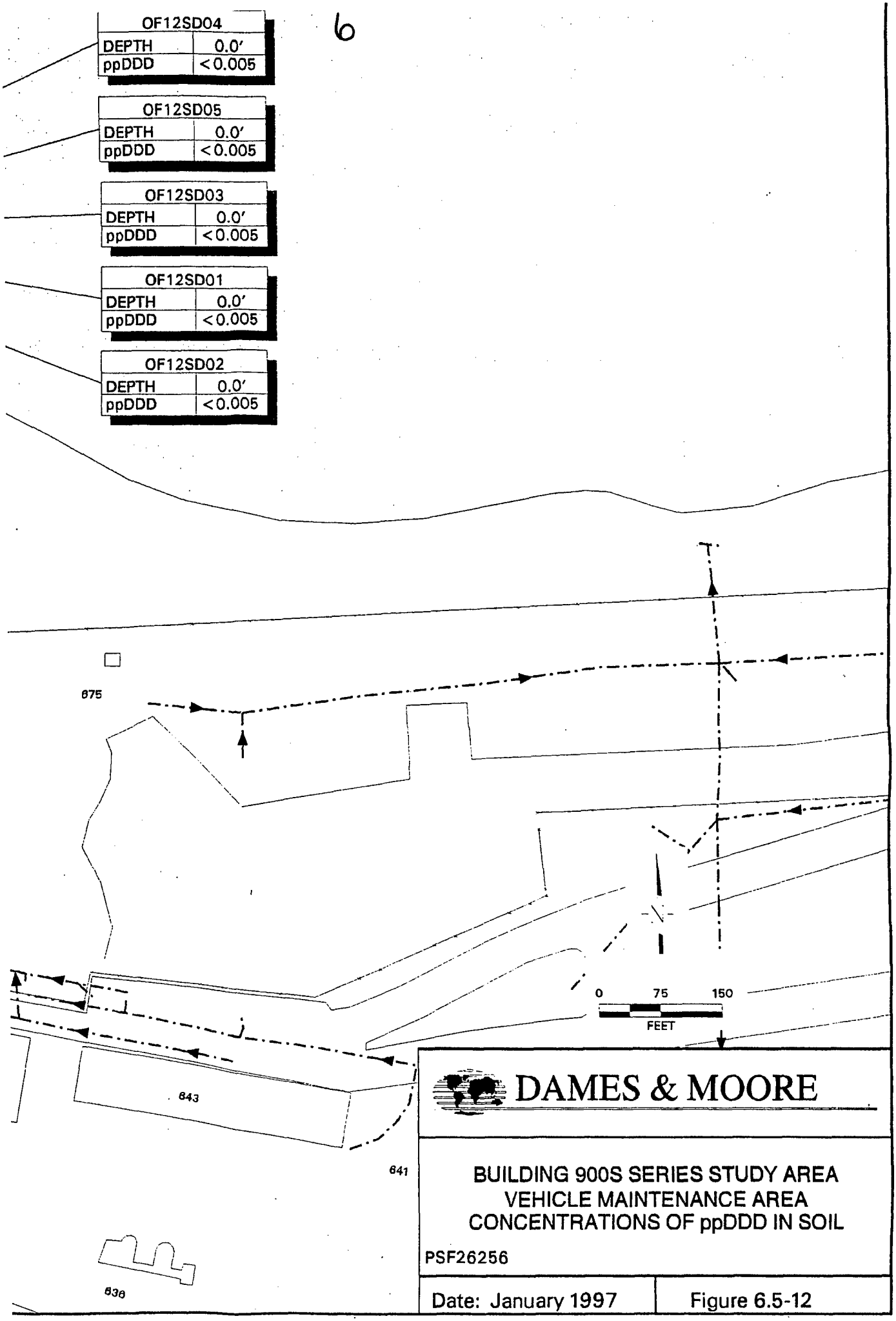


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

31 Dec 96 09:51:10 Tuesday, base_11x17_v3.aml, plotfile base_B920-37_S_43.grn, PSF


937SO05
DEPTH 4.5′ 6.0′
ppDDD <0.064 <0.064
937SO06
DEPTH 4.5′ 7.5′
ppDDD <0.064 <0.064
5
OF12SD04
DEPTH 0.0
ppDDD <0.0
OF12SD05
DEPTH 0.0
ppDDD <0.0
OF12SD03
DEPTH 0.0
ppDDD <0.0
OF12SD01
DEPTH 0.0
ppDDD <0.0
OF12SD02
DEPTH 0.0
ppDDD <0.0
MARINE DRIVE
HAMILTON
MARINE RD
MAUDLIN ST
993
992
991
996
997
998
994
917
913
909
918
914
915
910
905
902
916
911
906
903
912
907
908
904
901
675
651
652
650
649
644
643
645
636

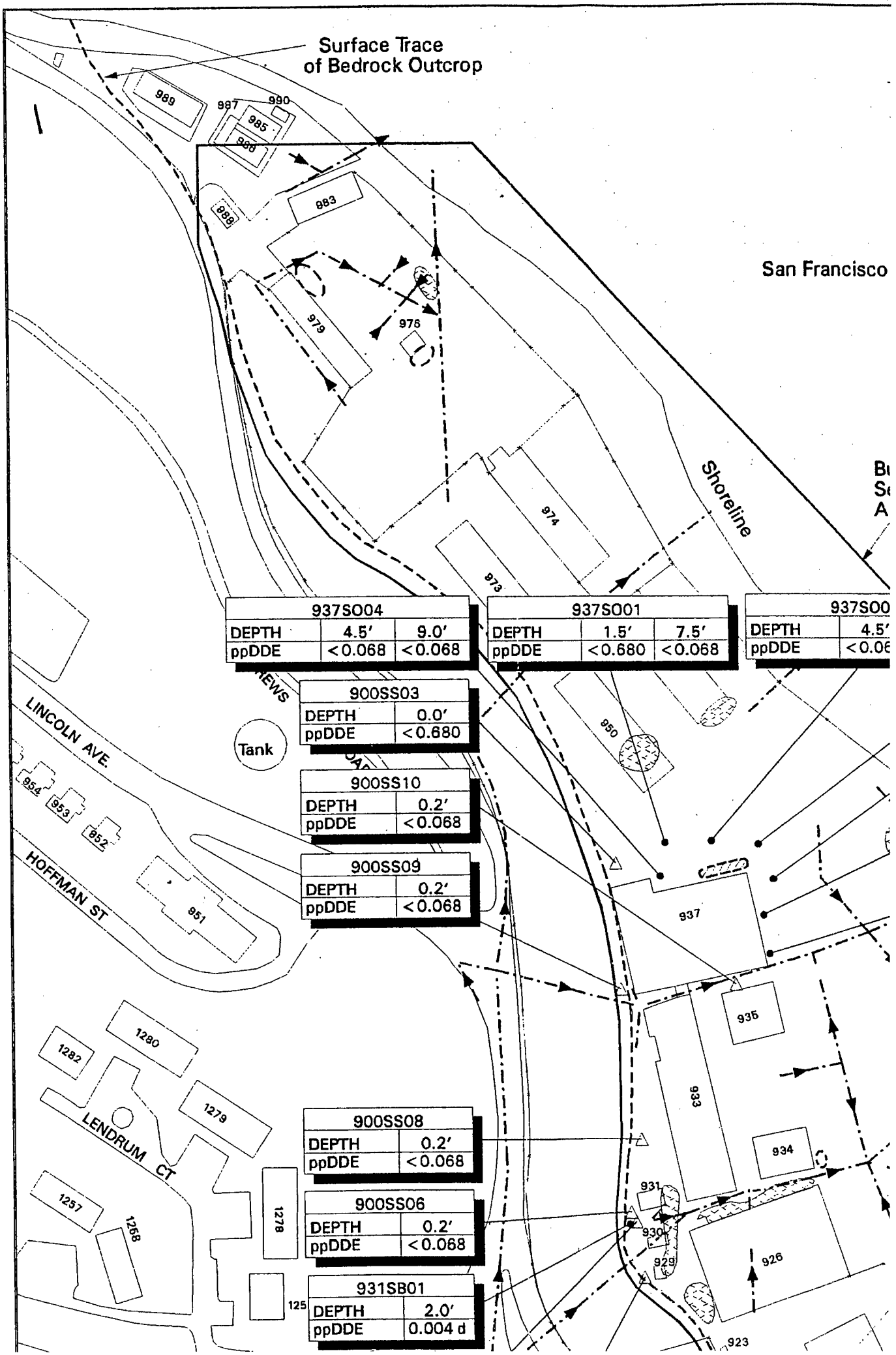


DAMES & MOORE

BUILDING 900S SERIES STUDY AREA
VEHICLE MAINTENANCE AREA
CONCENTRATIONS OF ppDDD IN SOIL

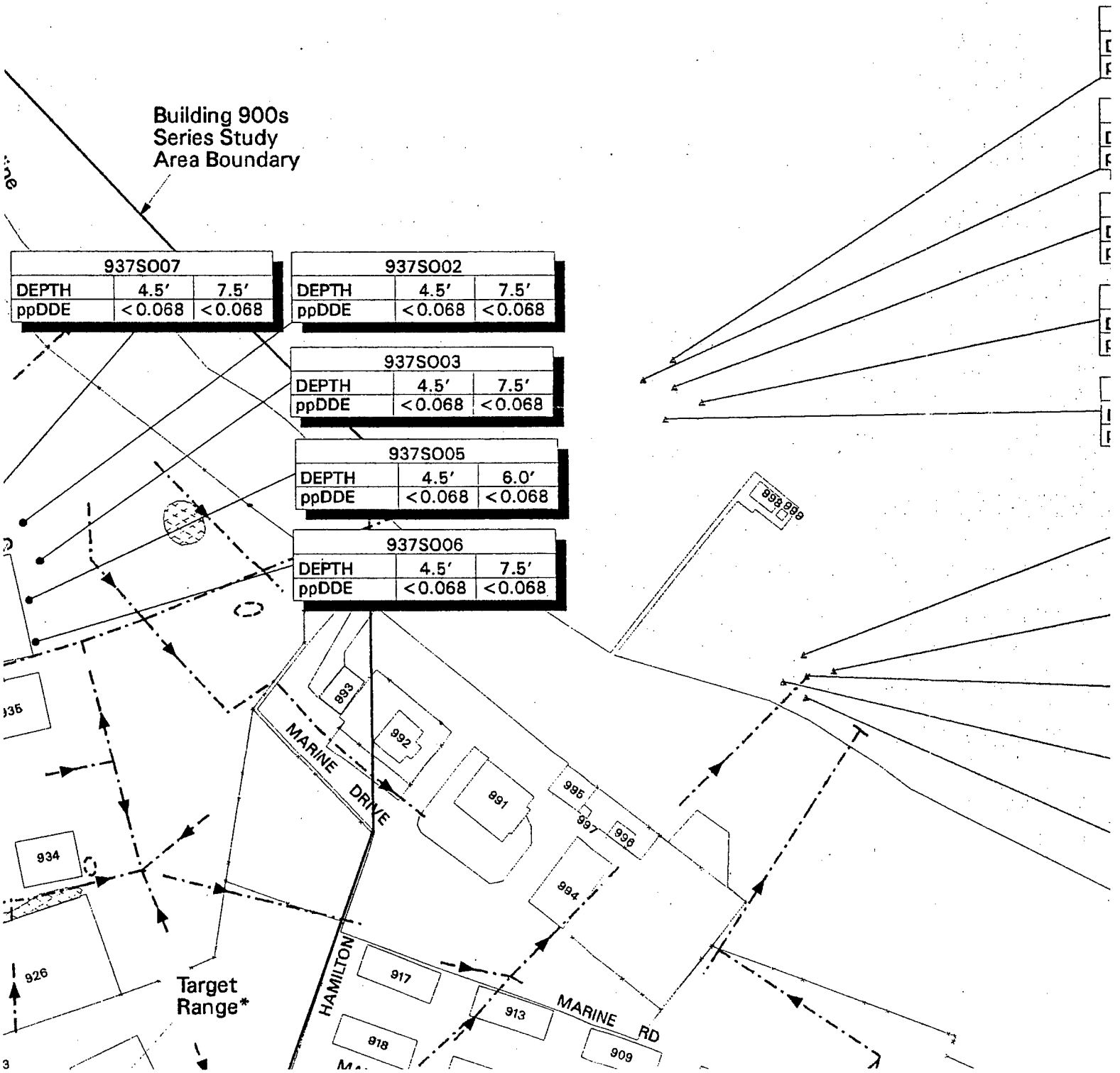
PSF26256

Date: January 1997 | Figure 6.5-12

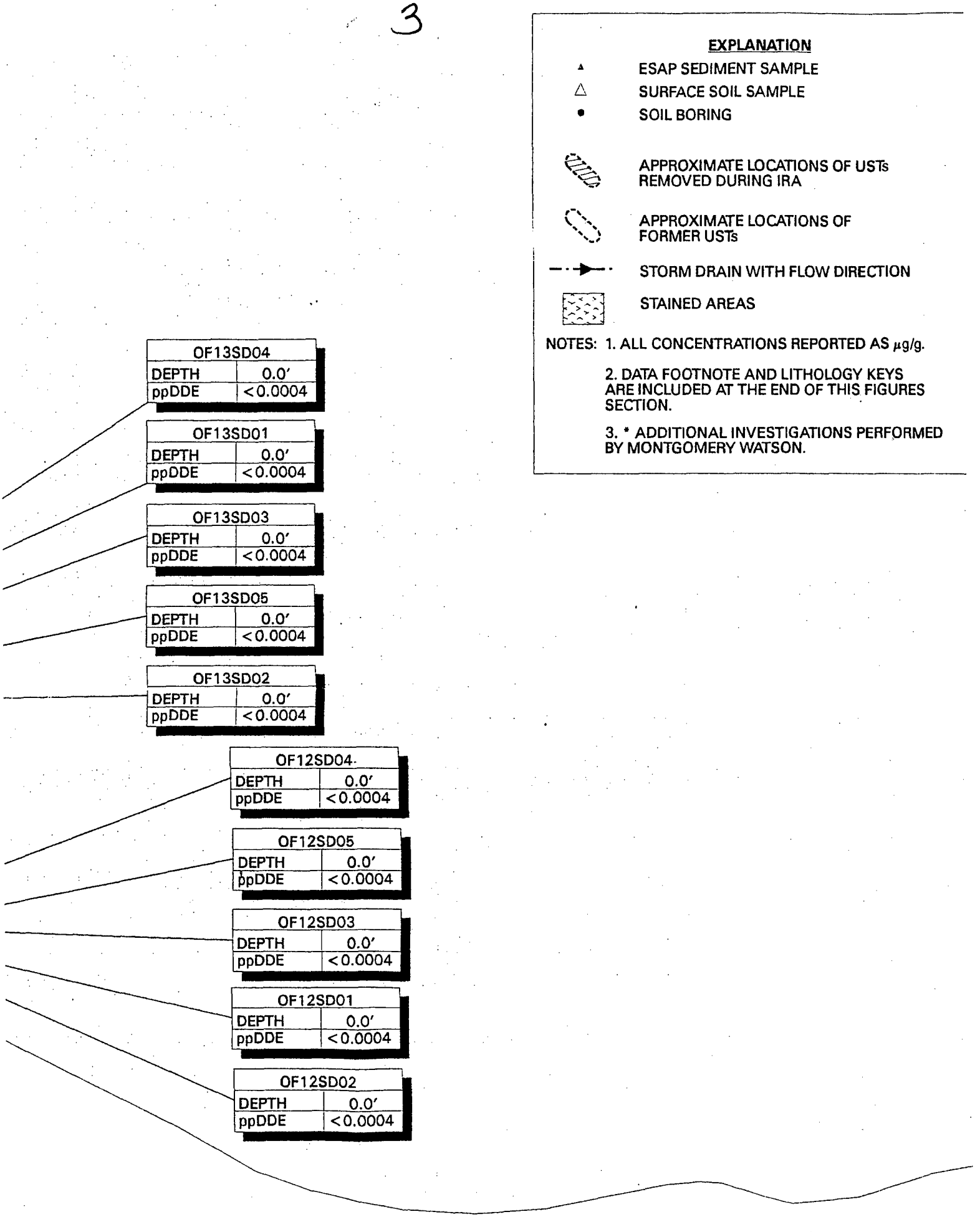

Surface Trace
of Bedrock Outcrop
San Francisco
Shoreline
937SO04
DEPTH | 4.5′ | 9.0′
ppDDE | <0.068 | <0.068
937SO01
DEPTH | 1.5′ | 7.5′
ppDDE | <0.680 | <0.068
937SO0
DEPTH | 4.5′
ppDDE | <0.06
900SS03
DEPTH | 0.0′
ppDDE | <0.680
900SS10
DEPTH | 0.2′
ppDDE | <0.068
900SS09
DEPTH | 0.2′
ppDDE | <0.068
900SS08
DEPTH | 0.2′
ppDDE | <0.068
900SS06
DEPTH | 0.2′
ppDDE | <0.068
931SB01
DEPTH | 2.0′
ppDDE | 0.004 d
Tank
LINCOLN AVE.
HOFFMAN ST
LENDRUM CT
989
987
990
985
986
988
983
979
976
974
973
950
954
953
852
951
1280
1282
1279
1257
1268
1278
125
937
935
933
934
931
930
929
926
923

2

San Francisco Bay



3


EXPLANATION
ESAP SEDIMENT SAMPLE
SURFACE SOIL SAMPLE
SOIL BORING
APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
APPROXIMATE LOCATIONS OF FORMER USTs
STORM DRAIN WITH FLOW DIRECTION
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.
OF13SD04
DEPTH 0.0′
ppDDE <0.0004
OF13SD01
DEPTH 0.0′
ppDDE <0.0004
OF13SD03
DEPTH 0.0′
ppDDE <0.0004
OF13SD05
DEPTH 0.0′
ppDDE <0.0004
OF13SD02
DEPTH 0.0′
ppDDE <0.0004
OF12SD04
DEPTH 0.0′
ppDDE <0.0004
OF12SD05
DEPTH 0.0′
ppDDE <0.0004
OF12SD03
DEPTH 0.0′
ppDDE <0.0004
OF12SD01
DEPTH 0.0′
ppDDE <0.0004
OF12SD02
DEPTH 0.0′
ppDDE <0.0004

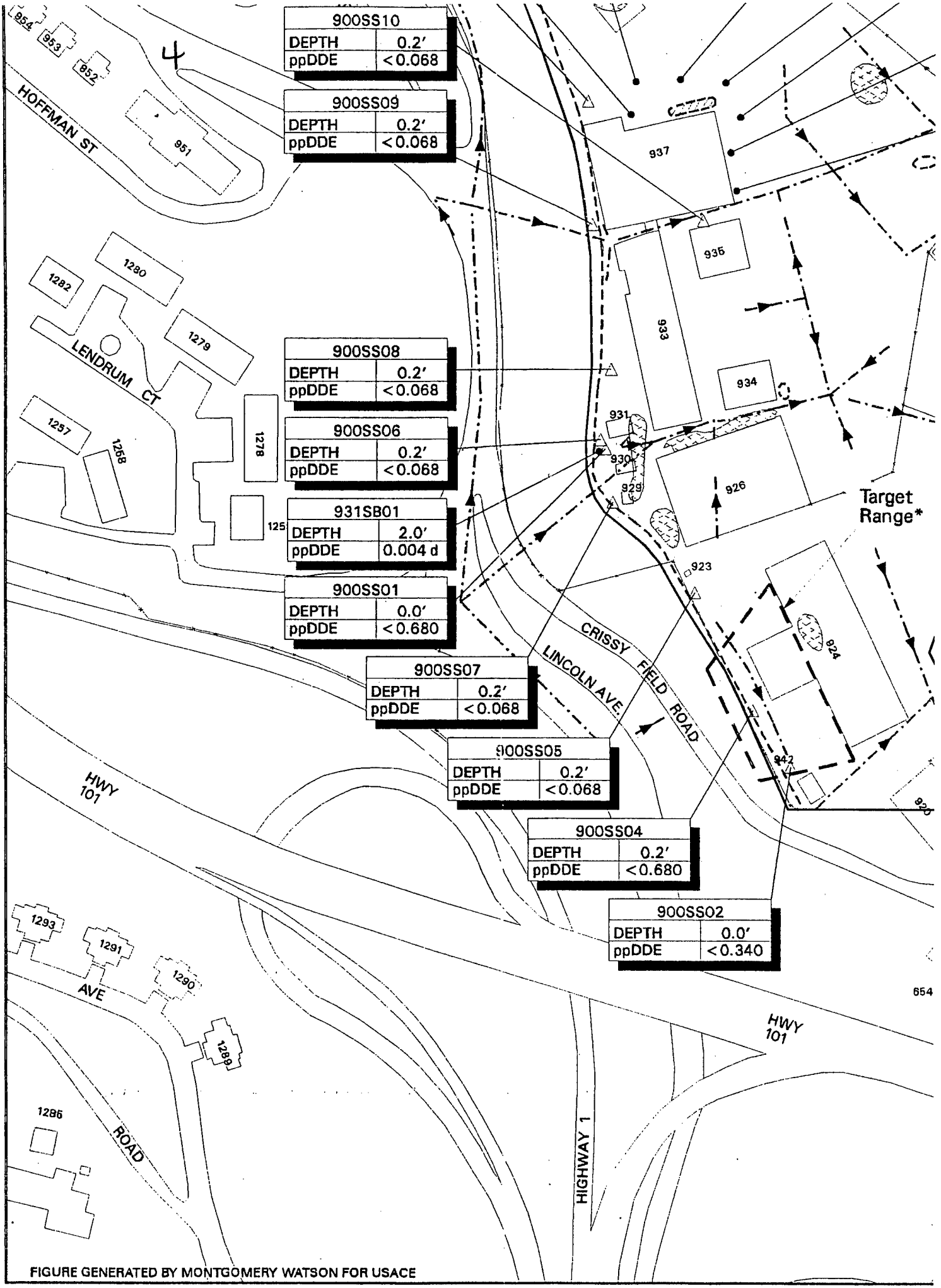
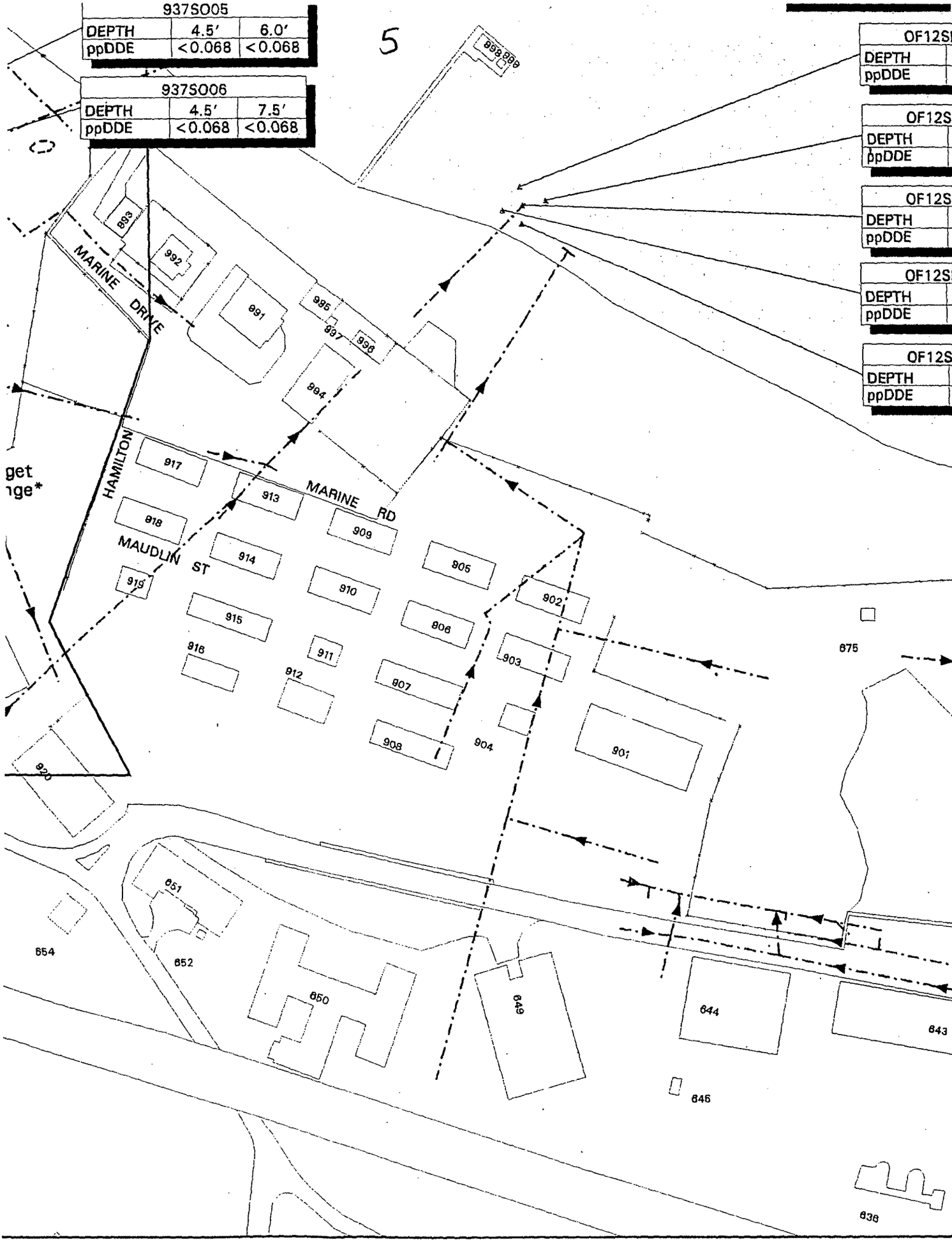
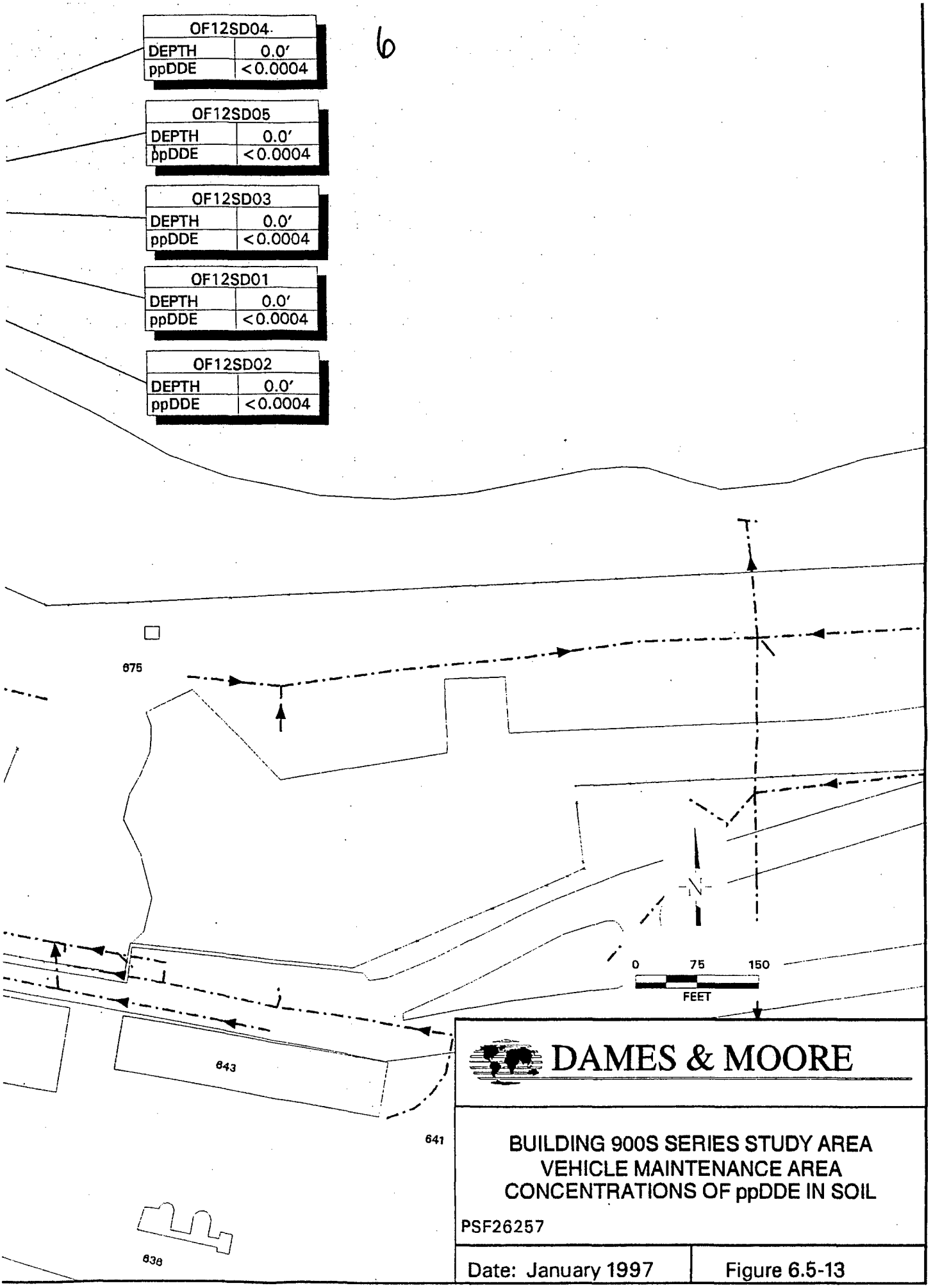


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

31 Dec 96 09:46:55 Tuesday, base_11x17_v3.aml, plotfile base_B920-37_S_44.grn, PSP


937SO05
DEPTH 4.5′ 6.0′
ppDDE <0.068 <0.068
937SO06
DEPTH 4.5′ 7.5′
ppDDE <0.068 <0.068
5
OF12SD
DEPTH
ppDDE
MARINE DRIVE
HAMILTON
MARINE RD
MAUDLIN ST
get
nge*
888
889
883
992
891
995
997
996
994
917
913
918
909
914
905
919
910
902
915
906
916
911
903
912
907
908
904
901
920
675
651
654
652
650
649
644
643
646
638



6

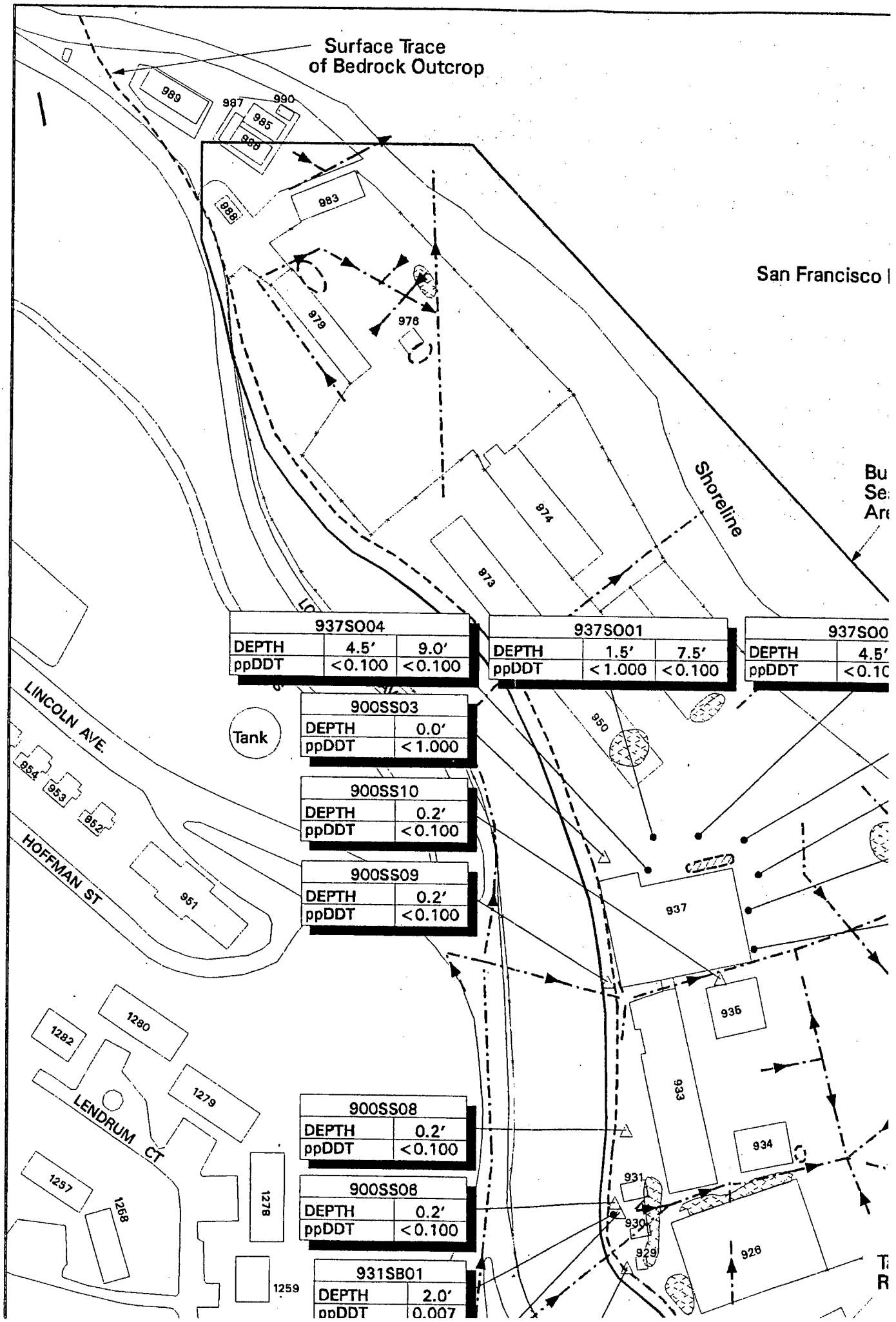
DAMES & MOORE

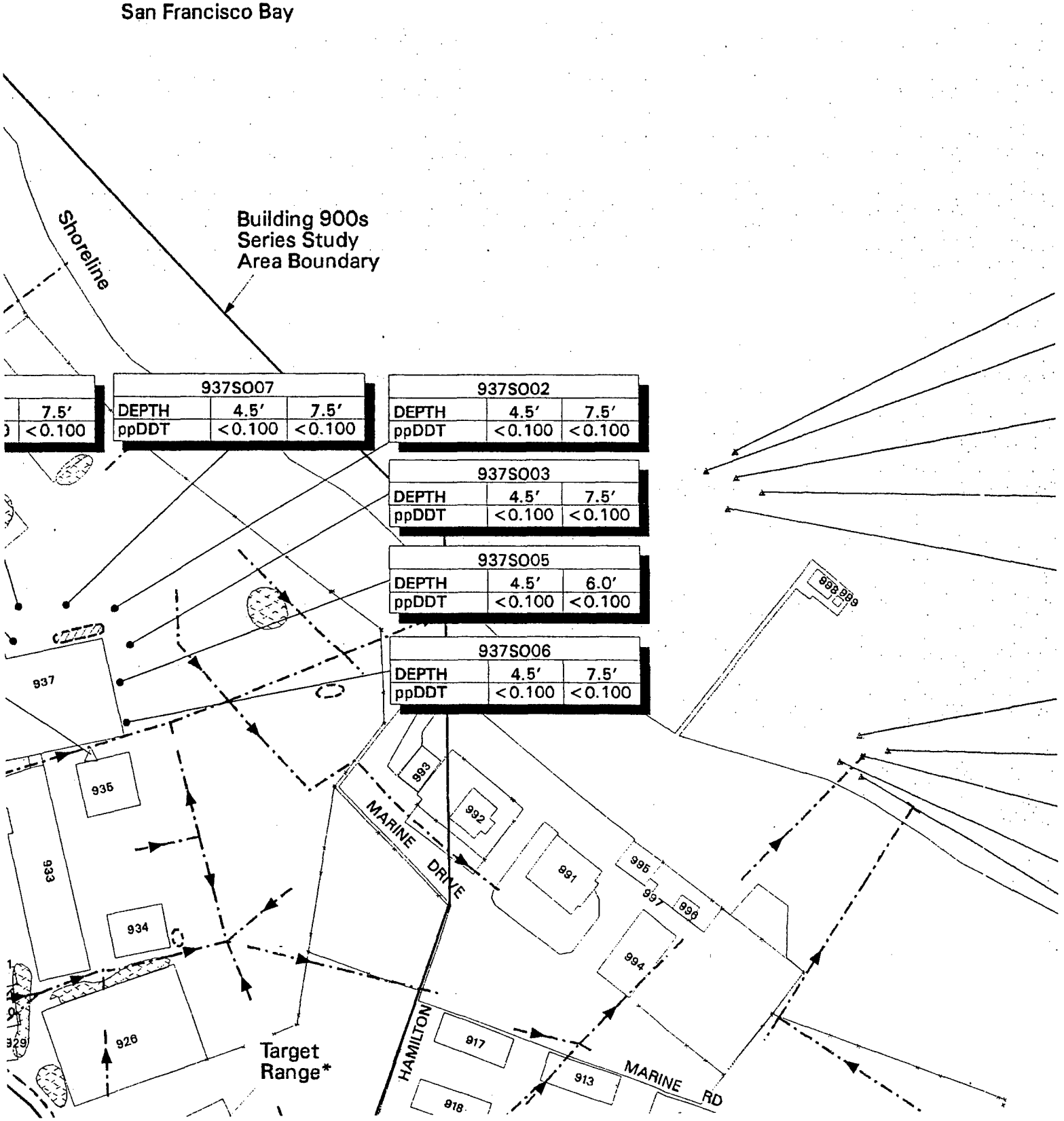
BUILDING 900S SERIES STUDY AREA
VEHICLE MAINTENANCE AREA
CONCENTRATIONS OF ppDDE IN SOIL

PSF26257

Date: January 1997

Figure 6.5-13


Surface Trace
of Bedrock Outcrop
989
997
990
985
986
988
983
979
978
974
973
Shoreline
San Francisco
937SO04
DEPTH 4.5′ 9.0′
ppDDT <0.100 <0.100
937SO01
DEPTH 1.5′ 7.5′
ppDDT <1.000 <0.100
937SO0
DEPTH 4.5′
ppDDT <0.1
900SS03
DEPTH 0.0′
ppDDT <1.000
Tank
900SS10
DEPTH 0.2′
ppDDT <0.100
900SS09
DEPTH 0.2′
ppDDT <0.100
LINCOLN AVE.
954
953
952
HOFFMAN ST
951
960
937
935
933
934
931
930
929
926
1280
1282
1279
LENDRUM CT
1237
1268
1278
1259
900SS08
DEPTH 0.2′
ppDDT <0.100
900SS06
DEPTH 0.2′
ppDDT <0.100
931SB01
DEPTH 2.0′
ppDDT 0.007


San Francisco Bay
Shoreline
Building 900s
Series Study
Area Boundary
937SO07
DEPTH 4.5′ 7.5′
ppDDT <0.100 <0.100
937SO02
DEPTH 4.5′ 7.5′
ppDDT <0.100 <0.100
937SO03
DEPTH 4.5′ 7.5′
ppDDT <0.100 <0.100
937SO05
DEPTH 4.5′ 6.0′
ppDDT <0.100 <0.100
937SO06
DEPTH 4.5′ 7.5′
ppDDT <0.100 <0.100
937
935
933
934
926
929
993
992
991
995
997
996
994
917
913
918
889
888
MARINE DRIVE
HAMILTON
MARINE RD
Target
Range*

3

EXPLANATION

- ESAP SEDIMENT SAMPLE
- SURFACE SOIL SAMPLE
- SOIL BORING
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STORM DRAIN WITH FLOW DIRECTION
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

OF13SD04	
DEPTH	0.0′
ppDDT	<0.0003

OF13SD01	
DEPTH	0.0′
ppDDT	<0.0003

OF13SD03	
DEPTH	0.0′
ppDDT	<0.0003

OF13SD05	
DEPTH	0.0′
ppDDT	0.000316 n

OF13SD02	
DEPTH	0.0′
ppDDT	<0.0003

OF12SD04	
DEPTH	0.0′
ppDDT	<0.0003

OF12SD05	
DEPTH	0.0′
ppDDT	0.00127

OF12SD03	
DEPTH	0.0′
ppDDT	<0.0003

OF12SD01	
DEPTH	0.0′
ppDDT	<0.0003

OF12SD02	
DEPTH	0.0′
ppDDT	<0.0003

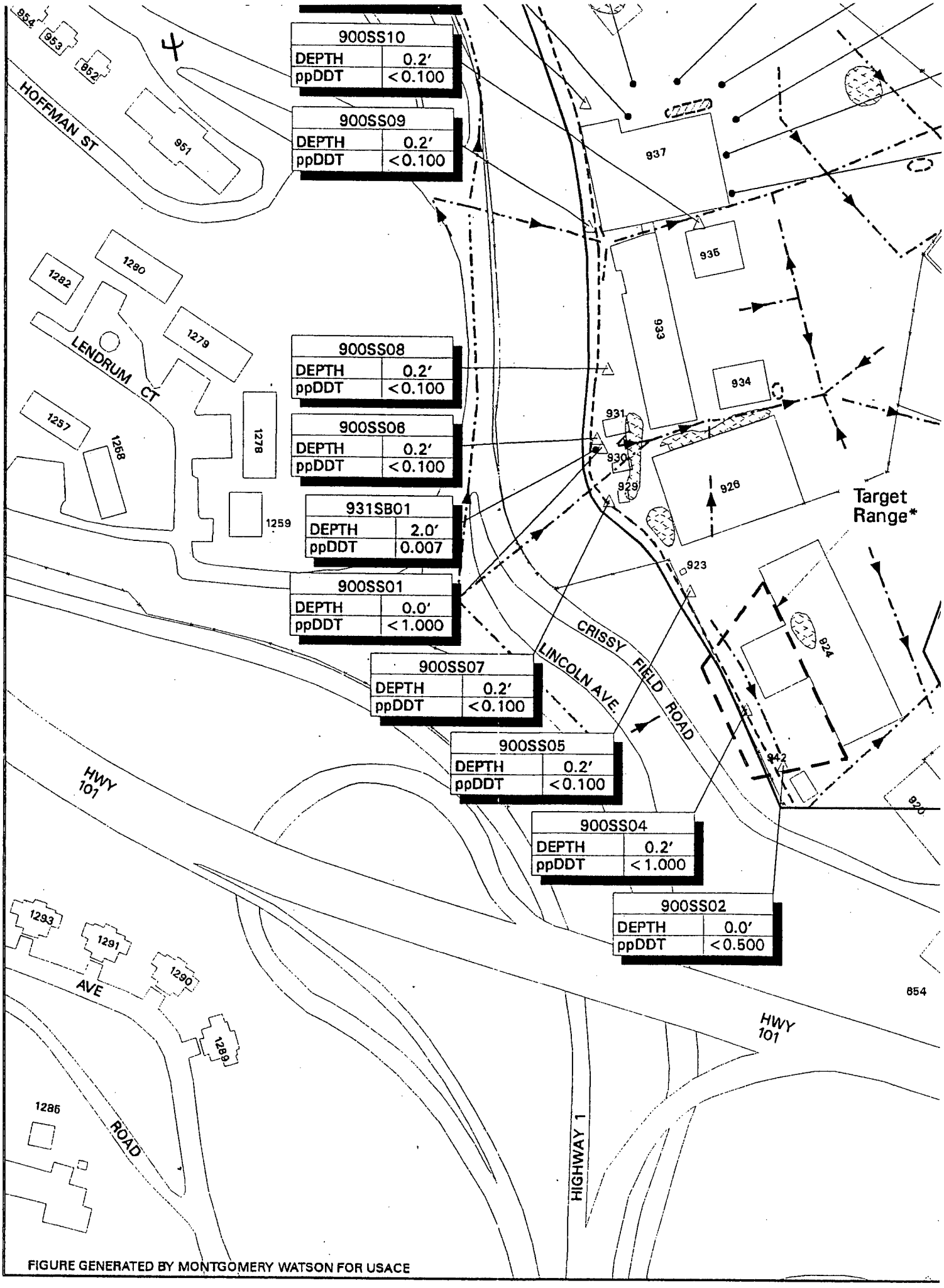


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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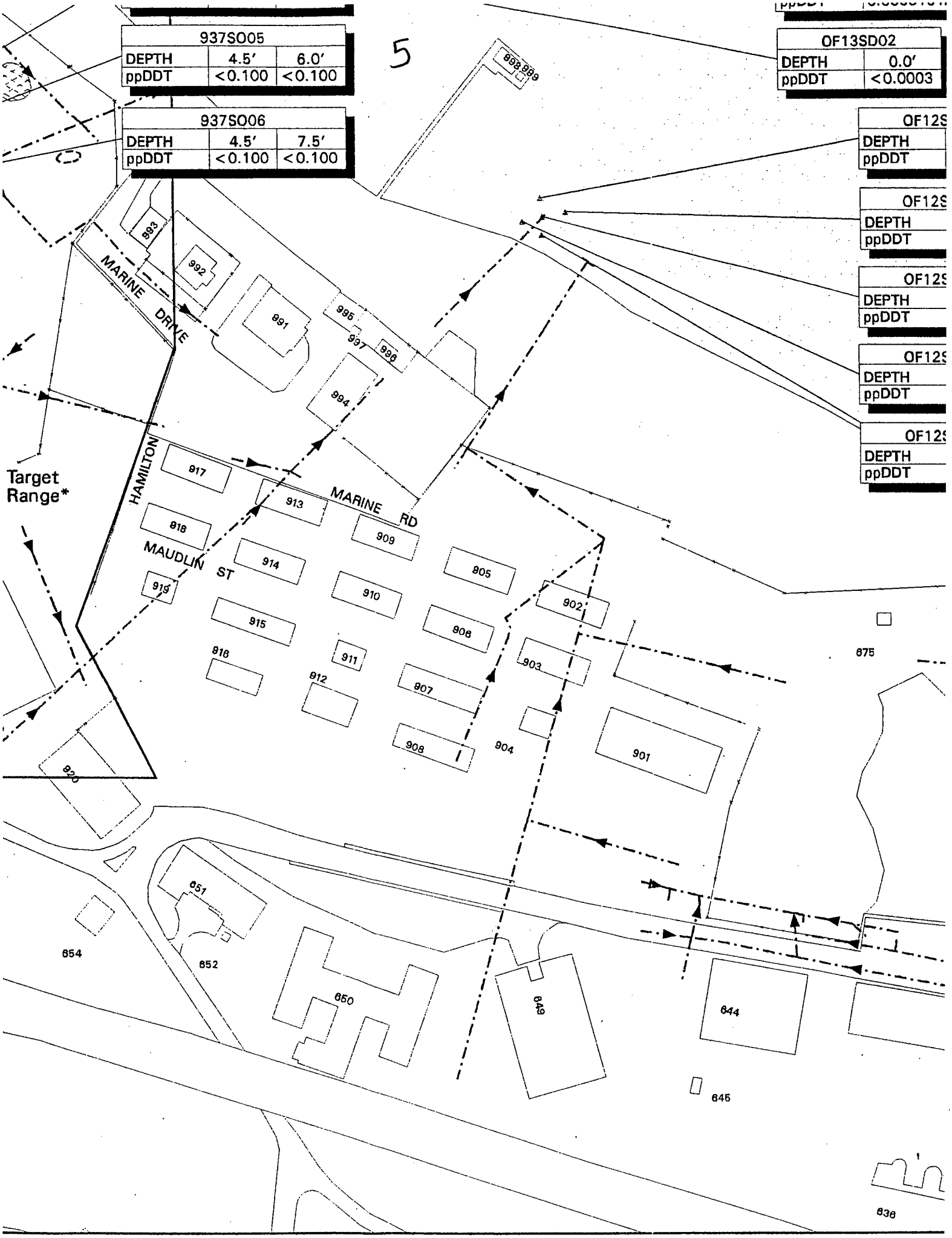
937SO05
DEPTH 4.5′ 6.0′
ppDDT <0.100 <0.100
937SO06
DEPTH 4.5′ 7.5′
ppDDT <0.100 <0.100
OF13SD02
DEPTH 0.0′
ppDDT <0.0003
OF12S
DEPTH
ppDDT
OF12S
DEPTH
ppDDT
OF12S
DEPTH
ppDDT
OF12S
DEPTH
ppDDT
OF12S
DEPTH
ppDDT
5
MARINE DRIVE
HAMILTON
MARINE RD
MAUDLIN ST
Target Range*
989
993
992
991
995
997
998
994
917
913
909
918
914
905
919
910
902
915
908
916
911
903
912
907
908
904
901
920
675
651
654
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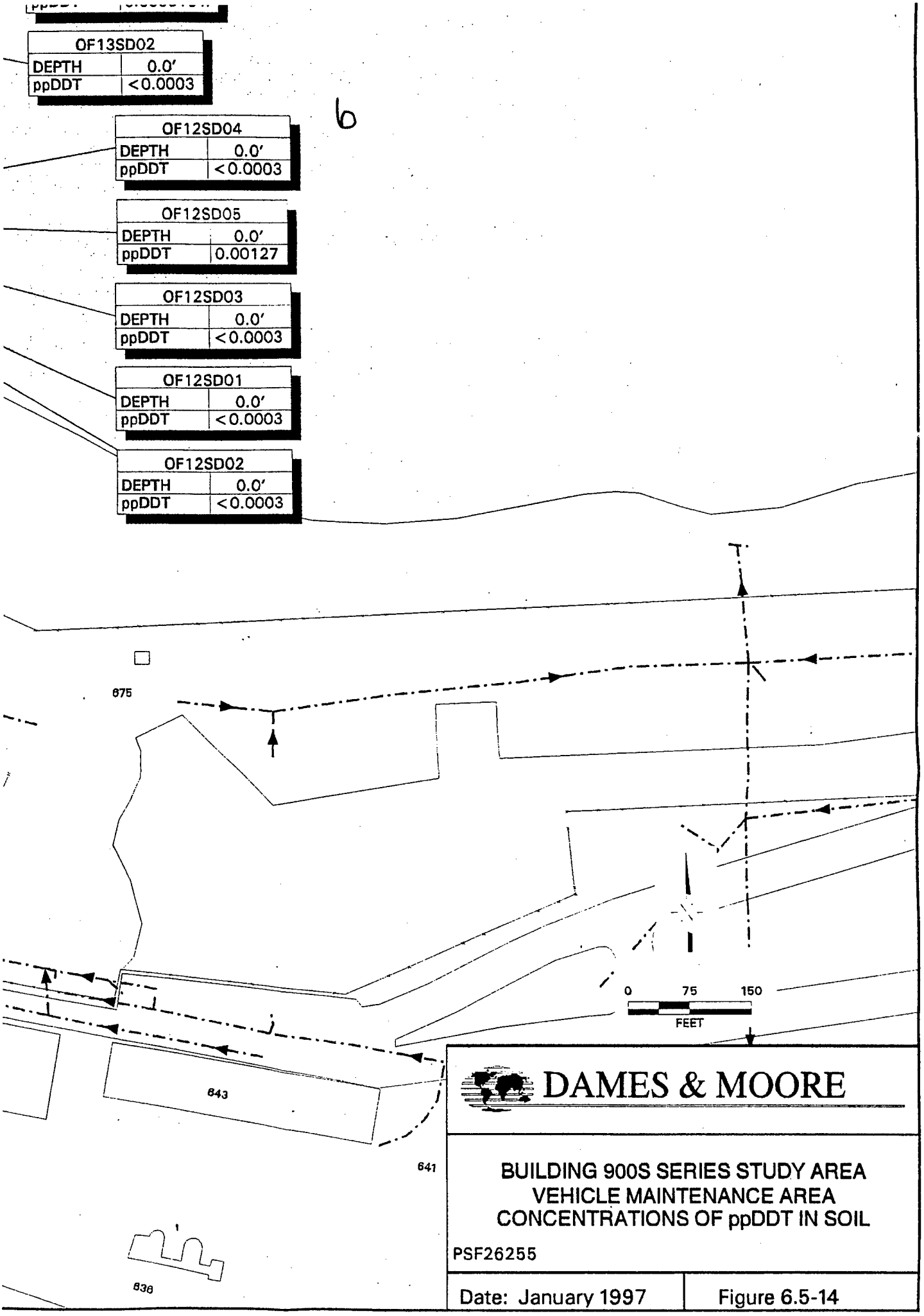
649
644
645
636

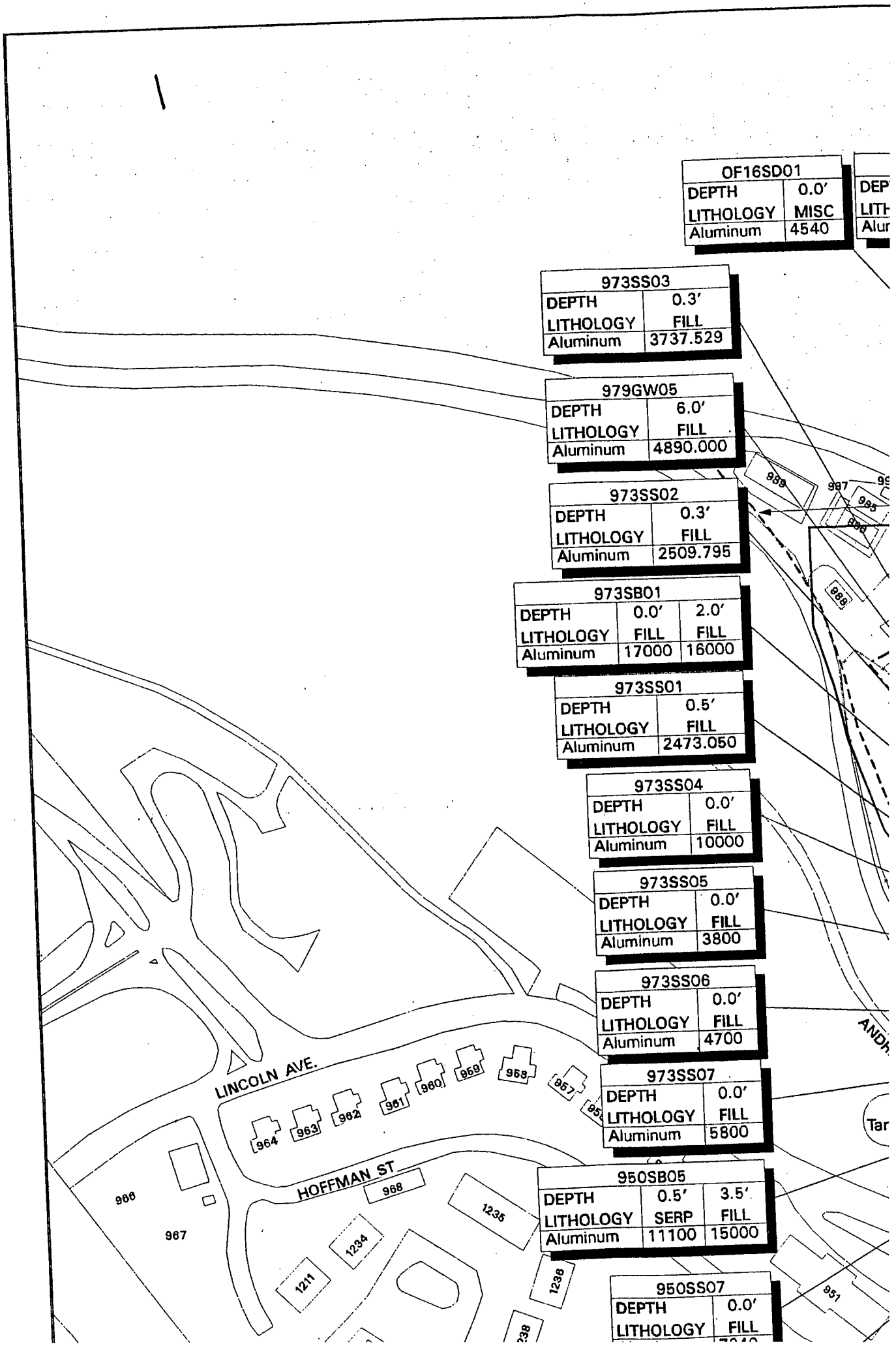


DAMES & MOORE

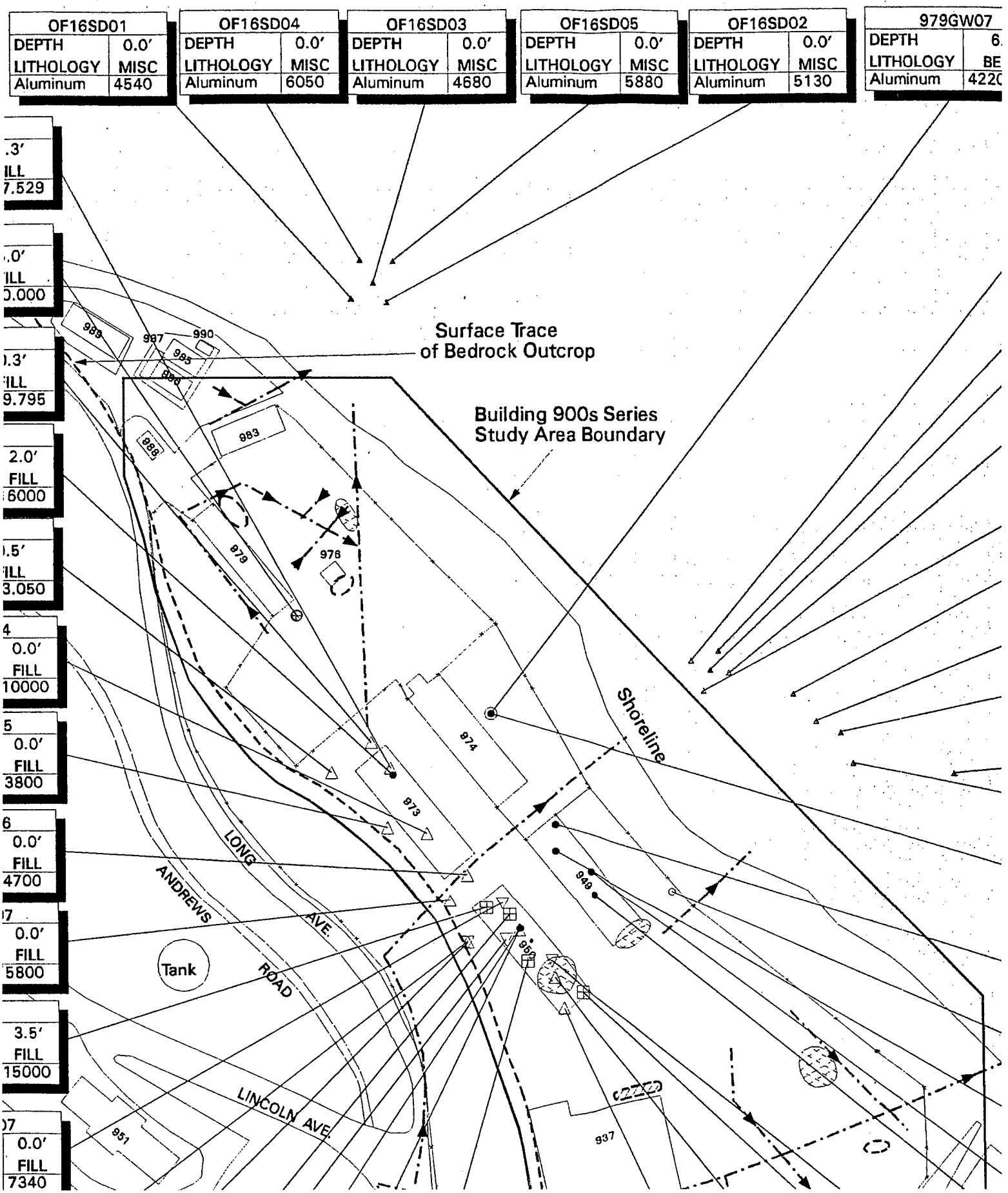
BUILDING 900S SERIES STUDY AREA
VEHICLE MAINTENANCE AREA
CONCENTRATIONS OF ppDDT IN SOIL

PSF26255

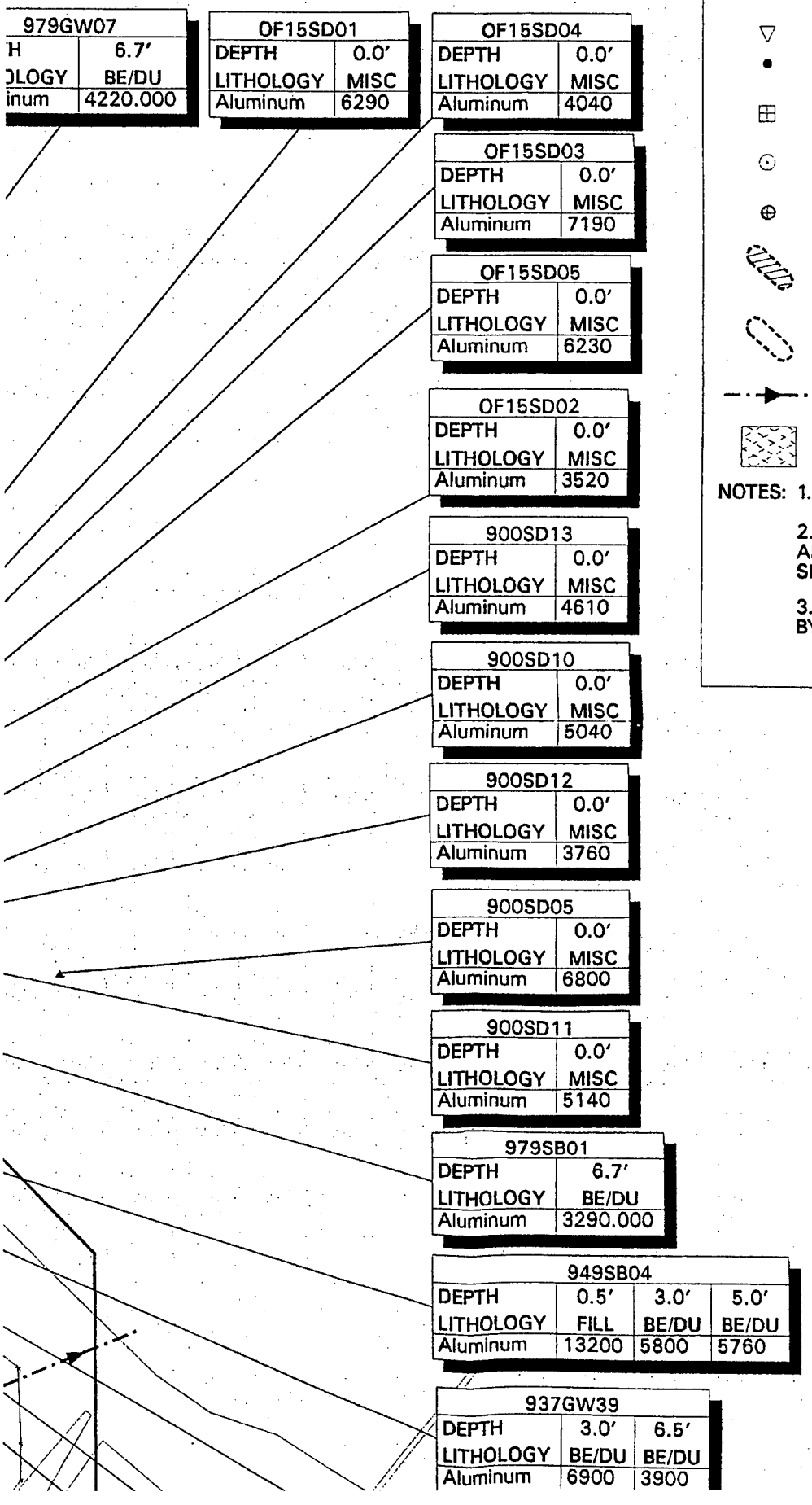
Date: January 1997 | Figure 6.5-14


OF16SD01
DEPTH 0.0′
LITHOLOGY MISC
Aluminum 4540
973SS03
DEPTH 0.3′
LITHOLOGY FILL
Aluminum 3737.529
979GW05
DEPTH 6.0′
LITHOLOGY FILL
Aluminum 4890.000
973SS02
DEPTH 0.3′
LITHOLOGY FILL
Aluminum 2509.795
973SB01
DEPTH 0.0′ 2.0′
LITHOLOGY FILL FILL
Aluminum 17000 16000
973SS01
DEPTH 0.5′
LITHOLOGY FILL
Aluminum 2473.050
973SS04
DEPTH 0.0′
LITHOLOGY FILL
Aluminum 10000
973SS05
DEPTH 0.0′
LITHOLOGY FILL
Aluminum 3800
973SS06
DEPTH 0.0′
LITHOLOGY FILL
Aluminum 4700
973SS07
DEPTH 0.0′
LITHOLOGY FILL
Aluminum 5800
950SB05
DEPTH 0.5′ 3.5′
LITHOLOGY SERP FILL
Aluminum 11100 15000
950SS07
DEPTH 0.0′
LITHOLOGY FILL
LINCOLN AVE.
HOFFMAN ST
964
963
962
961
960
959
958
957
968
967
966
1235
1234
1211
1236
951
989
987
985
888

2


OF16SD01
DEPTH 0.0′
LITHOLOGY MISC
Aluminum 4540
OF16SD04
DEPTH 0.0′
LITHOLOGY MISC
Aluminum 6050
OF16SD03
DEPTH 0.0′
LITHOLOGY MISC
Aluminum 4680
OF16SD05
DEPTH 0.0′
LITHOLOGY MISC
Aluminum 5880
OF16SD02
DEPTH 0.0′
LITHOLOGY MISC
Aluminum 5130
979GW07
DEPTH 6.
LITHOLOGY BE
Aluminum 422C
.3′ ILL 7.529
.0′ ILL 0.000
.3′ ILL 9.795
2.0′ FILL 6000
.5′ ILL 3.050
4 0.0′ FILL 10000
5 0.0′ FILL 3800
6 0.0′ FILL 4700
7 0.0′ FILL 5800
3.5′ FILL 15000
07 0.0′ FILL 7340
Surface Trace of Bedrock Outcrop
Building 900s Series Study Area Boundary
Shoreline
LONG ANDREWS ROAD
AVE.
LINCOLN AVE.
Tank
989
987
990
995
996
988
983
979
978
974
973
949
950
951
937

3



EXPLANATION

- ESAP SEDIMENT SAMPLE
- SURFACE SOIL SAMPLE
- MONTGOMERY WATSON SURFACE SOIL SAMPLE
- SOIL BORING
- MONTGOMERY WATSON SOIL BORING
- SHALLOW MONITORING WELL WITH SOIL SAMPLES
- DEEP MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STORM DRAIN WITH FLOW DIRECTION
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

San Francisco Bay

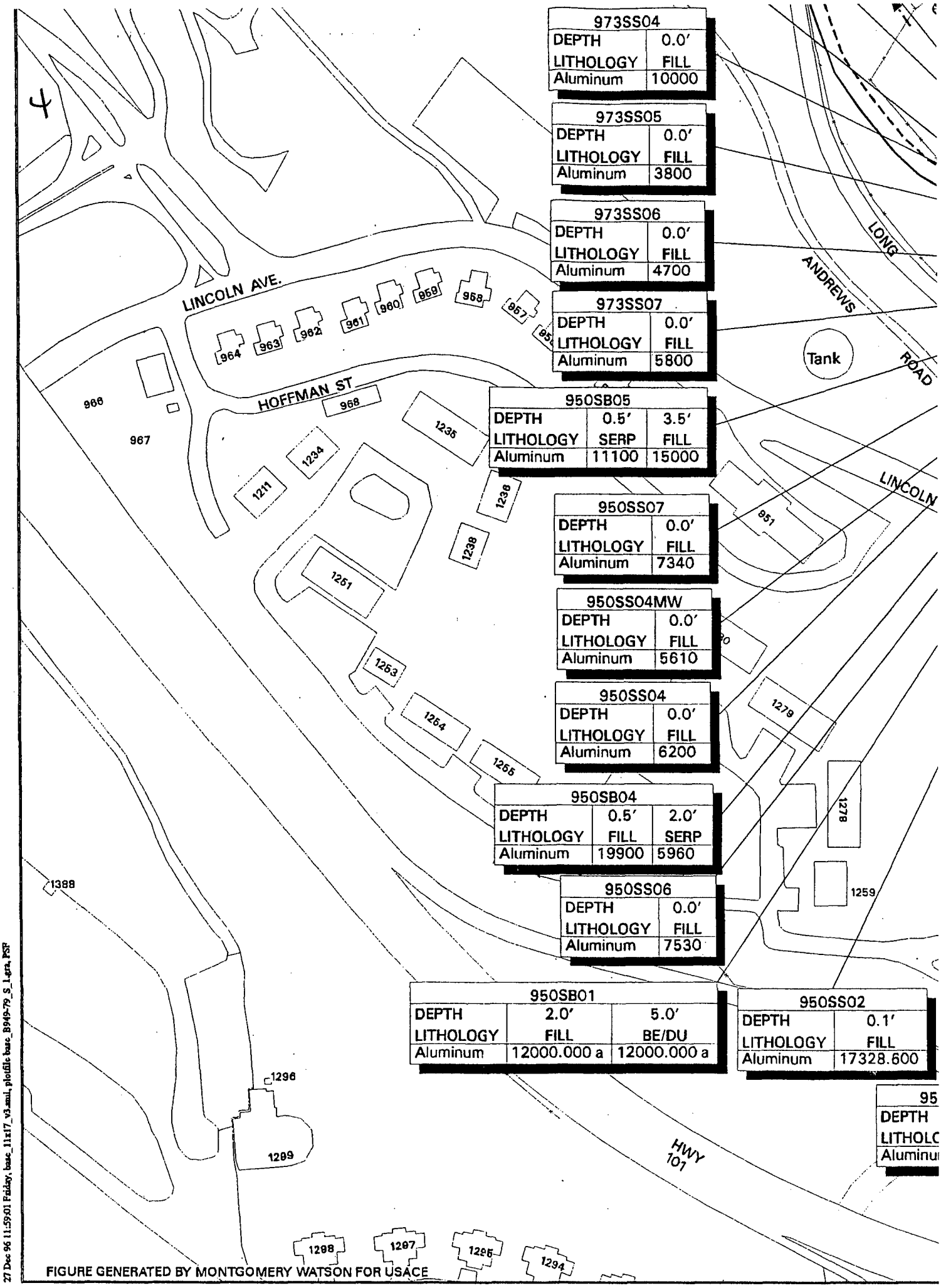


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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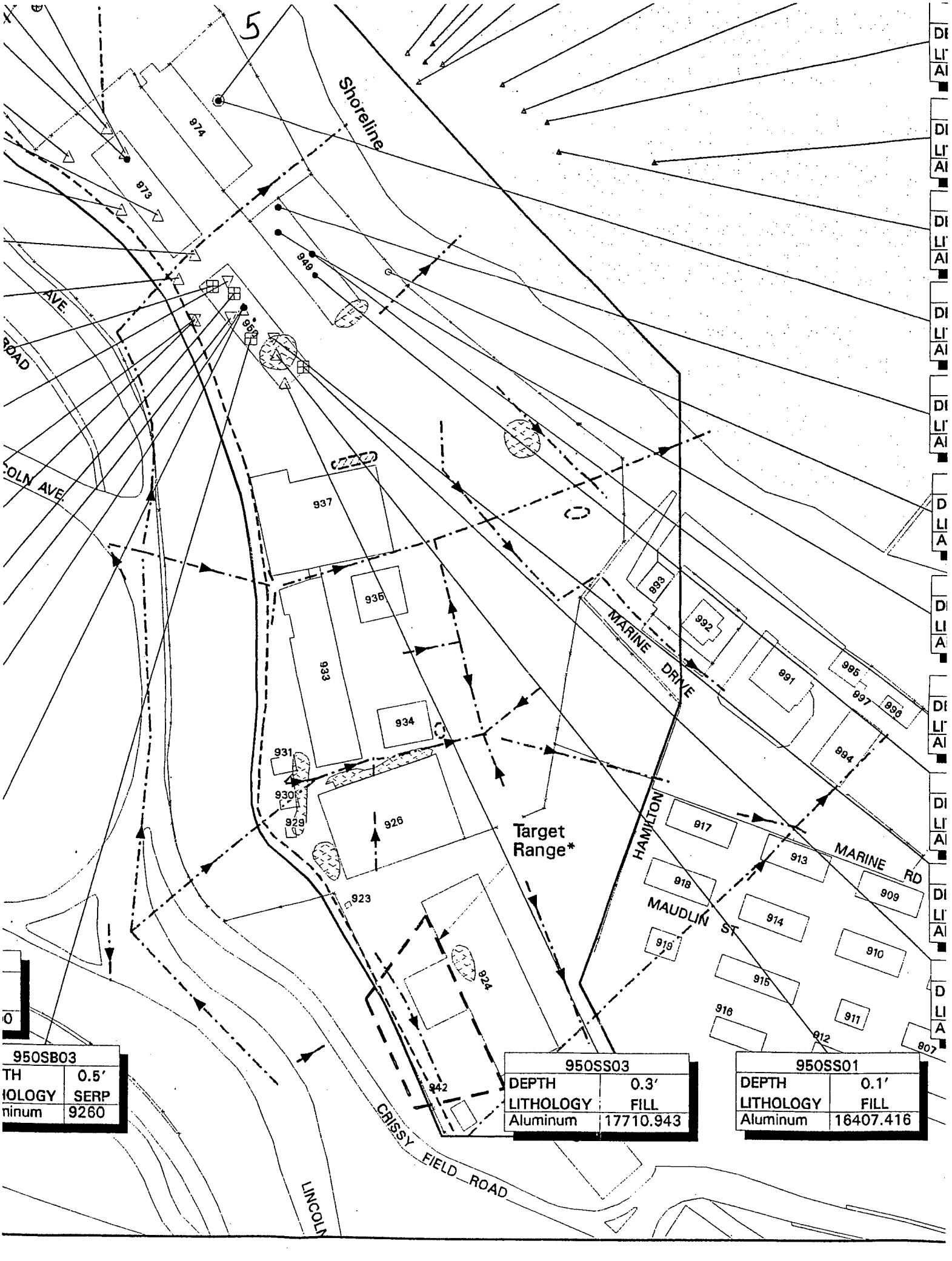
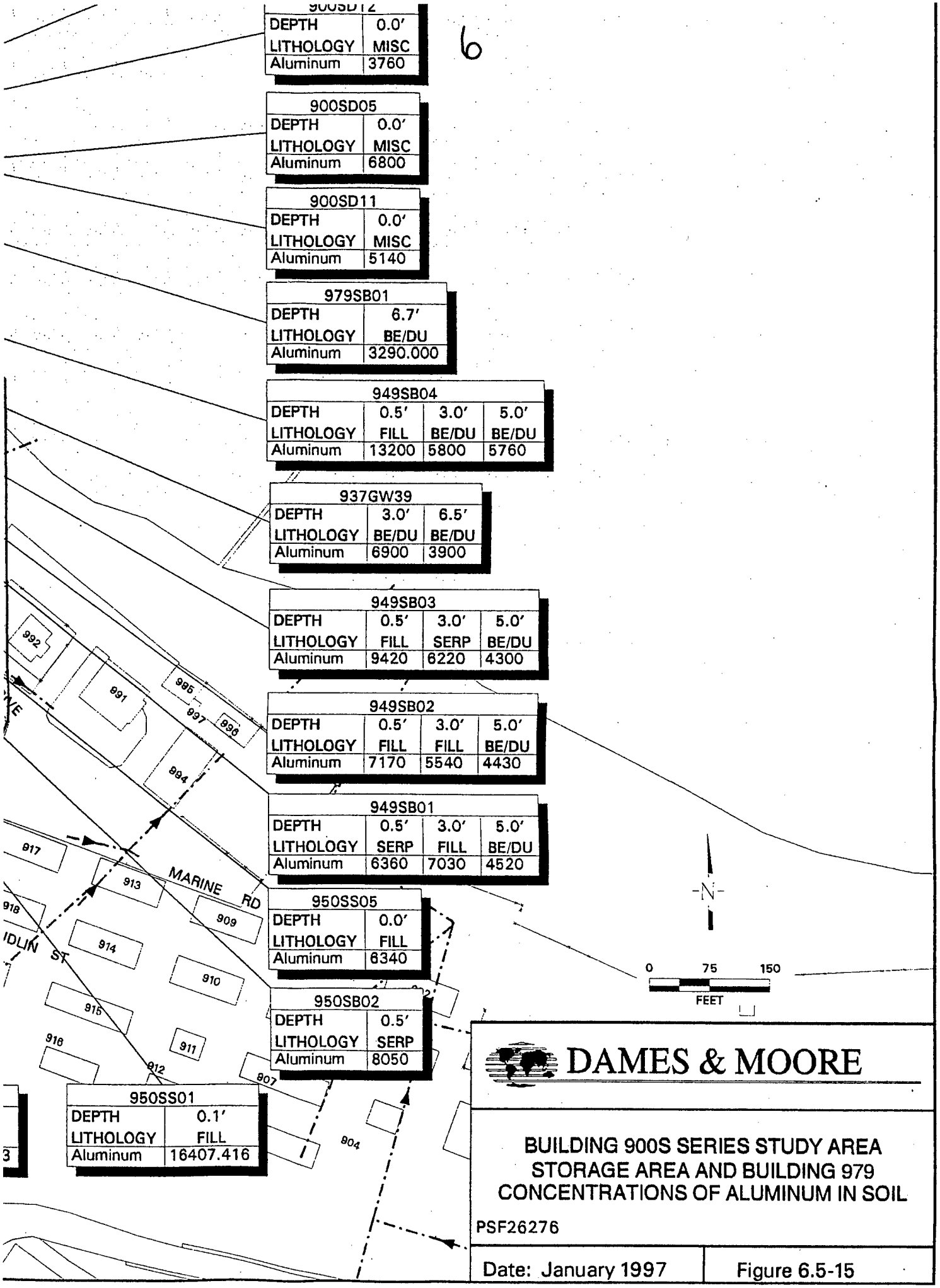

5
Shoreline
974
973
949
968
937
936
933
934
931
930
929
926
923
924
942
993
992
991
995
997
996
994
917
913
909
918
914
919
910
915
916
911
912
907
Target Range*
MARINE DRIVE
HAMILTON
MARINE RD
MAUDLIN ST
CRISSY FIELD ROAD
AVE
ROAD
OLN AVE
950SB03
TH 0.5'
OLOGY SERP
ninum 9260
950SS03
DEPTH 0.3'
LITHOLOGY FILL
Aluminum 17710.943
950SS01
DEPTH 0.1'
LITHOLOGY FILL
Aluminum 16407.416



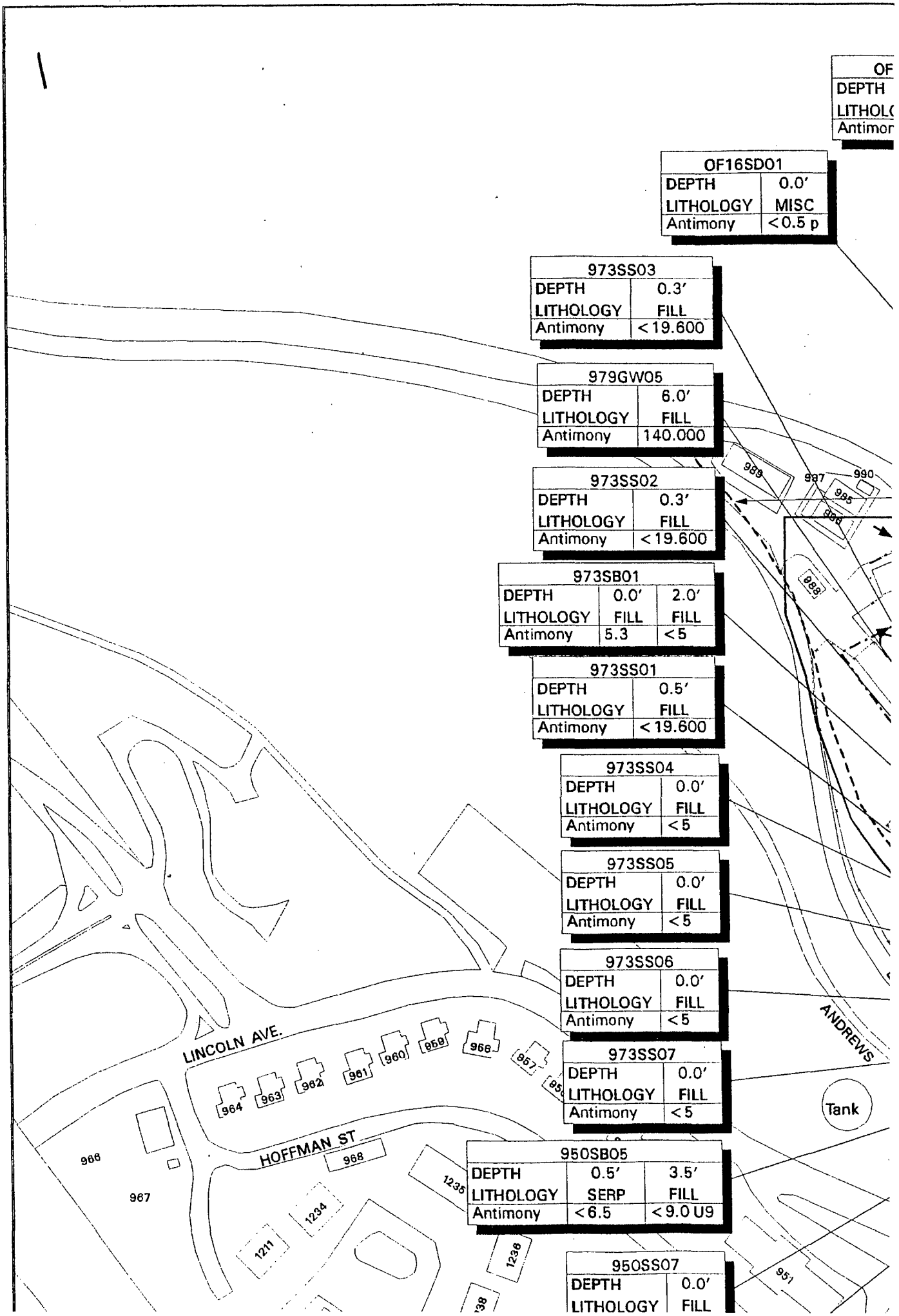
6

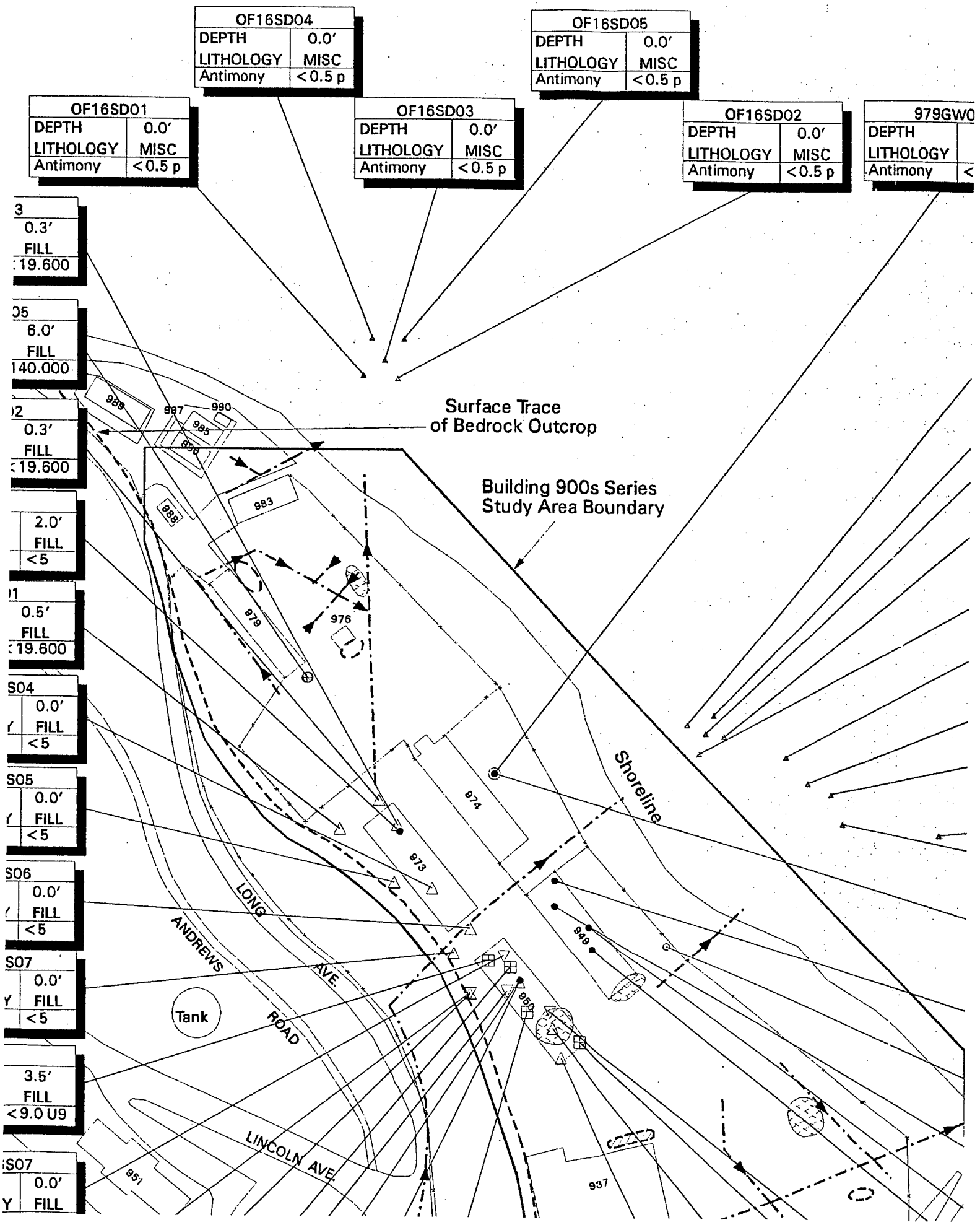
DAMES & MOORE

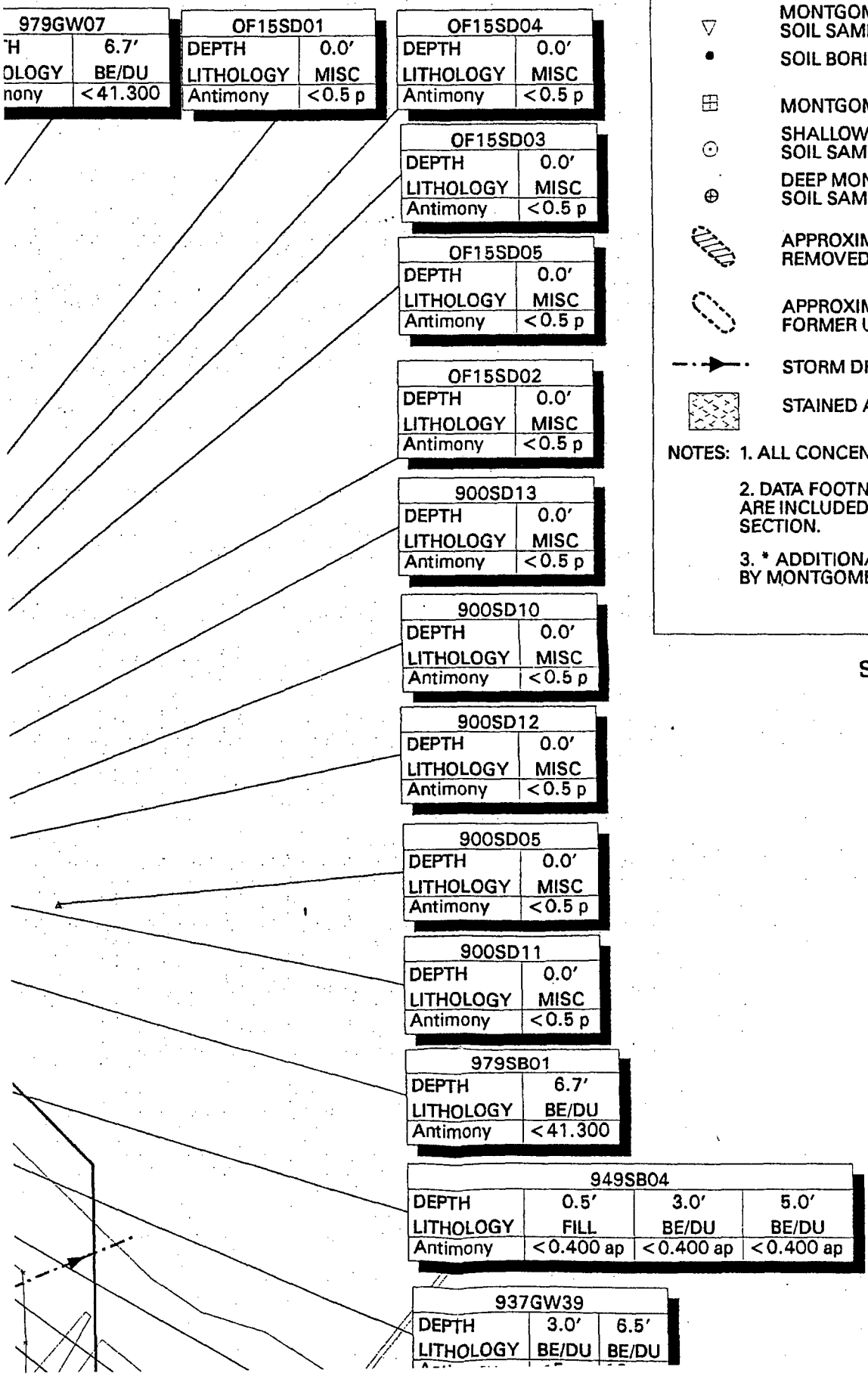
BUILDING 900S SERIES STUDY AREA
STORAGE AREA AND BUILDING 979
CONCENTRATIONS OF ALUMINUM IN SOIL

PSF26276

Date: January 1997 | Figure 6.5-15


OF
DEPTH
LITHOLO
Antimor
OF16SD01
DEPTH 0.0′
LITHOLOGY MISC
Antimony <0.5 p
973SS03
DEPTH 0.3′
LITHOLOGY FILL
Antimony <19.600
979GW05
DEPTH 6.0′
LITHOLOGY FILL
Antimony 140.000
973SS02
DEPTH 0.3′
LITHOLOGY FILL
Antimony <19.600
973SB01
DEPTH 0.0′ 2.0′
LITHOLOGY FILL FILL
Antimony 5.3 <5
973SS01
DEPTH 0.5′
LITHOLOGY FILL
Antimony <19.600
973SS04
DEPTH 0.0′
LITHOLOGY FILL
Antimony <5
973SS05
DEPTH 0.0′
LITHOLOGY FILL
Antimony <5
973SS06
DEPTH 0.0′
LITHOLOGY FILL
Antimony <5
973SS07
DEPTH 0.0′
LITHOLOGY FILL
Antimony <5
950SB05
DEPTH 0.5′ 3.5′
LITHOLOGY SERP FILL
Antimony <6.5 <9.0 U9
950SS07
DEPTH 0.0′
LITHOLOGY FILL
LINCOLN AVE.
HOFFMAN ST
ANDREWS
Tank
964
963
962
961
960
959
958
957
968
967
1211
1234
1235
1238
951


OF16SD04
DEPTH 0.0'
LITHOLOGY MISC
Antimony <0.5 p
OF16SD05
DEPTH 0.0'
LITHOLOGY MISC
Antimony <0.5 p
OF16SD01
DEPTH 0.0'
LITHOLOGY MISC
Antimony <0.5 p
OF16SD03
DEPTH 0.0'
LITHOLOGY MISC
Antimony <0.5 p
OF16SD02
DEPTH 0.0'
LITHOLOGY MISC
Antimony <0.5 p
979GW0
DEPTH
LITHOLOGY
Antimony <
3
0.3'
FILL
19.600
05
6.0'
FILL
140.000
02
0.3'
FILL
19.600
2.0'
FILL
<5
01
0.5'
FILL
19.600
S04
0.0'
FILL
<5
S05
0.0'
FILL
<5
S06
0.0'
FILL
<5
S07
0.0'
FILL
<5
3.5'
FILL
<9.0 U9
S07
0.0'
FILL
Surface Trace
of Bedrock Outcrop
Building 900s Series
Study Area Boundary
Shoreline
LONG
ANDREWS
AVE.
ROAD
LINCOLN AVE.
Tank
989
987
990
995
996
988
983
979
976
974
973
949
950
951
937



EXPLANATION

- ESAP SEDIMENT SAMPLE
- SURFACE SOIL SAMPLE
- MONTGOMERY WATSON SURFACE SOIL SAMPLE
- SOIL BORING
- MONTGOMERY WATSON SOIL BORING
- SHALLOW MONITORING WELL WITH SOIL SAMPLES
- DEEP MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STORM DRAIN WITH FLOW DIRECTION
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

San Francisco Bay

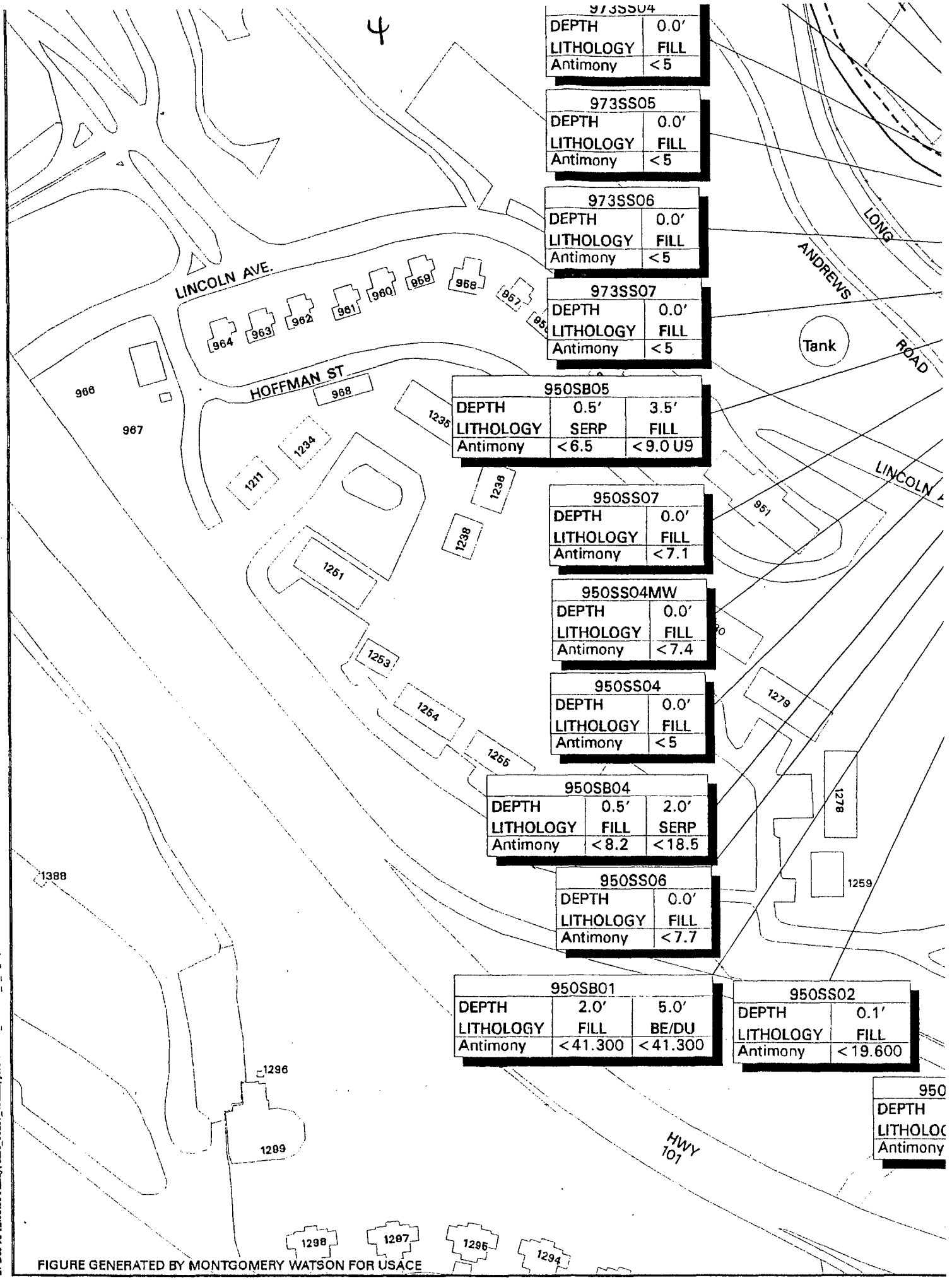


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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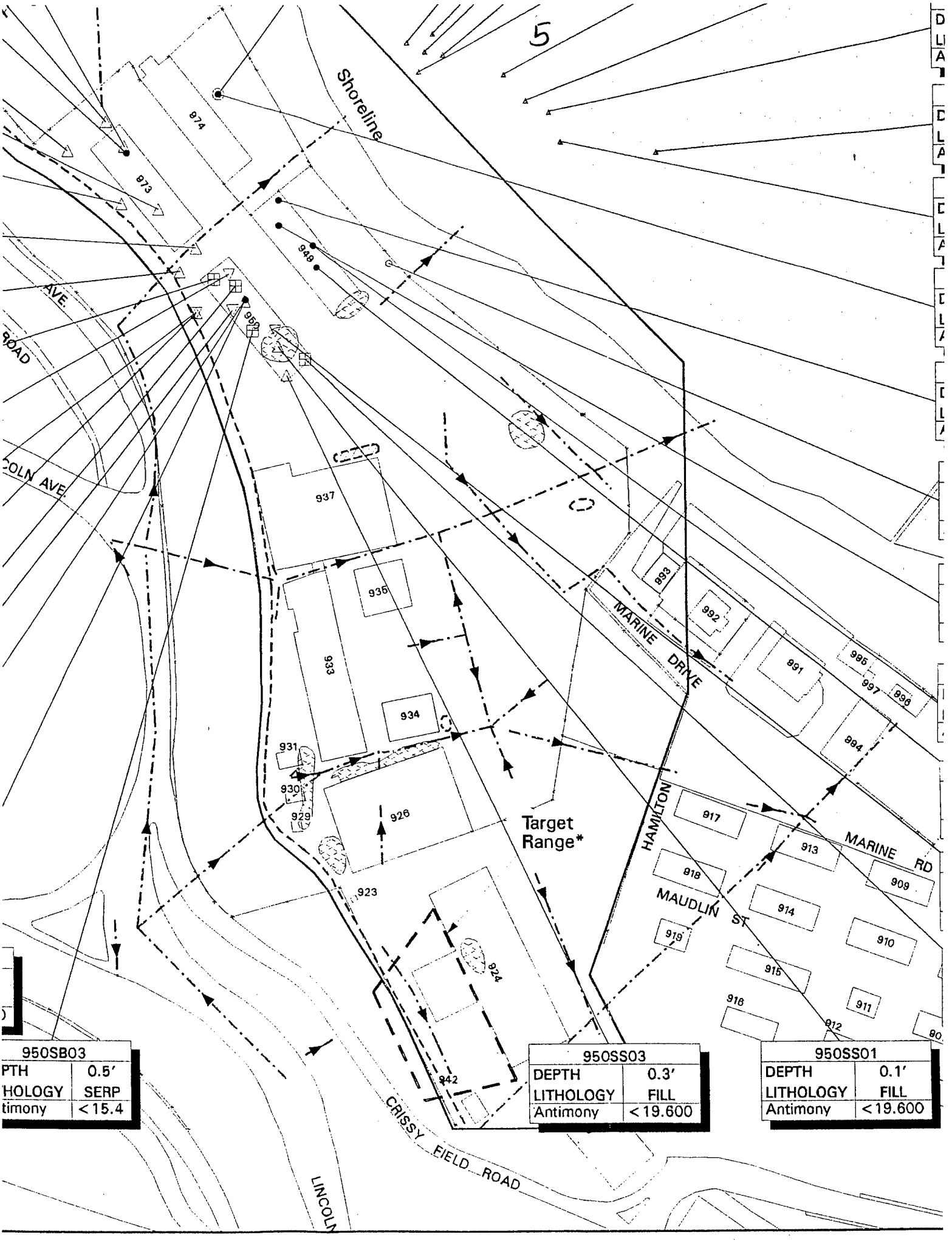
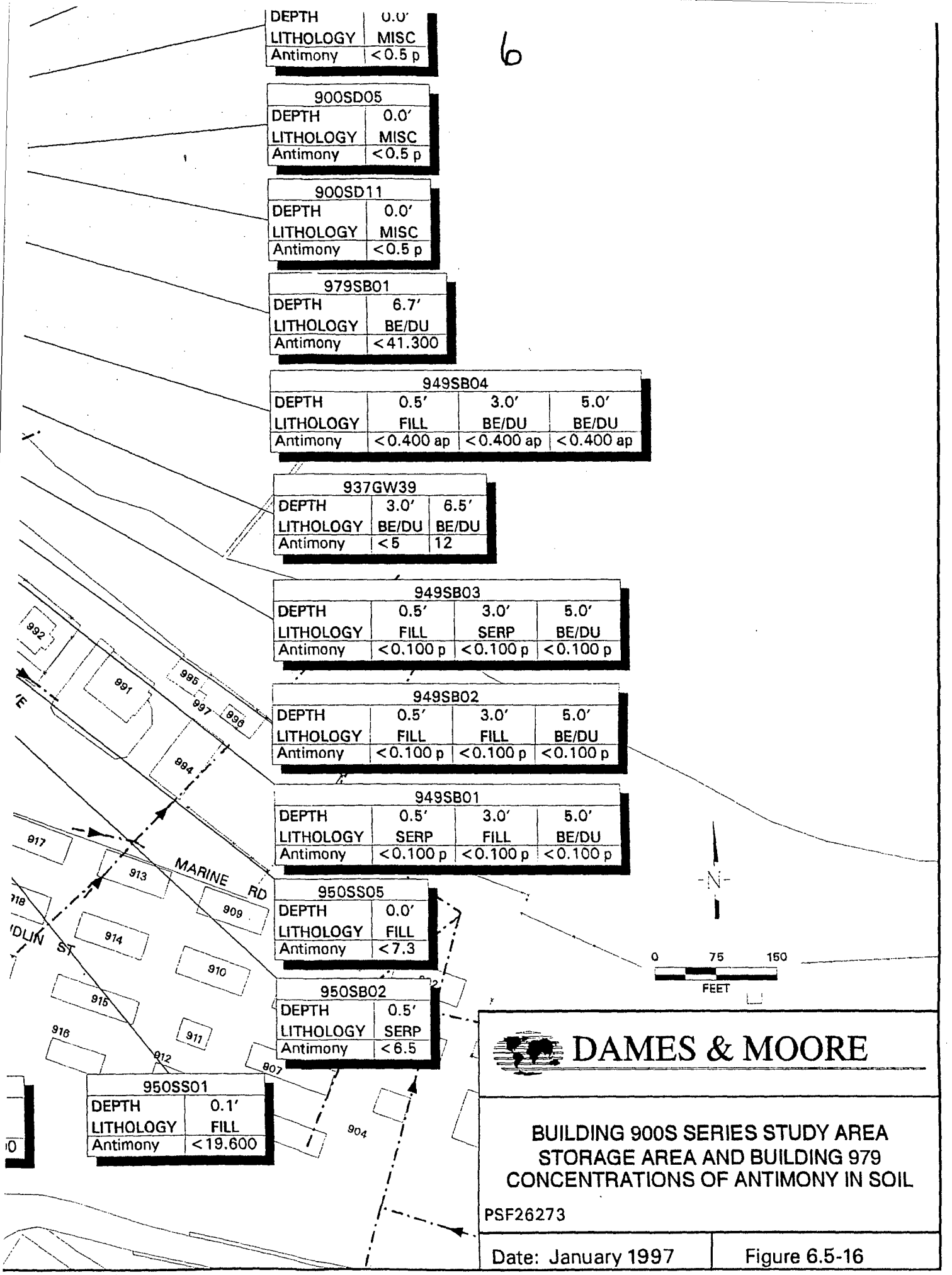

5
Shoreline
874
873
949
959
937
935
933
934
931
930
929
926
923
924
942
Target Range*
MARINE DRIVE
893
992
991
995
997
898
984
HAMILTON
917
913
MARINE RD
909
918
MAUDLIN ST
914
919
910
915
916
911
912
CRISSY FIELD ROAD
950SB03
PTH 0.5'
HOLOGY SERP
timony <15.4
950SS03
DEPTH 0.3'
LITHOLOGY FILL
Antimony <19.600
950SS01
DEPTH 0.1'
LITHOLOGY FILL
Antimony <19.600

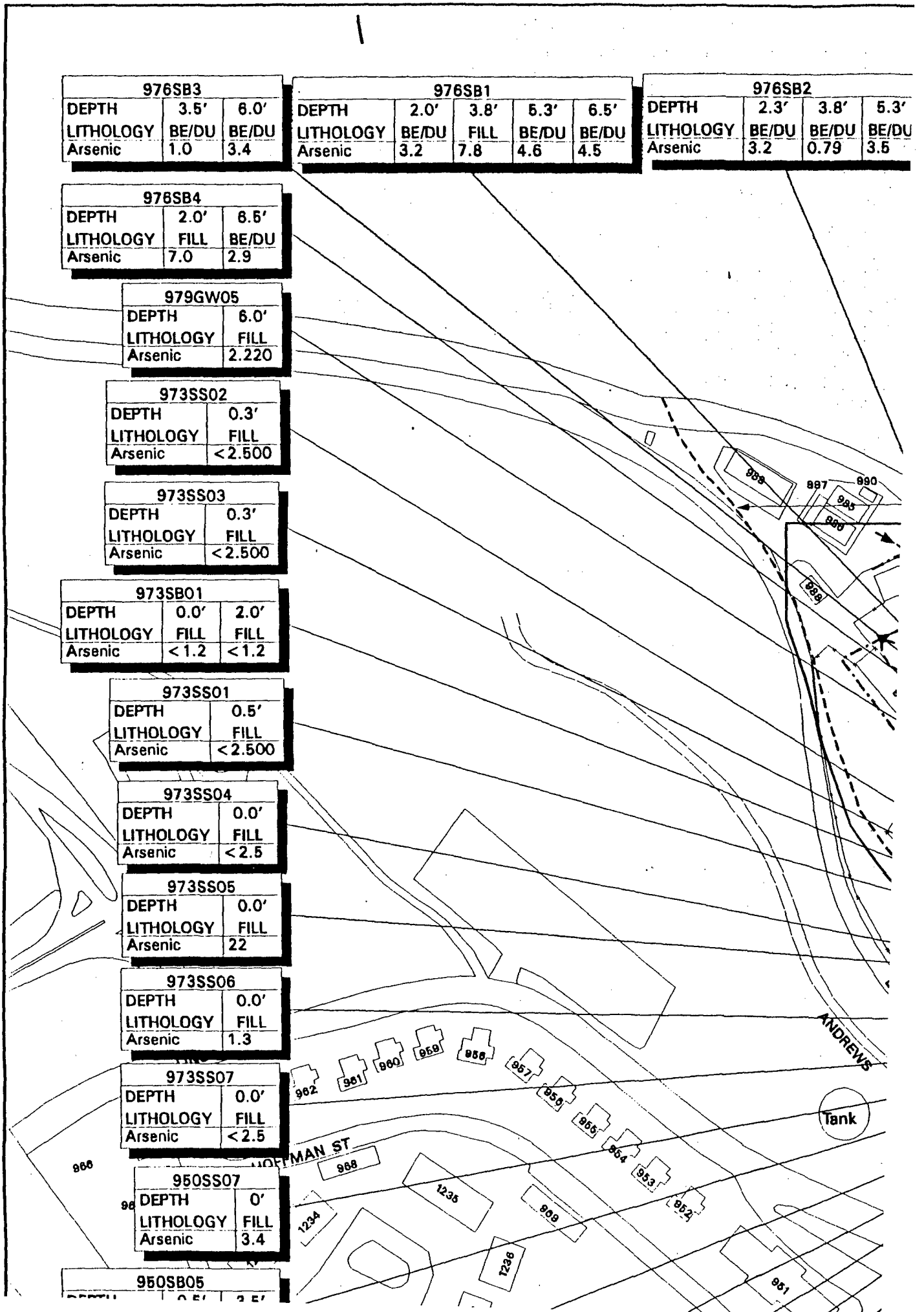


DAMES & MOORE

BUILDING 900S SERIES STUDY AREA
STORAGE AREA AND BUILDING 979
CONCENTRATIONS OF ANTIMONY IN SOIL

PSF26273

Date: January 1997 | Figure 6.5-16


976SB3
DEPTH 3.5' 6.0'
LITHOLOGY BE/DU BE/DU
Arsenic 1.0 3.4
976SB1
DEPTH 2.0' 3.8' 5.3' 6.5'
LITHOLOGY BE/DU FILL BE/DU BE/DU
Arsenic 3.2 7.8 4.6 4.5
976SB2
DEPTH 2.3' 3.8' 5.3'
LITHOLOGY BE/DU BE/DU BE/DU
Arsenic 3.2 0.79 3.5
976SB4
DEPTH 2.0' 6.5'
LITHOLOGY FILL BE/DU
Arsenic 7.0 2.9
979GW05
DEPTH 6.0'
LITHOLOGY FILL
Arsenic 2.220
973SS02
DEPTH 0.3'
LITHOLOGY FILL
Arsenic <2.500
973SS03
DEPTH 0.3'
LITHOLOGY FILL
Arsenic <2.500
973SB01
DEPTH 0.0' 2.0'
LITHOLOGY FILL FILL
Arsenic <1.2 <1.2
973SS01
DEPTH 0.5'
LITHOLOGY FILL
Arsenic <2.500
973SS04
DEPTH 0.0'
LITHOLOGY FILL
Arsenic <2.5
973SS05
DEPTH 0.0'
LITHOLOGY FILL
Arsenic 22
973SS06
DEPTH 0.0'
LITHOLOGY FILL
Arsenic 1.3
973SS07
DEPTH 0.0'
LITHOLOGY FILL
Arsenic <2.5
950SS07
DEPTH 0'
LITHOLOGY FILL
Arsenic 3.4
950SB05
ANDREWS
Tank
HOFFMAN ST
962
961
960
959
958
957
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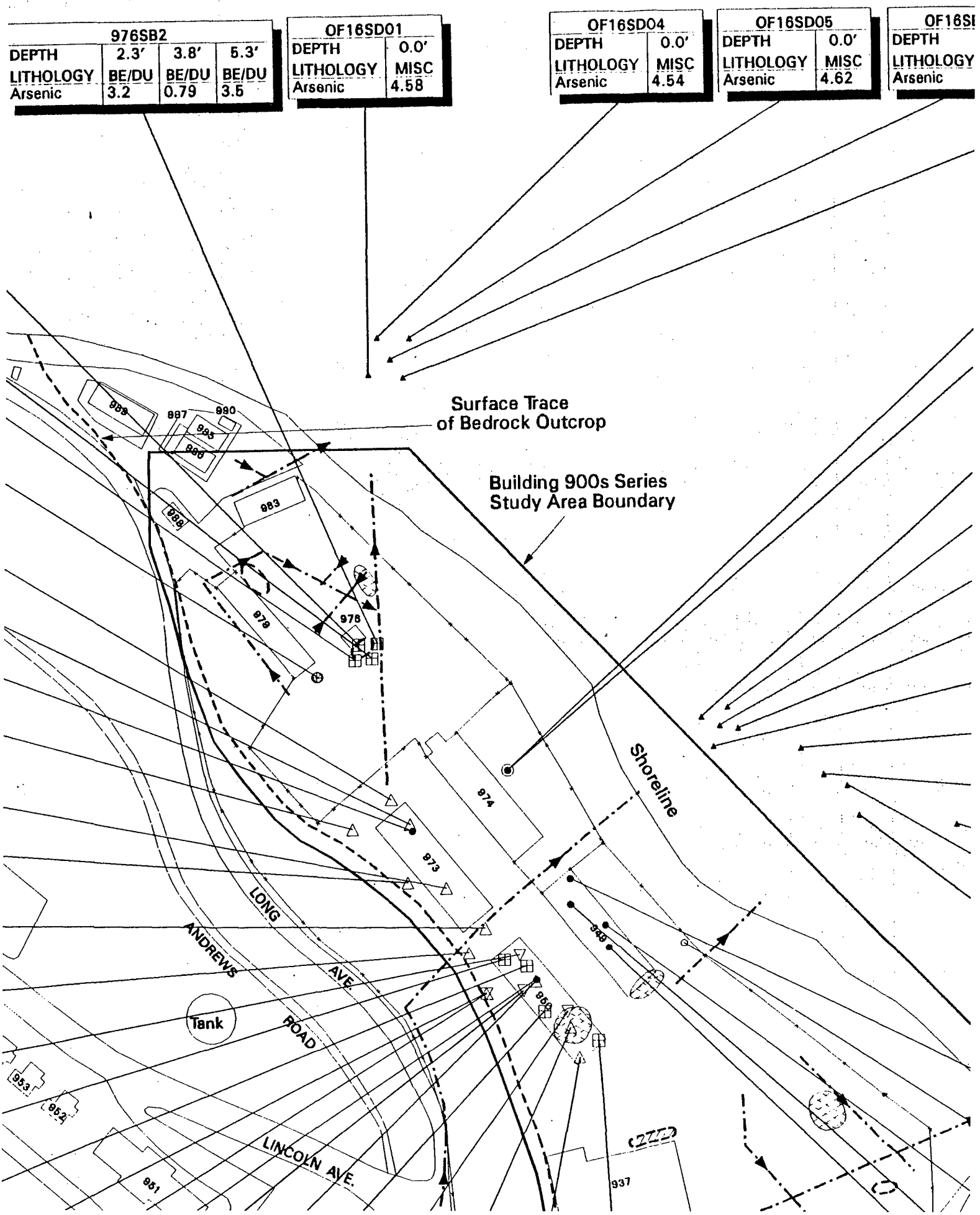
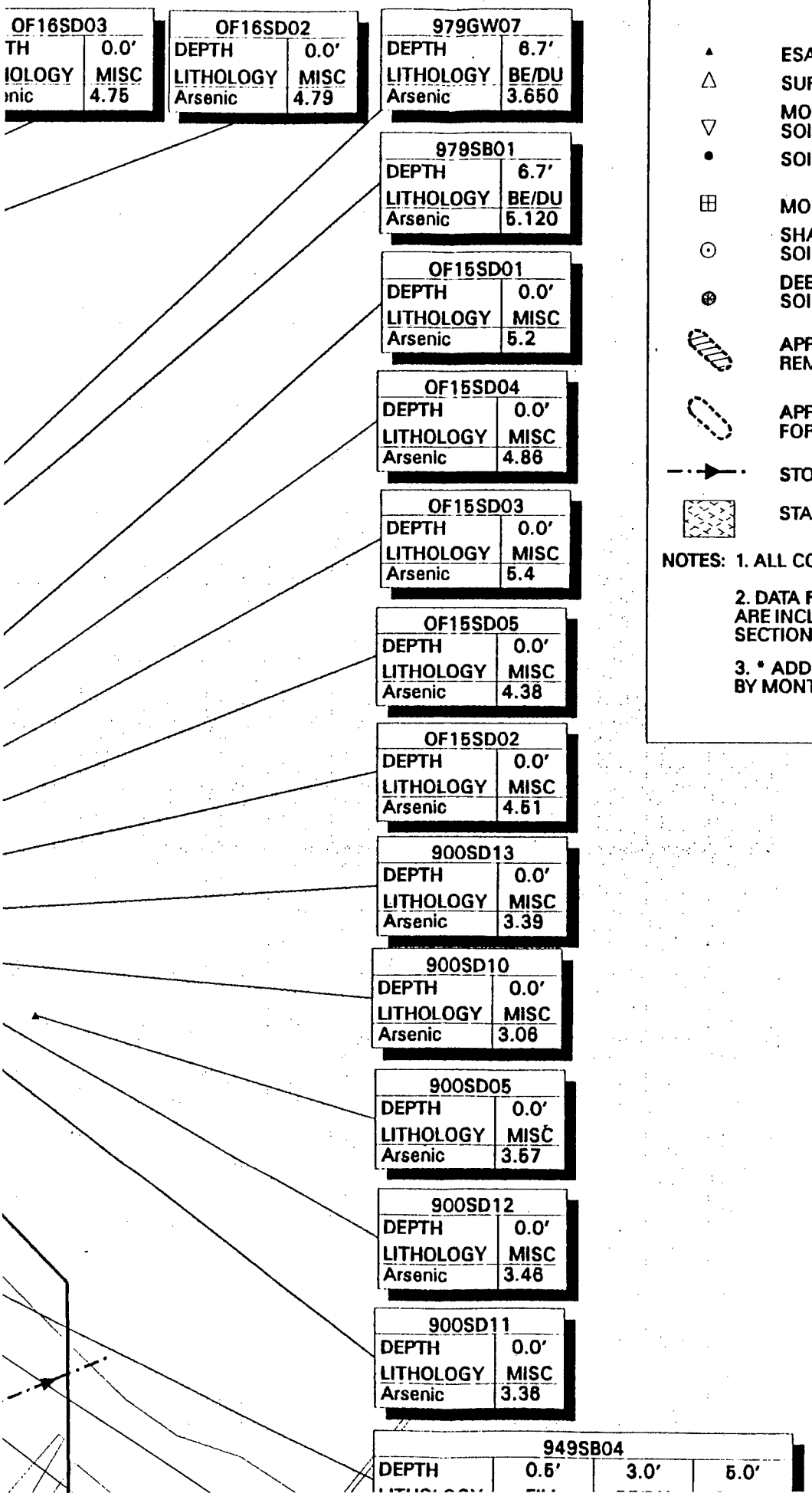
1235
1234
1236
969


976SB2
DEPTH | 2.3' | 3.8' | 5.3'
LITHOLOGY | BE/DU | BE/DU | BE/DU
Arsenic | 3.2 | 0.79 | 3.5
OF16SD01
DEPTH | 0.0'
LITHOLOGY | MISC
Arsenic | 4.58
OF16SD04
DEPTH | 0.0'
LITHOLOGY | MISC
Arsenic | 4.54
OF16SD05
DEPTH | 0.0'
LITHOLOGY | MISC
Arsenic | 4.62
OF16SI
DEPTH
LITHOLOGY
Arsenic
Surface Trace of Bedrock Outcrop
Building 900s Series Study Area Boundary
Shoreline
LONG ANDREWS AVE.
ROAD
LINCOLN AVE.
Tank
989
987
990
985
986
983
988
979
978
974
973
969
953
952
951
937



EXPLANATION

- ESAP SEDIMENT SAMPLE
- SURFACE SOIL SAMPLE
- MONTGOMERY WATSON SURFACE SOIL SAMPLE
- SOIL BORING
- MONTGOMERY WATSON SOIL BORING
- SHALLOW MONITORING WELL WITH SOIL SAMPLES
- DEEP MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STORM DRAIN WITH FLOW DIRECTION
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

San Francisco Bay

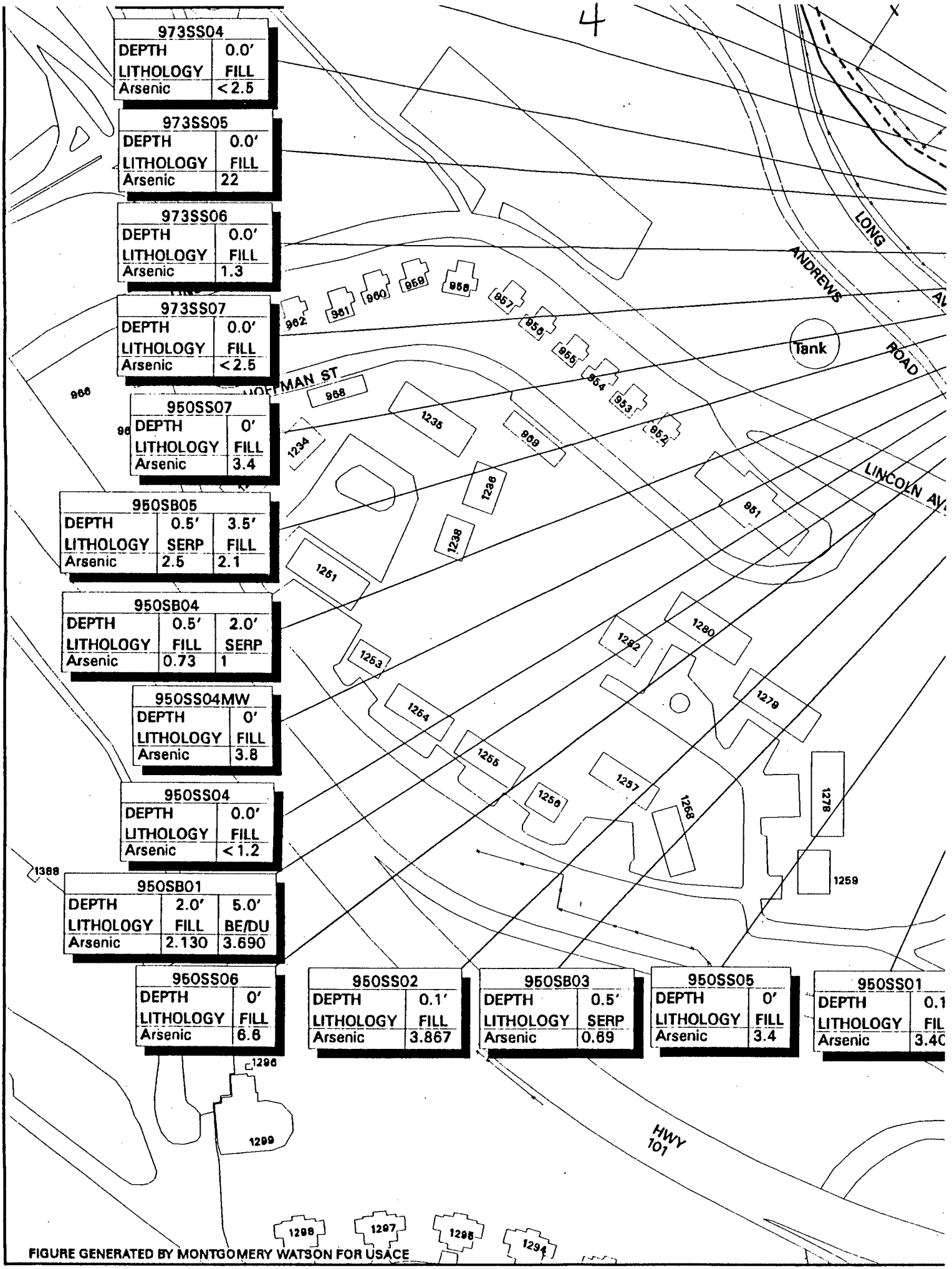
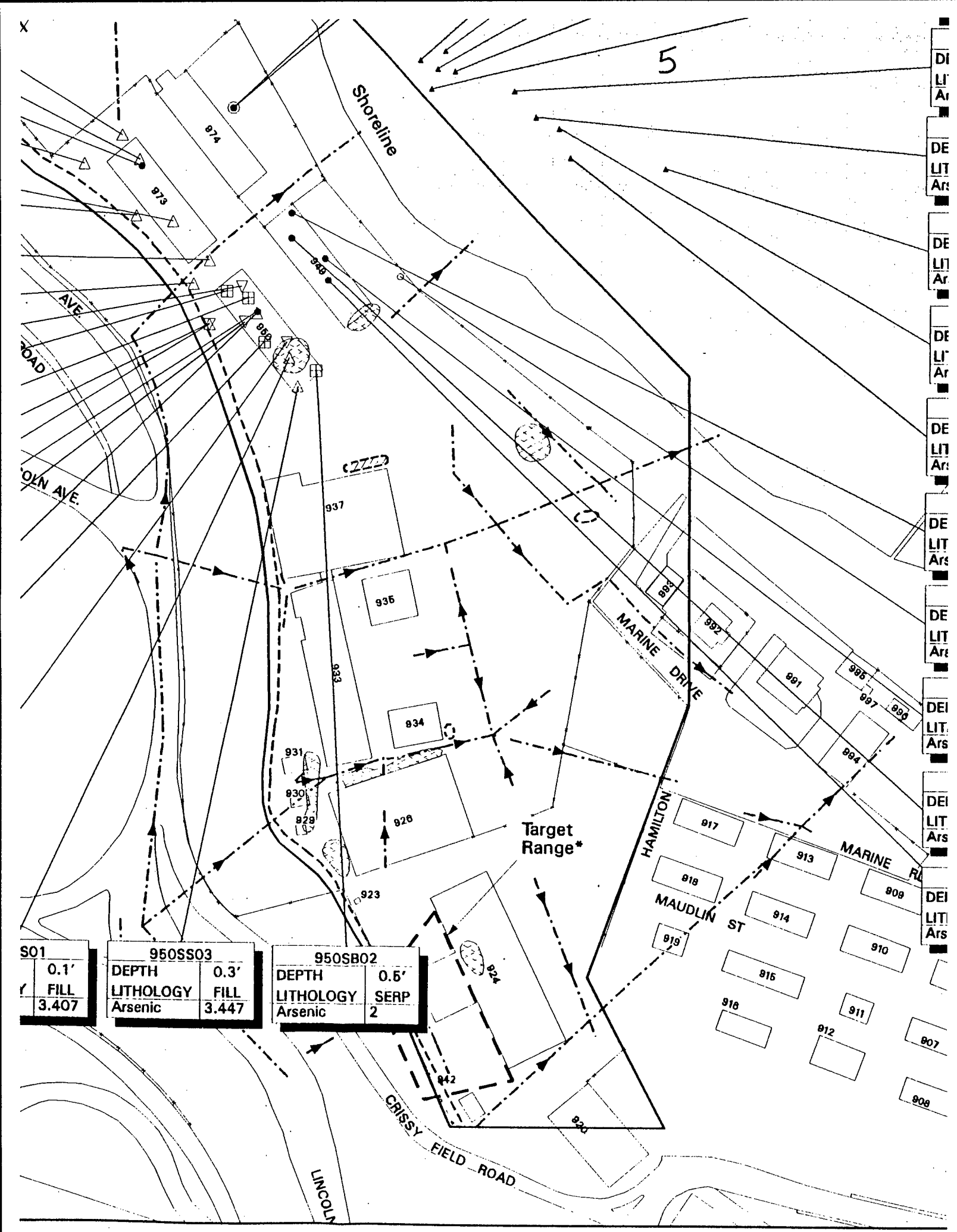
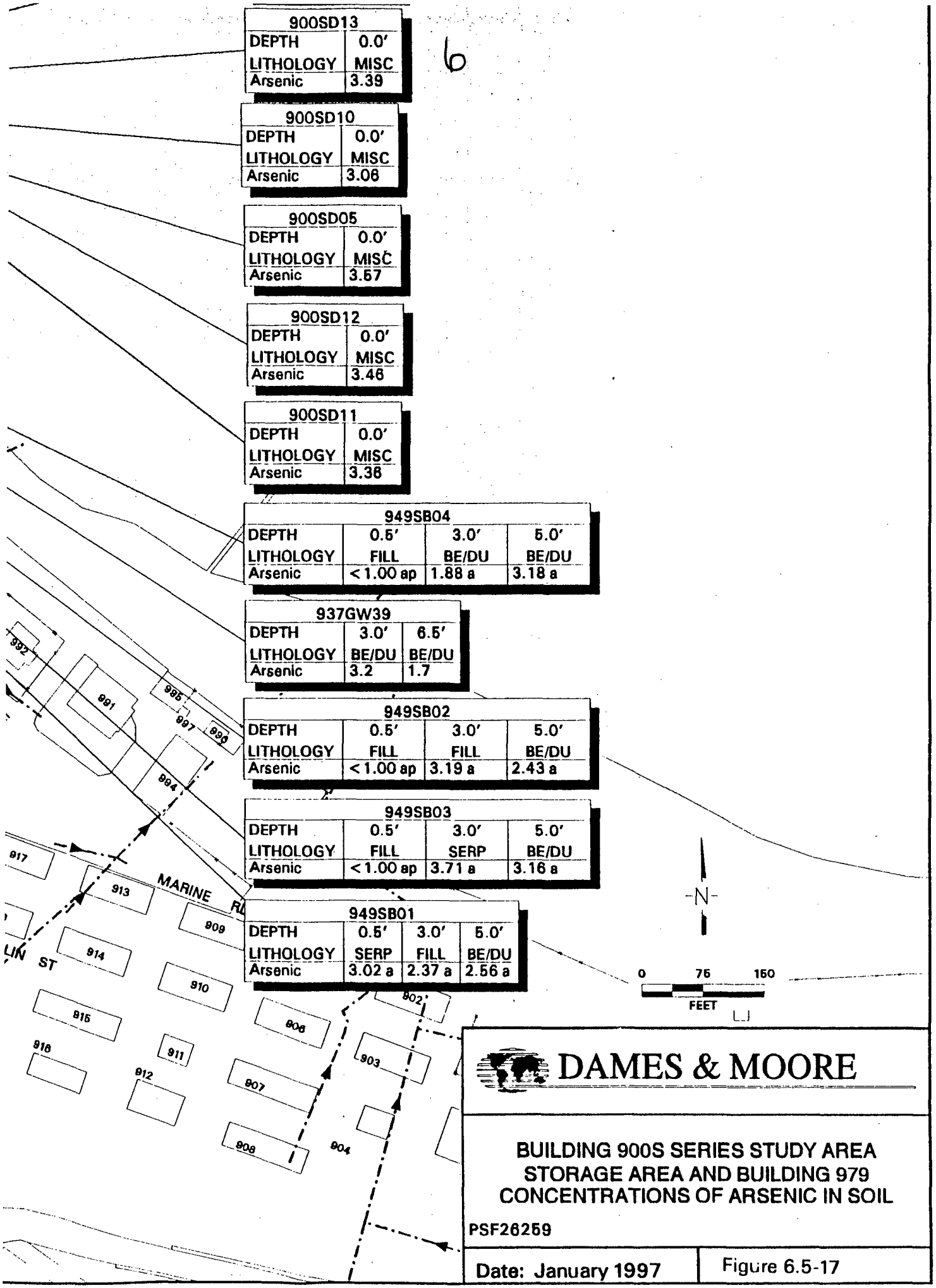


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

13 Jan 97 08:51:23 Monday, base_11x17_v3.smi, plotfile base_B949-79_S_3.cm_PSF


5
Shoreline
974
973
969
968
AVE.
937
935
933
934
931
930
929
926
923
924
942
920
MARINE DRIVE
992
991
988
997
994
HAMILTON
917
913
MARINE
918
909
MAUDLIN ST
914
919
910
915
916
911
912
907
908
Target Range*
CRISSY FIELD ROAD
950SS01
0.1'
FILL
3.407
950SS03
DEPTH
0.3'
LITHOLOGY
FILL
Arsenic
3.447
950SB02
DEPTH
0.5'
LITHOLOGY
SERP
Arsenic
2



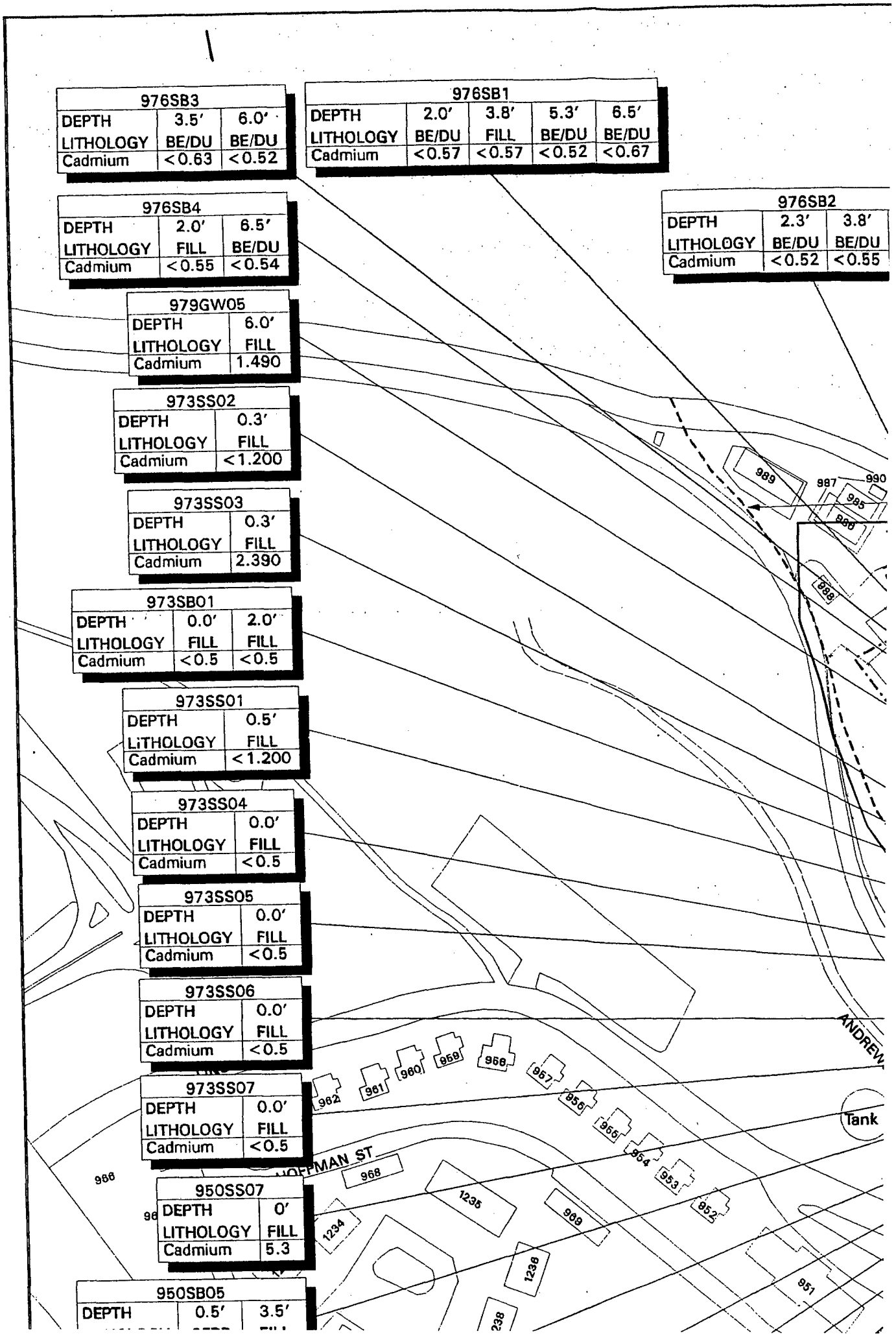
DAMES & MOORE

BUILDING 900S SERIES STUDY AREA
STORAGE AREA AND BUILDING 979
CONCENTRATIONS OF ARSENIC IN SOIL

PSF26259

Date: January 1997

Figure 6.5-17


976SB3
DEPTH | 3.5' | 6.0'
LITHOLOGY | BE/DU | BE/DU
Cadmium | <0.63 | <0.52
976SB1
DEPTH | 2.0' | 3.8' | 5.3' | 6.5'
LITHOLOGY | BE/DU | FILL | BE/DU | BE/DU
Cadmium | <0.57 | <0.57 | <0.52 | <0.67
976SB4
DEPTH | 2.0' | 6.5'
LITHOLOGY | FILL | BE/DU
Cadmium | <0.55 | <0.54
976SB2
DEPTH | 2.3' | 3.8'
LITHOLOGY | BE/DU | BE/DU
Cadmium | <0.52 | <0.55
979GW05
DEPTH | 6.0'
LITHOLOGY | FILL
Cadmium | 1.490
973SS02
DEPTH | 0.3'
LITHOLOGY | FILL
Cadmium | <1.200
973SS03
DEPTH | 0.3'
LITHOLOGY | FILL
Cadmium | 2.390
973SB01
DEPTH | 0.0' | 2.0'
LITHOLOGY | FILL | FILL
Cadmium | <0.5 | <0.5
973SS01
DEPTH | 0.5'
LITHOLOGY | FILL
Cadmium | <1.200
973SS04
DEPTH | 0.0'
LITHOLOGY | FILL
Cadmium | <0.5
973SS05
DEPTH | 0.0'
LITHOLOGY | FILL
Cadmium | <0.5
973SS06
DEPTH | 0.0'
LITHOLOGY | FILL
Cadmium | <0.5
973SS07
DEPTH | 0.0'
LITHOLOGY | FILL
Cadmium | <0.5
950SS07
DEPTH | 0'
LITHOLOGY | FILL
Cadmium | 5.3
950SB05
DEPTH | 0.5' | 3.5'
989
987
990
985
986
988
962
961
960
959
958
957
956
965
964
953
952
968
1235
969
1234
1238
951
Tank

OF16SD01	
DEPTH	0.0′
LITHOLOGY	MISC
Cadmium	<0.8

OF16SD04	
DEPTH	0.0′
LITHOLOGY	MISC
Cadmium	<0.8

OF16SD05	
DEPTH	0.0′
LITHOLOGY	MISC
Cadmium	<0.8

976SB2			
DEPTH	2.3′	3.8′	5.3′
LITHOLOGY	BE/DU	BE/DU	BE/DU
Cadmium	<0.52	<0.55	<0.53

Surface Trace of Bedrock Outcrop

Building 900s Series Study Area Boundary

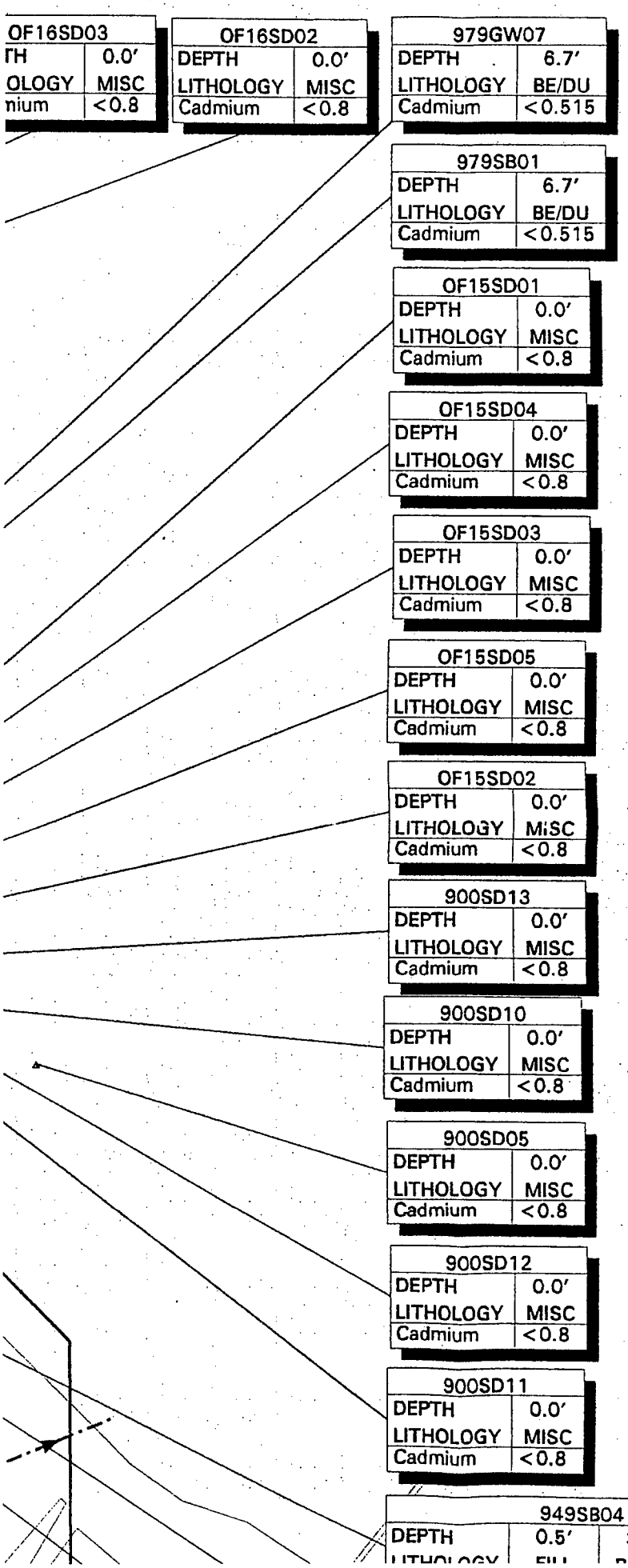
Shoreline

989 987 990 985 986 983 988 979 976 974 973 969 959 953 952 951 937

LONG ANDREWS AVE. ROAD

Tank

LINCOLN AVE.



EXPLANATION

- ESAP SEDIMENT SAMPLE
- SURFACE SOIL SAMPLE
- MONTGOMERY WATSON SURFACE SOIL SAMPLE
- SOIL BORING
- MONTGOMERY WATSON SOIL BORING
- SHALLOW MONITORING WELL WITH SOIL SAMPLES
- DEEP MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STORM DRAIN WITH FLOW DIRECTION
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

San Francisco Bay

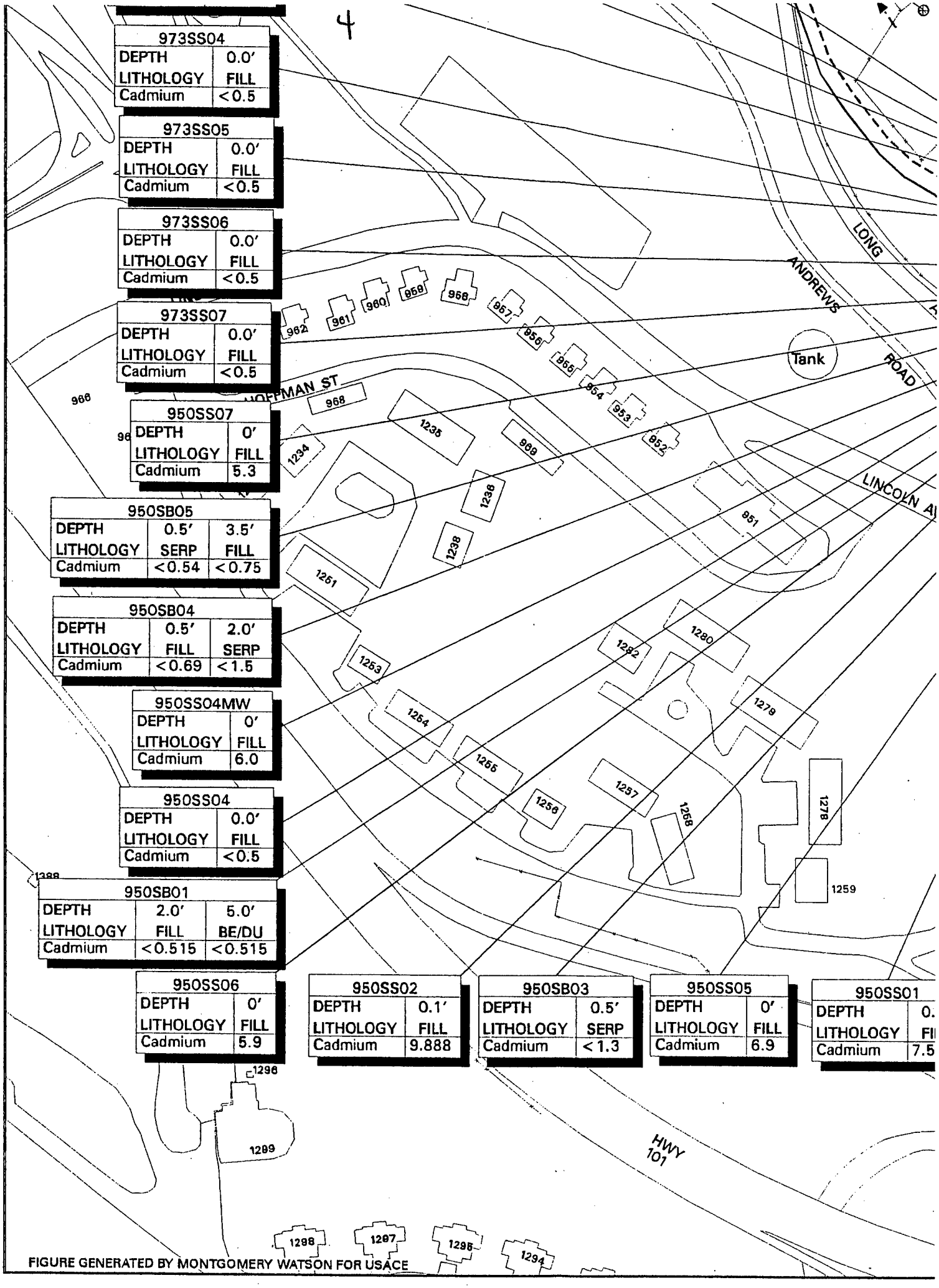
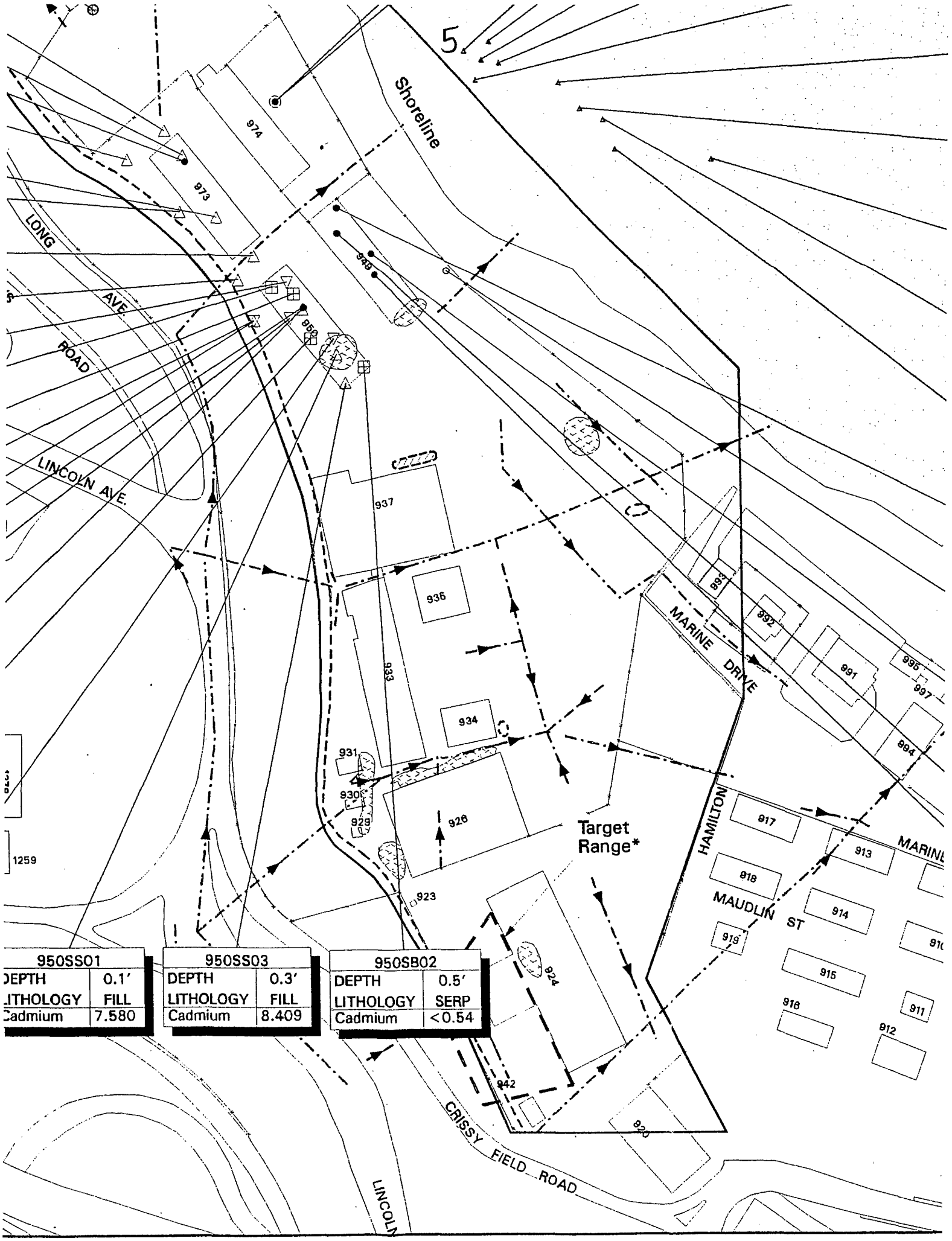
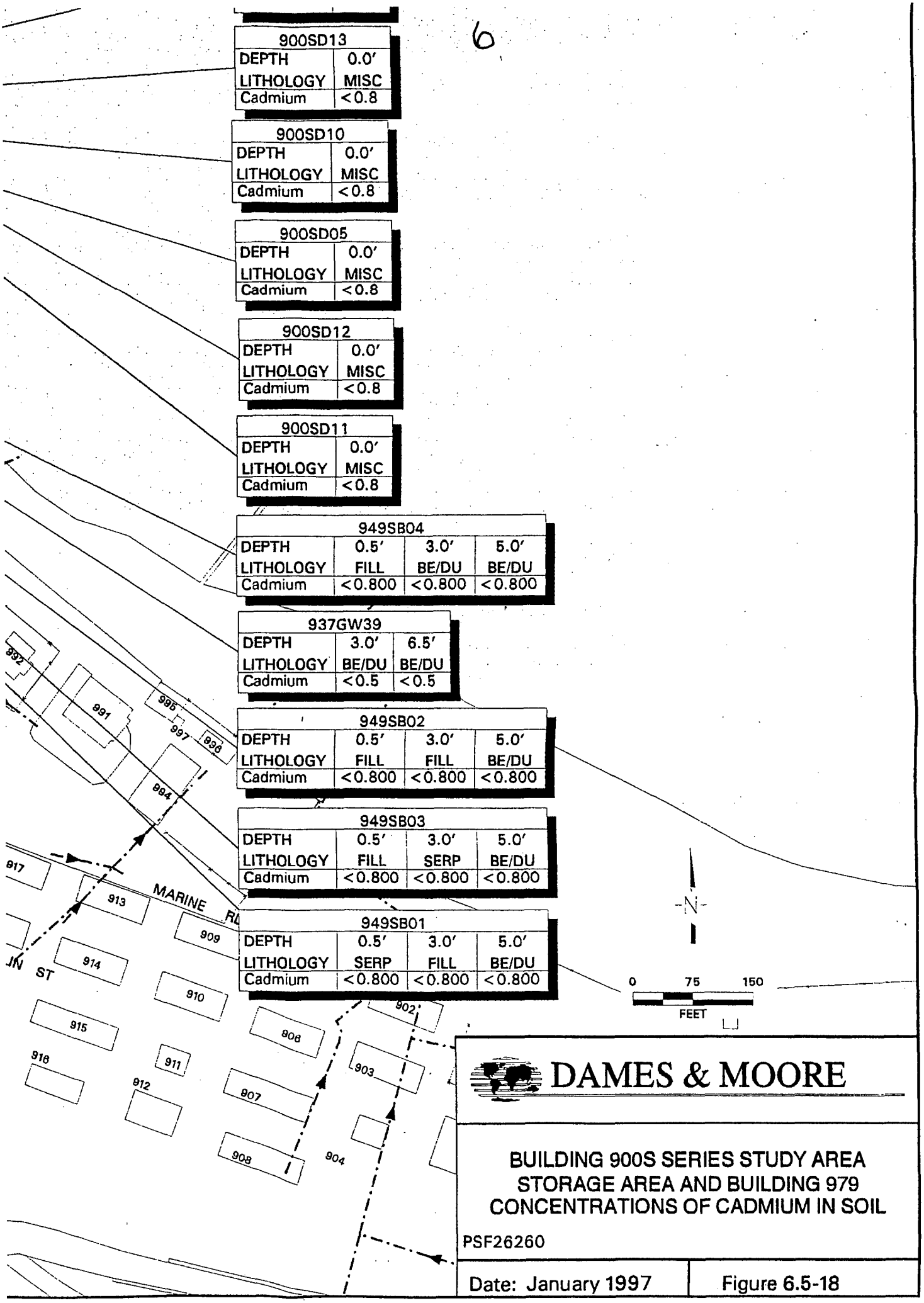


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

26 Dec 96 12:26:01 Thursday, base_11x17_v3.mxd, plotfile base_B949-79_S_6.grn, PSF


5
Shoreline
974
973
LONG
AVE.
ROAD
LINCOLN AVE.
949
950
937
936
933
934
931
930
929
926
923
Target
Range*
MARINE DRIVE
893
992
991
995
997
994
HAMILTON
MAUDLIN ST
917
913
918
914
919
915
916
911
912
924
942
920
CRISSY FIELD ROAD
LINCOLN
1259
950SS01
DEPTH 0.1'
LITHOLOGY FILL
Cadmium 7.580
950SS03
DEPTH 0.3'
LITHOLOGY FILL
Cadmium 8.409
950SB02
DEPTH 0.5'
LITHOLOGY SERP
Cadmium <0.54

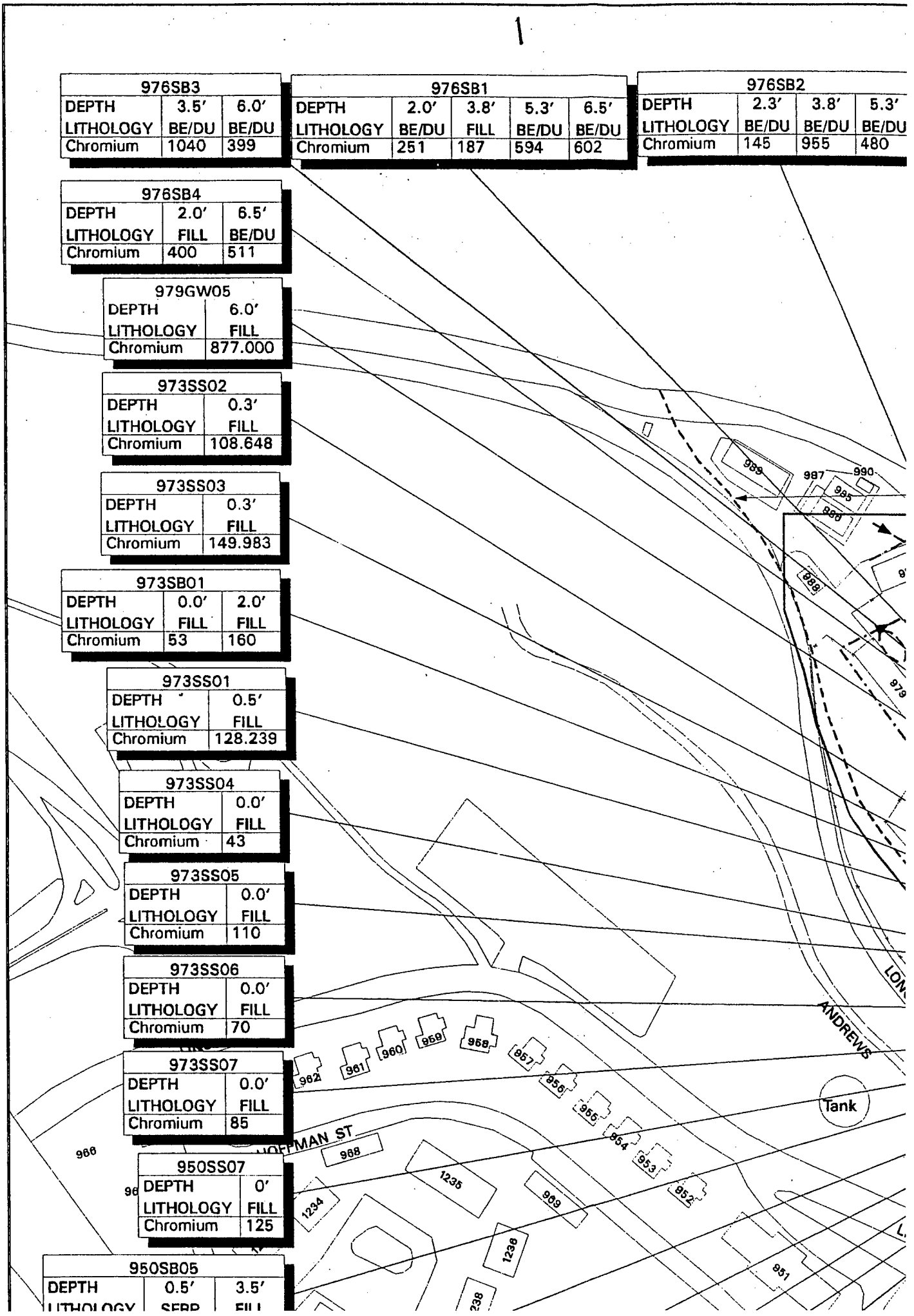


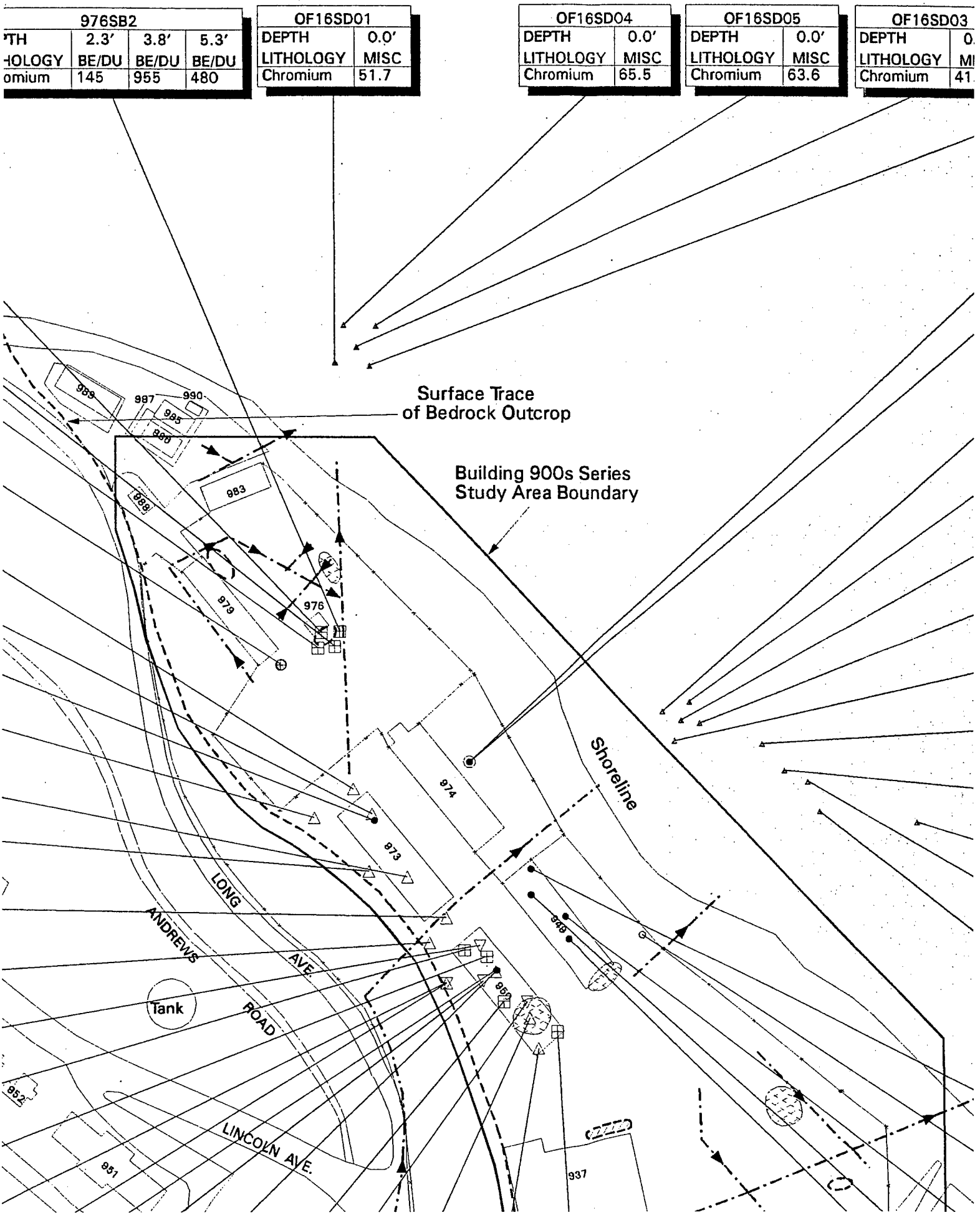
DAMES & MOORE

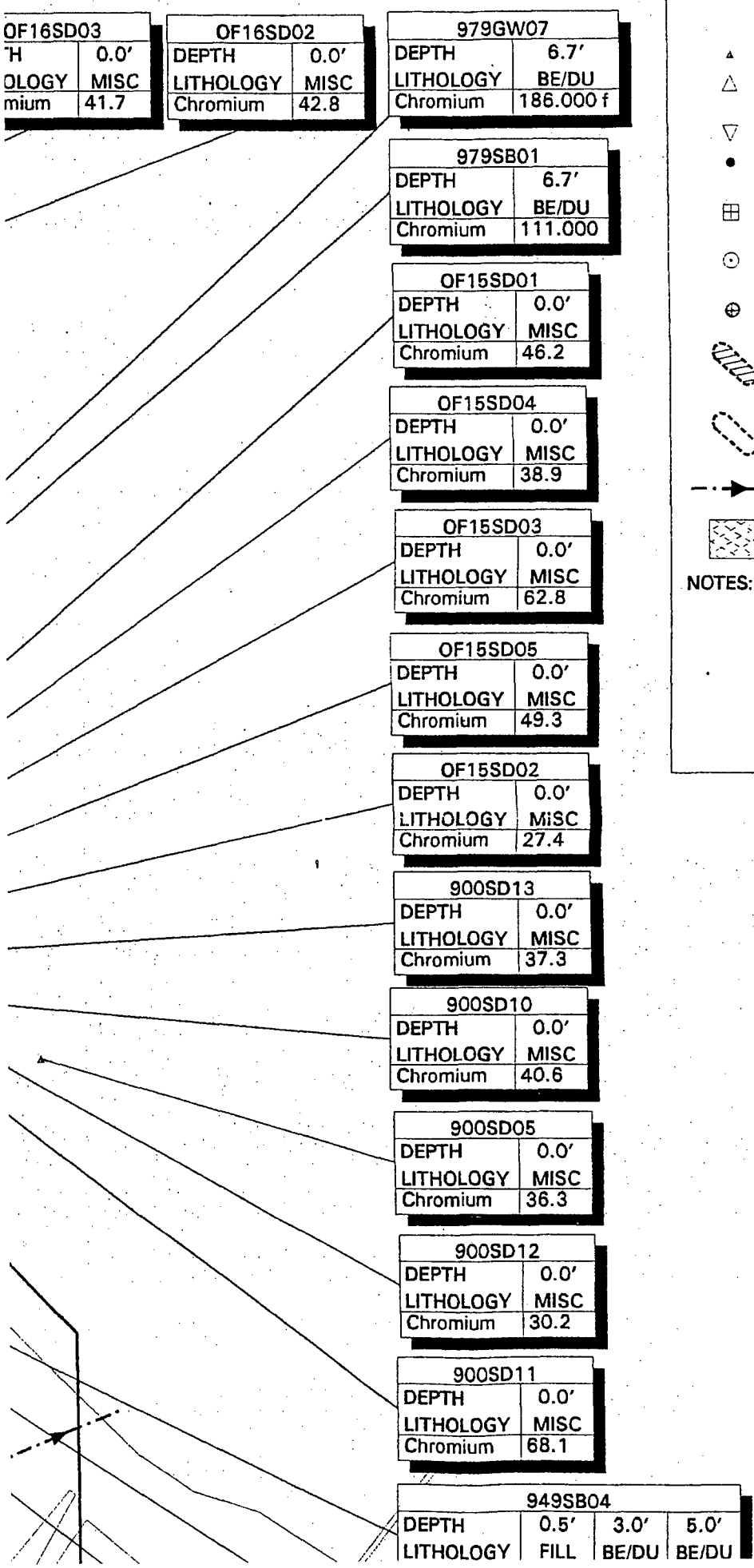
BUILDING 900S SERIES STUDY AREA
STORAGE AREA AND BUILDING 979
CONCENTRATIONS OF CADMIUM IN SOIL

PSF26260

Date: January 1997 | Figure 6.5-18


976SB3
DEPTH 3.5′ 6.0′
LITHOLOGY BE/DU BE/DU
Chromium 1040 399
976SB1
DEPTH 2.0′ 3.8′ 5.3′ 6.5′
LITHOLOGY BE/DU FILL BE/DU BE/DU
Chromium 251 187 594 602
976SB2
DEPTH 2.3′ 3.8′ 5.3′
LITHOLOGY BE/DU BE/DU BE/DU
Chromium 145 955 480
976SB4
DEPTH 2.0′ 6.5′
LITHOLOGY FILL BE/DU
Chromium 400 511
979GW05
DEPTH 6.0′
LITHOLOGY FILL
Chromium 877.000
973SS02
DEPTH 0.3′
LITHOLOGY FILL
Chromium 108.648
973SS03
DEPTH 0.3′
LITHOLOGY FILL
Chromium 149.983
973SB01
DEPTH 0.0′ 2.0′
LITHOLOGY FILL FILL
Chromium 53 160
973SS01
DEPTH 0.5′
LITHOLOGY FILL
Chromium 128.239
973SS04
DEPTH 0.0′
LITHOLOGY FILL
Chromium 43
973SS05
DEPTH 0.0′
LITHOLOGY FILL
Chromium 110
973SS06
DEPTH 0.0′
LITHOLOGY FILL
Chromium 70
973SS07
DEPTH 0.0′
LITHOLOGY FILL
Chromium 85
950SS07
DEPTH 0′
LITHOLOGY FILL
Chromium 125
950SB05
DEPTH 0.5′ 3.5′
989
987
990
985
986
988
979
ANDREWS
962
961
960
959
958
957
956
955
954
953
952
951
968
HOFFMAN ST
1235
1234
969
1238
238
Tank


976SB2
DEPTH | 2.3' | 3.8' | 5.3'
LITHOLOGY | BE/DU | BE/DU | BE/DU
Chromium | 145 | 955 | 480
OF16SD01
DEPTH | 0.0'
LITHOLOGY | MISC
Chromium | 51.7
OF16SD04
DEPTH | 0.0'
LITHOLOGY | MISC
Chromium | 65.5
OF16SD05
DEPTH | 0.0'
LITHOLOGY | MISC
Chromium | 63.6
OF16SD03
DEPTH | 0.
LITHOLOGY | MI
Chromium | 41
Surface Trace of Bedrock Outcrop
Building 900s Series Study Area Boundary
Shoreline
LONG ANDREWS AVE.
ROAD
LINCOLN AVE.
Tank
989
987
990
995
986
988
983
979
976
974
973
969
952
951
937



EXPLANATION

- ESAP SEDIMENT SAMPLE
- SURFACE SOIL SAMPLE
- MONTGOMERY WATSON SURFACE SOIL SAMPLE
- SOIL BORING
- MONTGOMERY WATSON SOIL BORING
- SHALLOW MONITORING WELL WITH SOIL SAMPLES
- DEEP MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STORM DRAIN WITH FLOW DIRECTION
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

San Francisco Bay

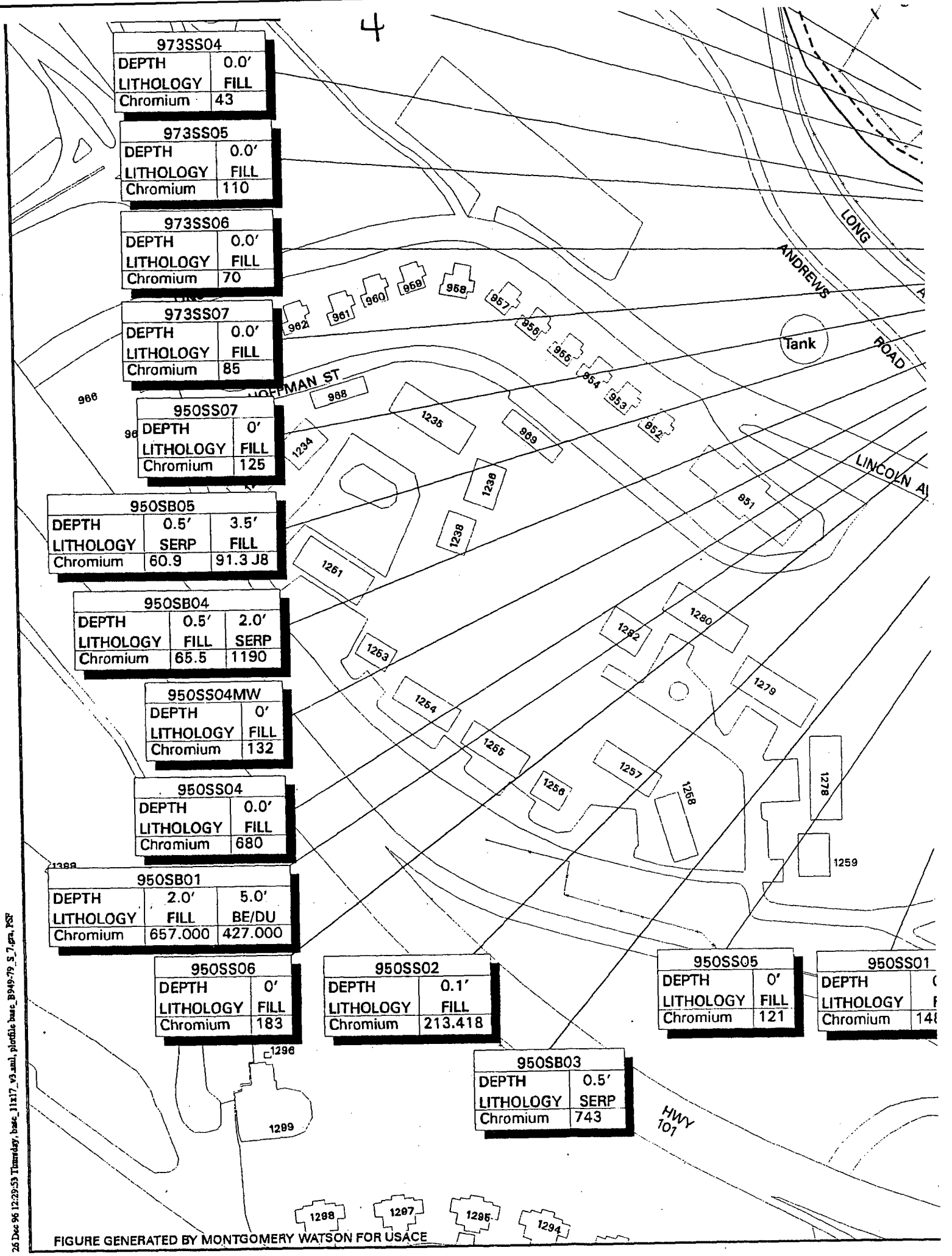


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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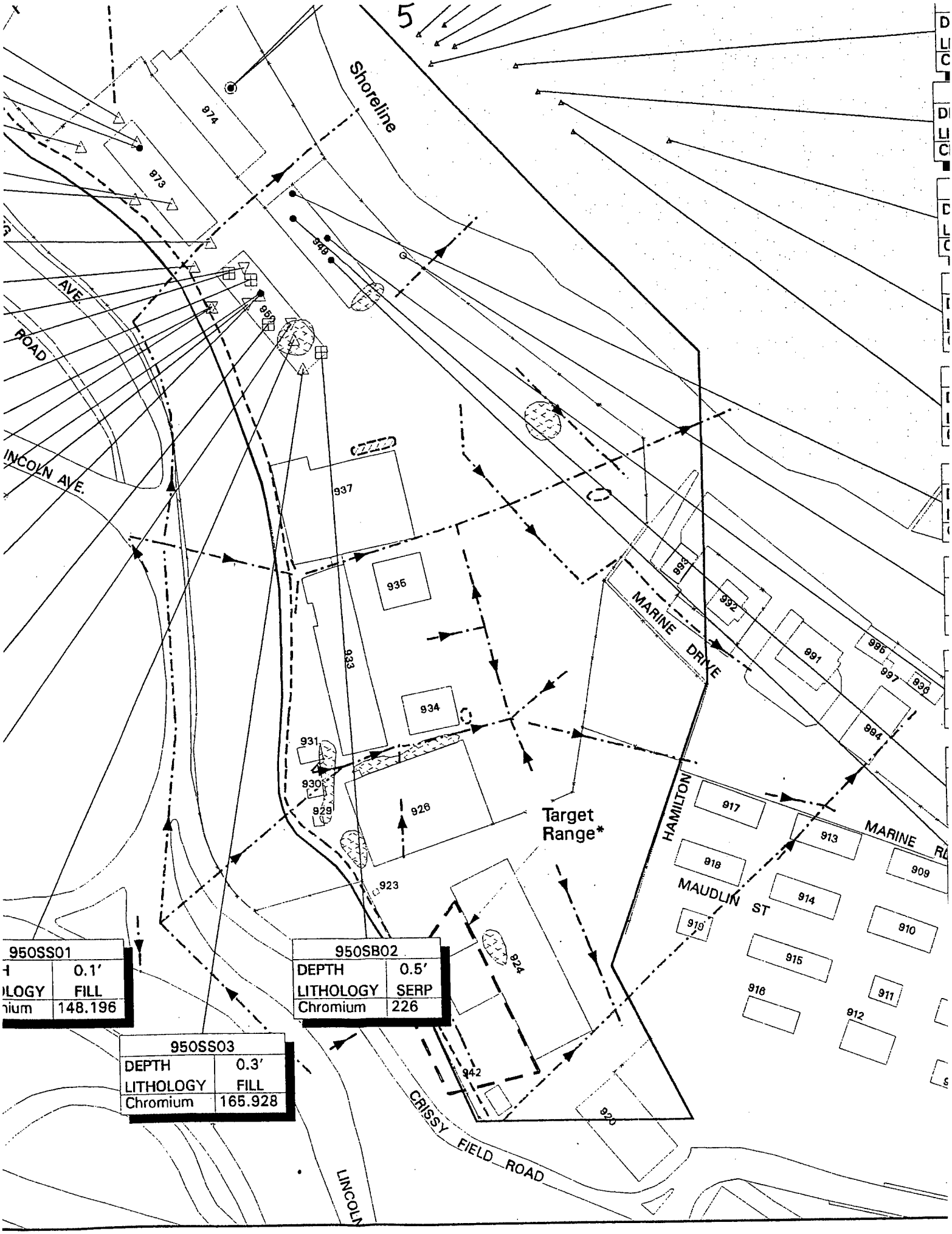
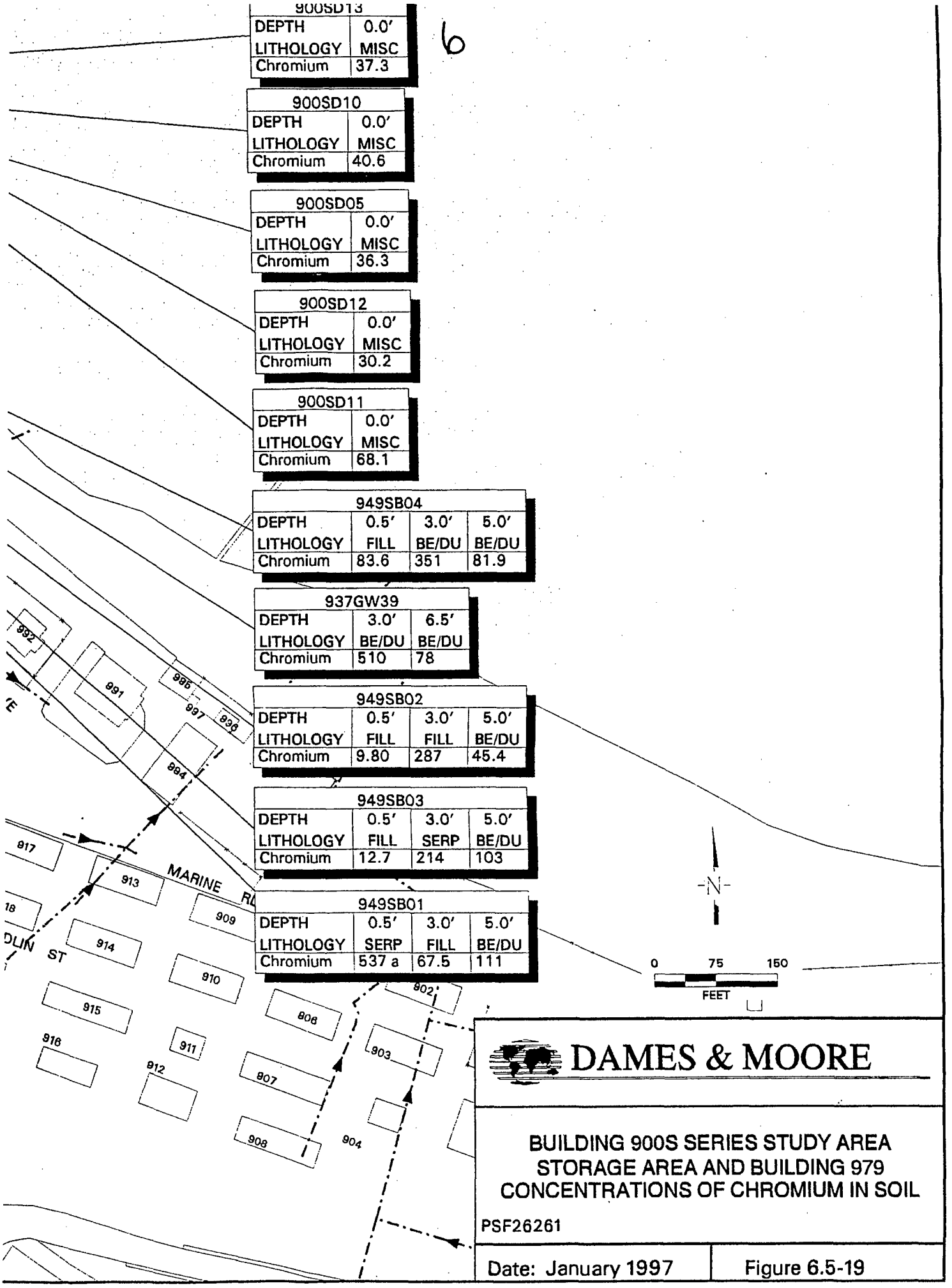

Shoreline
974
973
969
968
AVE.
ROAD
INCOLN AVE.
937
936
933
934
931
930
929
926
923
Target Range*
MARINE DRIVE
993
992
991
995
997
998
984
HAMILTON
917
913
MARINE RD
918
909
MAUDLIN ST
914
919
910
915
916
911
912
924
942
920
CRISSY FIELD ROAD
LINCOLN
950SS01
H 0.1'
OLOGY FILL
nium 148.196
950SB02
DEPTH 0.5'
LITHOLOGY SERP
Chromium 226
950SS03
DEPTH 0.3'
LITHOLOGY FILL
Chromium 165.928

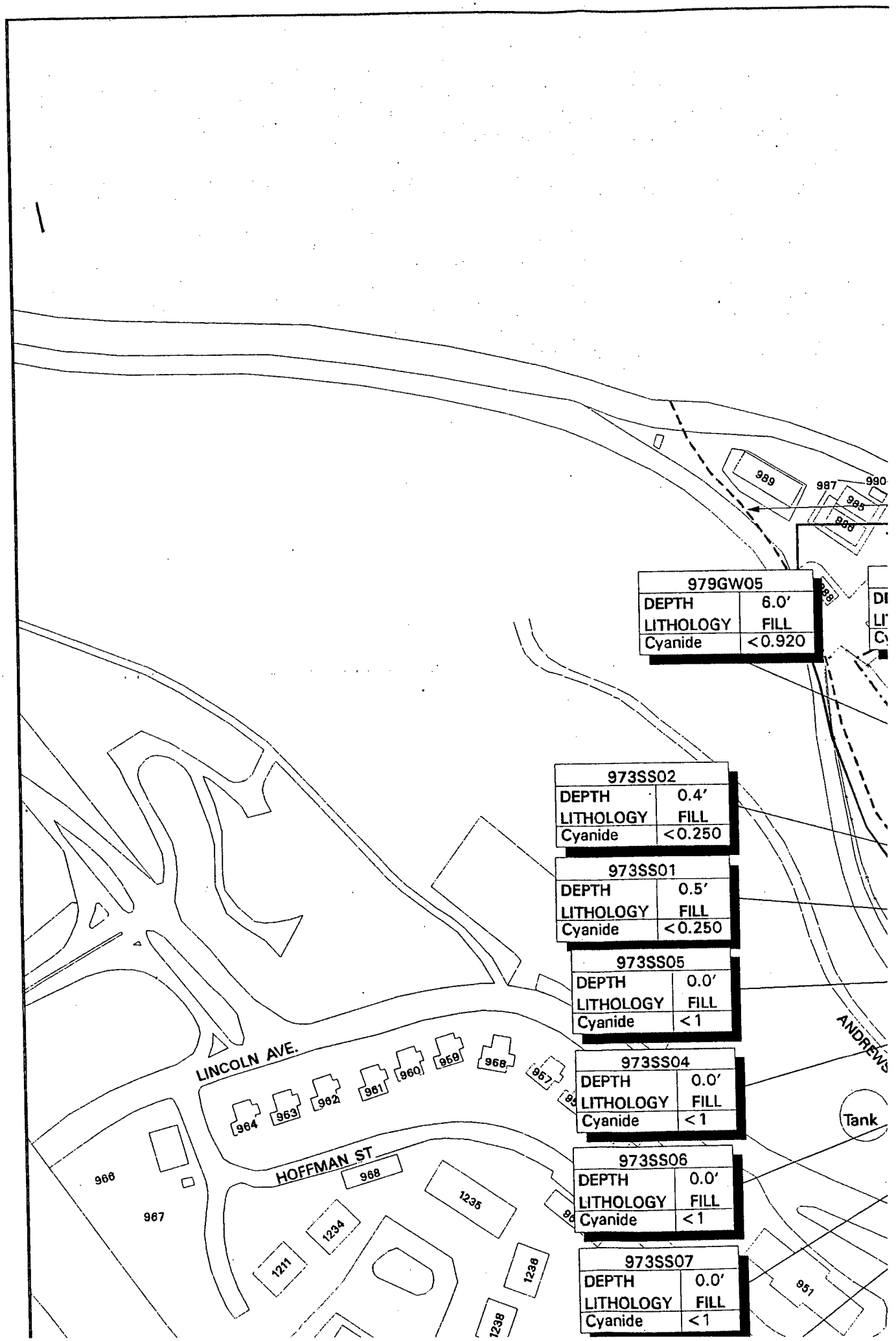


DAMES & MOORE

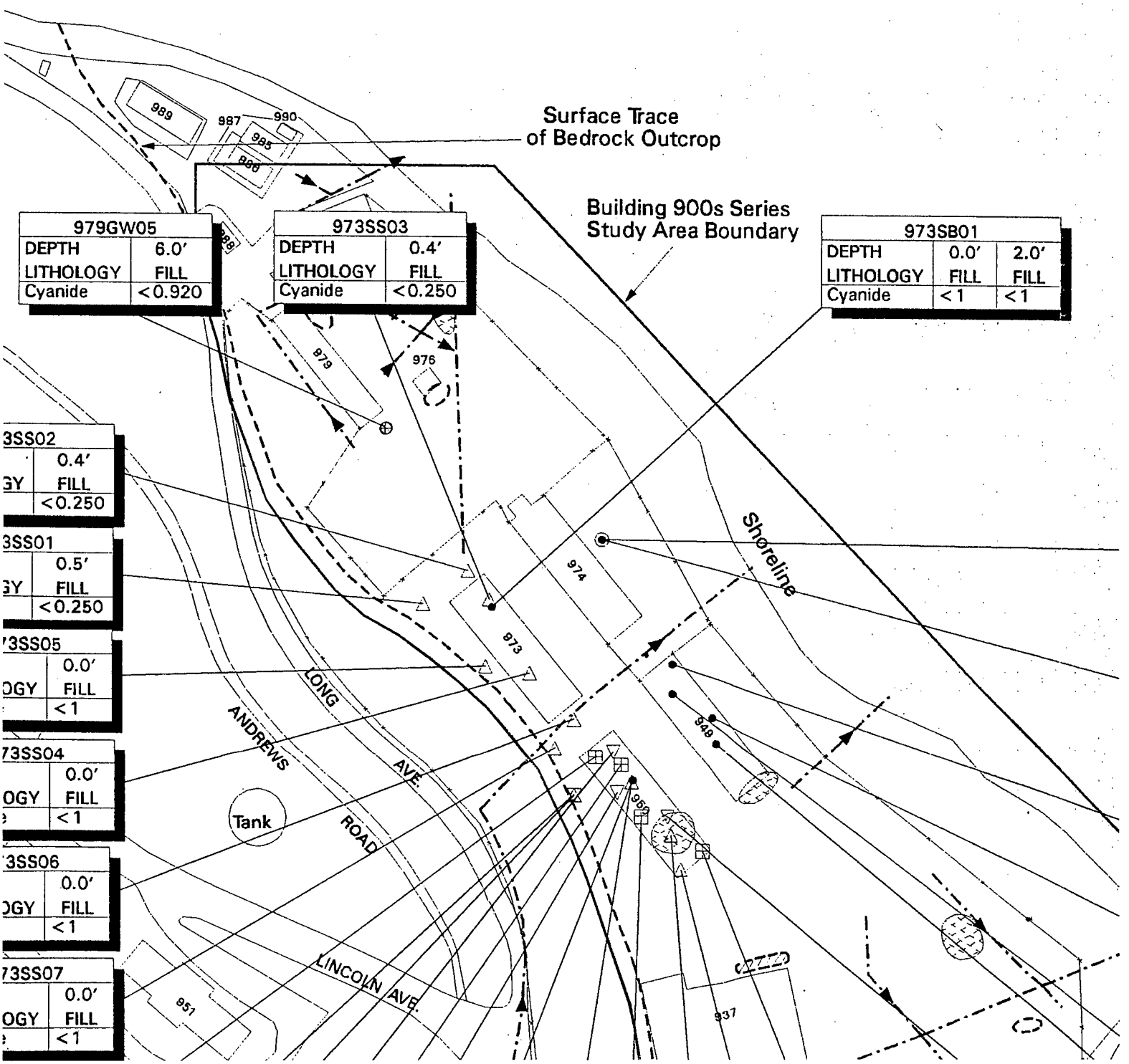
BUILDING 900S SERIES STUDY AREA
STORAGE AREA AND BUILDING 979
CONCENTRATIONS OF CHROMIUM IN SOIL

PSF26261

Date: January 1997 | Figure 6.5-19


979GW05
DEPTH 6.0'
LITHOLOGY FILL
Cyanide <0.920
973SS02
DEPTH 0.4'
LITHOLOGY FILL
Cyanide <0.250
973SS01
DEPTH 0.5'
LITHOLOGY FILL
Cyanide <0.250
973SS05
DEPTH 0.0'
LITHOLOGY FILL
Cyanide <1
973SS04
DEPTH 0.0'
LITHOLOGY FILL
Cyanide <1
973SS06
DEPTH 0.0'
LITHOLOGY FILL
Cyanide <1
973SS07
DEPTH 0.0'
LITHOLOGY FILL
Cyanide <1
LINCOLN AVE.
HOFFMAN ST
ANDREWS
Tank
989
987
990
985
988
998
964
963
962
961
960
959
968
967
966
968
1235
1234
1211
1238
1238
951

2


Surface Trace
of Bedrock Outcrop
Building 900s Series
Study Area Boundary
979GW05
DEPTH 6.0′
LITHOLOGY FILL
Cyanide <0.920
973SS03
DEPTH 0.4′
LITHOLOGY FILL
Cyanide <0.250
973SB01
DEPTH 0.0′ 2.0′
LITHOLOGY FILL FILL
Cyanide <1 <1
3SS02
0.4′
GY FILL
<0.250
3SS01
0.5′
GY FILL
<0.250
'3SS05
0.0′
OGY FILL
<1
73SS04
0.0′
OGY FILL
<1
'3SS06
0.0′
OGY FILL
<1
73SS07
0.0′
OGY FILL
<1
Shoreline
ANDREWS
LONG
AVE.
ROAD
Tank
LINCOLN AVE.
989
987
990
985
988
979
976
974
973
949
950
951
937

3

EXPLANATION

- △ SURFACE SOIL SAMPLE
- ▽ MONTGOMERY WATSON SURFACE SOIL SAMPLE
- • SOIL BORING
- ⊞ MONTGOMERY WATSON SOIL BORING
- ⊙ SHALLOW MONITORING WELL WITH SOIL SAMPLES
- ⊕ DEEP MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STORM DRAIN WITH FLOW DIRECTION
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

San Francisco Bay

979GW07	
DEPTH	6.7′
LITHOLOGY	BE/DU
Cyanide	<0.920

979SB01	
DEPTH	6.7′
LITHOLOGY	BE/DU
Cyanide	<0.920

949SB04			
DEPTH	0.5′	3.0′	5.0′
LITHOLOGY	FILL	BE/DU	BE/DU
Cyanide	<0.829	<0.829	<0.829

949SB02			
DEPTH	0.5′	3.0′	5.0′

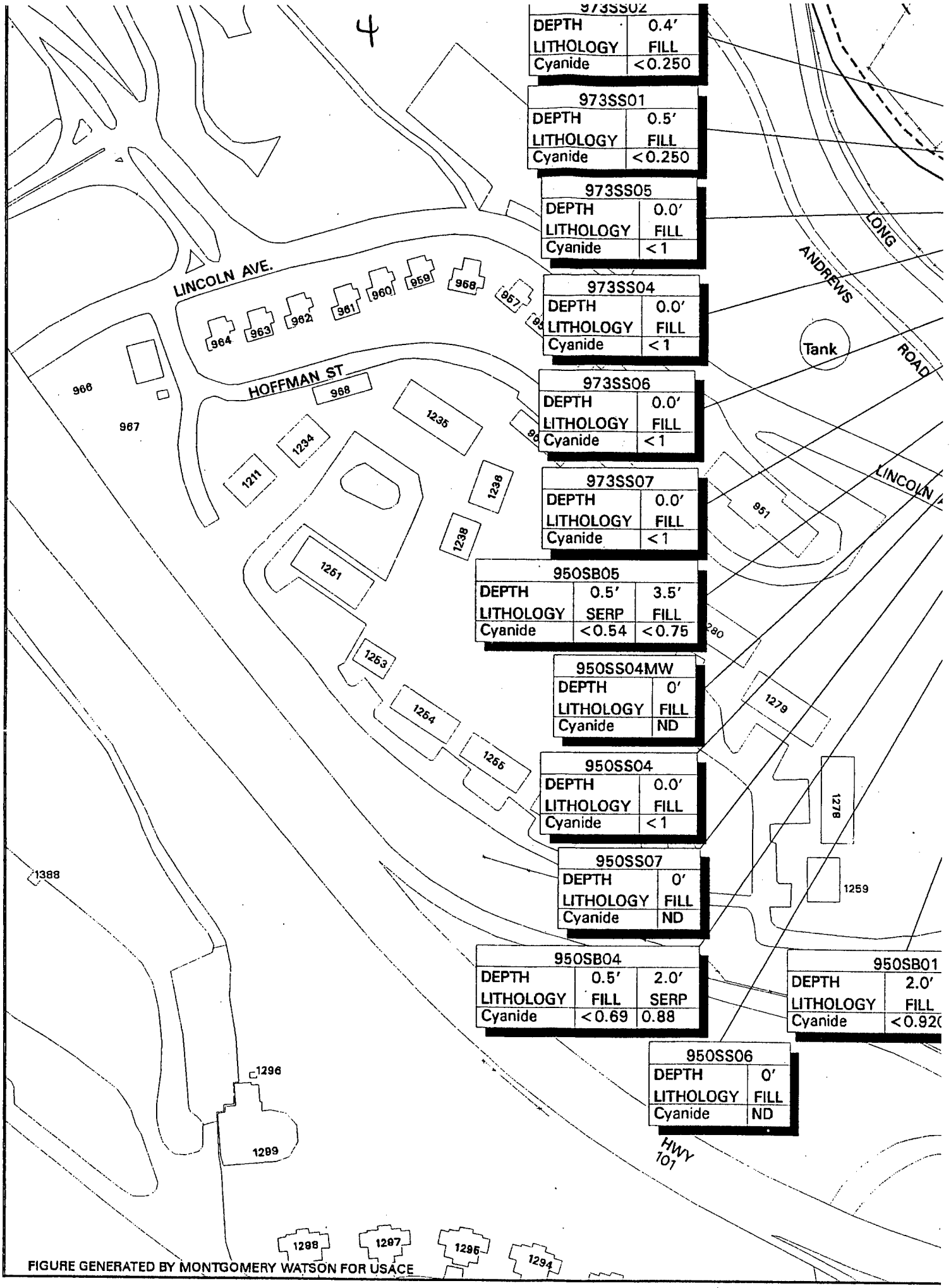
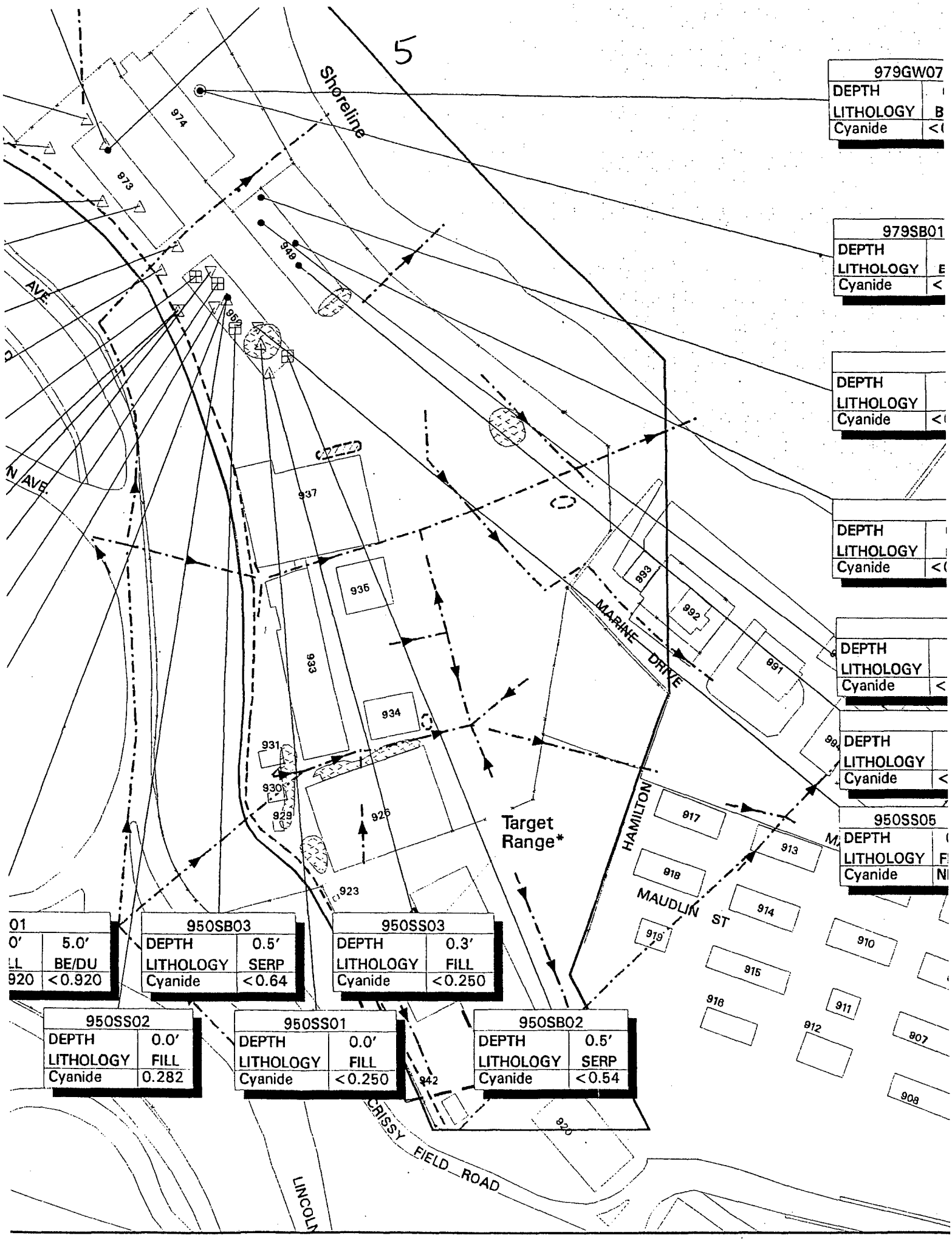
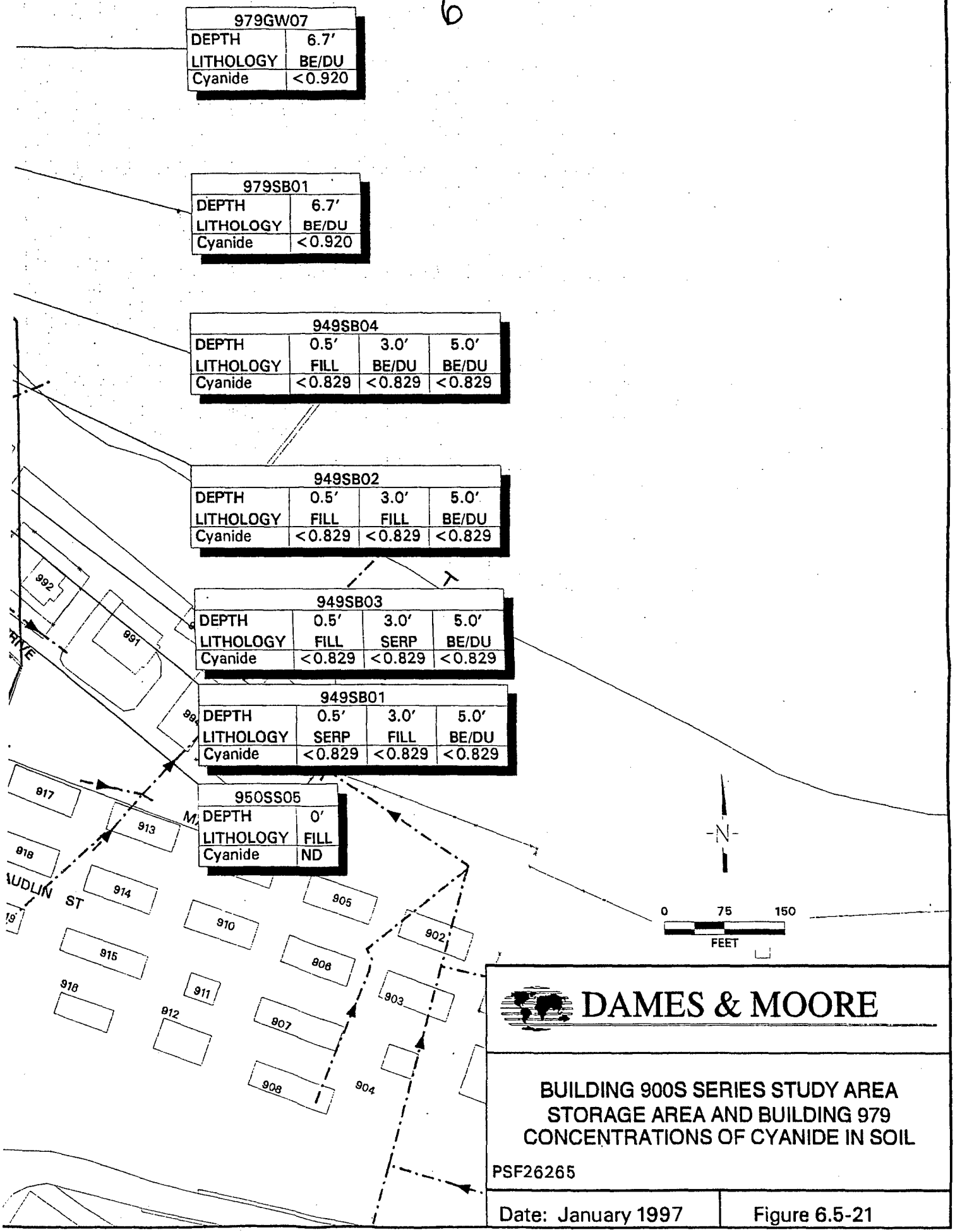


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

26 Dec 96 12:36:22 Thursday, base_11x17_v3.mxd, plotfile base_B949-79_S_10.gpn, PSF


5
Shoreline
979GW07
DEPTH
LITHOLOGY
Cyanide
979SB01
DEPTH
LITHOLOGY
Cyanide
DEPTH
LITHOLOGY
Cyanide
DEPTH
LITHOLOGY
Cyanide
DEPTH
LITHOLOGY
Cyanide
DEPTH
LITHOLOGY
Cyanide
950SS05
DEPTH
LITHOLOGY
Cyanide
01
0'
LL
920
5.0'
BE/DU
<0.920
950SB03
DEPTH
LITHOLOGY
Cyanide
0.5'
SERP
<0.64
950SS03
DEPTH
LITHOLOGY
Cyanide
0.3'
FILL
<0.250
950SS02
DEPTH
LITHOLOGY
Cyanide
0.0'
FILL
0.282
950SS01
DEPTH
LITHOLOGY
Cyanide
0.0'
FILL
<0.250
950SB02
DEPTH
LITHOLOGY
Cyanide
0.5'
SERP
<0.54
Target Range*
MARINE DRIVE
HAMILTON
MAUDLIN ST
CRISSY FIELD ROAD
AVE.
N AVE.
973
974
949
968
937
936
933
934
931
930
929
926
923
942
993
992
991
917
913
918
914
919
910
915
916
911
912
907
909
920

6

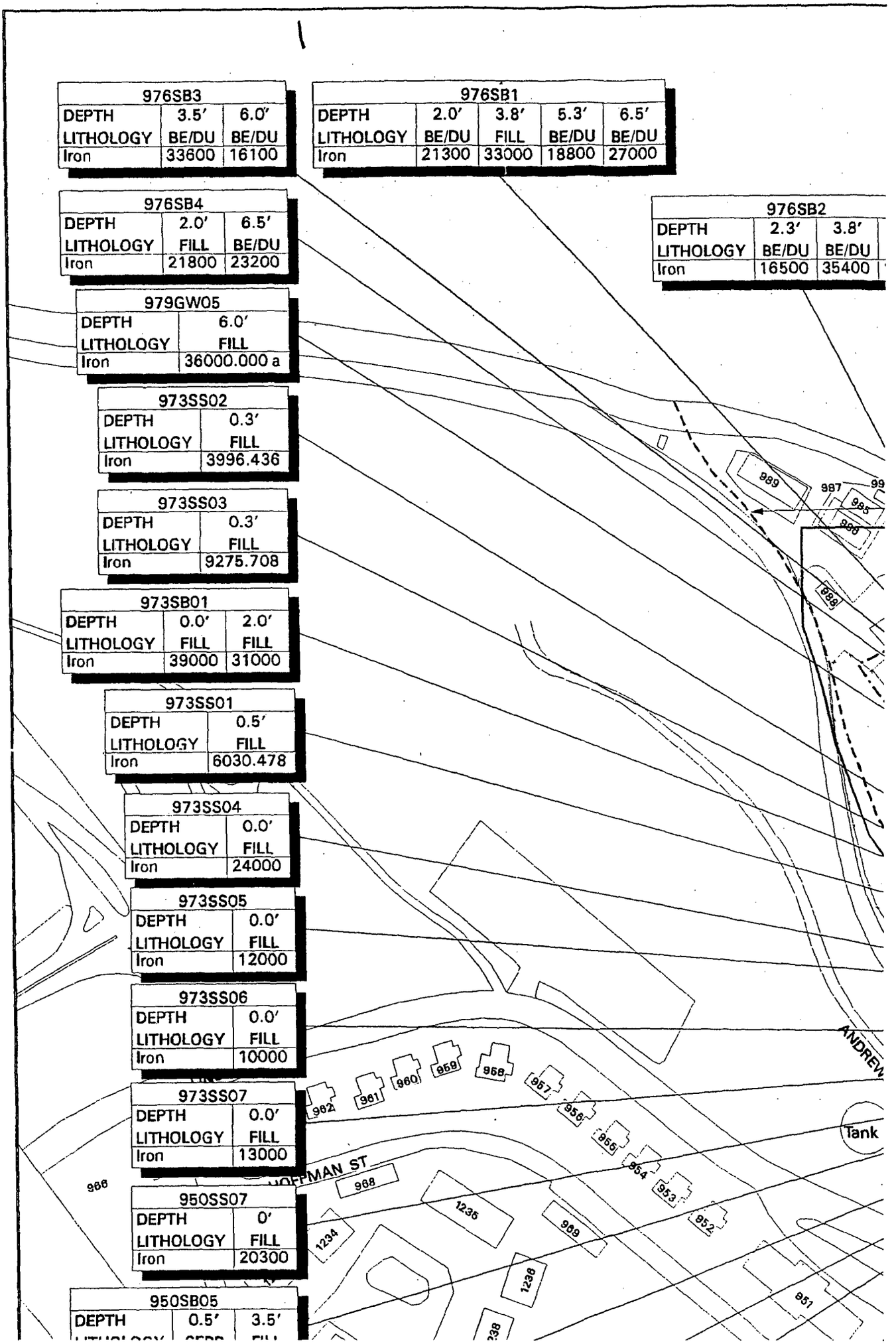


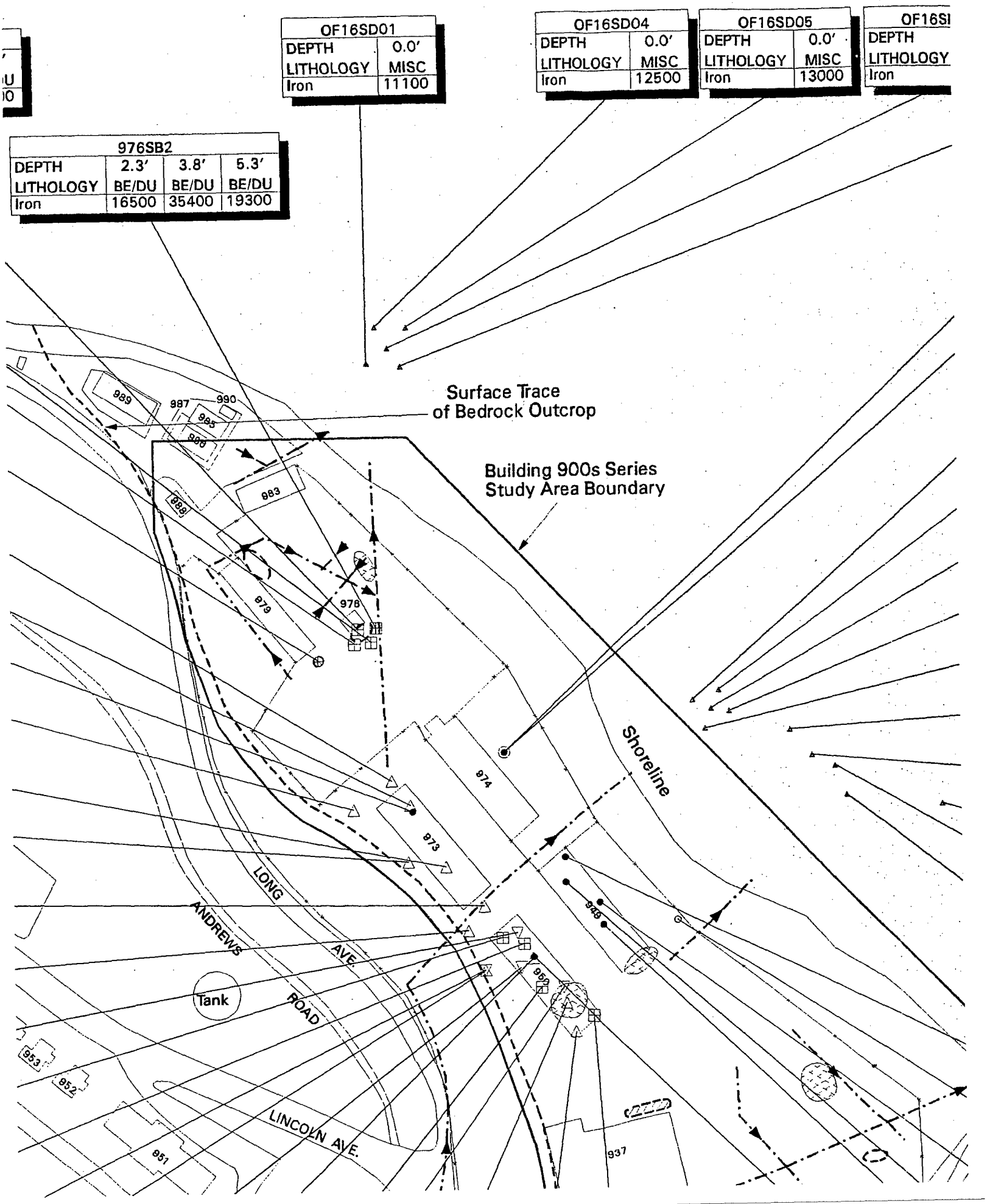
DAMES & MOORE

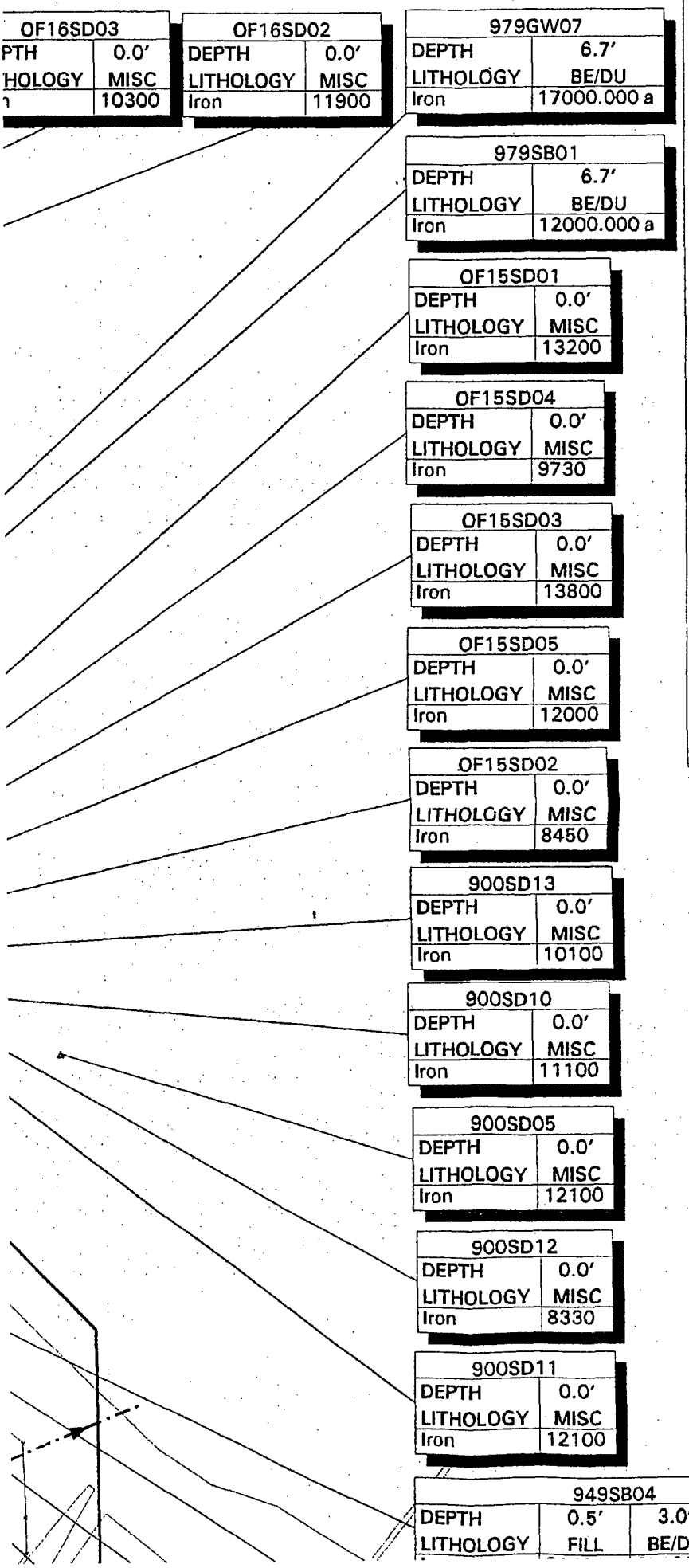
BUILDING 900S SERIES STUDY AREA
STORAGE AREA AND BUILDING 979
CONCENTRATIONS OF CYANIDE IN SOIL

PSF26265

Date: January 1997 | Figure 6.5-21


976SB3
DEPTH 3.5′ 6.0′
LITHOLOGY BE/DU BE/DU
Iron 33600 16100
976SB1
DEPTH 2.0′ 3.8′ 5.3′ 6.5′
LITHOLOGY BE/DU FILL BE/DU BE/DU
Iron 21300 33000 18800 27000
976SB4
DEPTH 2.0′ 6.5′
LITHOLOGY FILL BE/DU
Iron 21800 23200
976SB2
DEPTH 2.3′ 3.8′
LITHOLOGY BE/DU BE/DU
Iron 16500 35400
979GW05
DEPTH 6.0′
LITHOLOGY FILL
Iron 36000.000 a
973SS02
DEPTH 0.3′
LITHOLOGY FILL
Iron 3996.436
973SS03
DEPTH 0.3′
LITHOLOGY FILL
Iron 9275.708
973SB01
DEPTH 0.0′ 2.0′
LITHOLOGY FILL FILL
Iron 39000 31000
973SS01
DEPTH 0.5′
LITHOLOGY FILL
Iron 6030.478
973SS04
DEPTH 0.0′
LITHOLOGY FILL
Iron 24000
973SS05
DEPTH 0.0′
LITHOLOGY FILL
Iron 12000
973SS06
DEPTH 0.0′
LITHOLOGY FILL
Iron 10000
973SS07
DEPTH 0.0′
LITHOLOGY FILL
Iron 13000
950SS07
DEPTH 0′
LITHOLOGY FILL
Iron 20300
950SB05
DEPTH 0.5′ 3.5′
989
987
985
986
988
962
961
960
959
958
957
956
955
954
953
952
951
1235
1234
1238
969
966
Tank


OF16SD01
DEPTH 0.0′
LITHOLOGY MISC
Iron 11100
OF16SD04
DEPTH 0.0′
LITHOLOGY MISC
Iron 12500
OF16SD05
DEPTH 0.0′
LITHOLOGY MISC
Iron 13000
OF16SI
DEPTH
LITHOLOGY
Iron
976SB2
DEPTH 2.3′ 3.8′ 5.3′
LITHOLOGY BE/DU BE/DU BE/DU
Iron 16500 35400 19300
Surface Trace of Bedrock Outcrop
Building 900s Series Study Area Boundary
Shoreline
LONG ANDREWS AVE.
ROAD
Tank
LINCOLN AVE.
989
987
990
985
986
983
988
979
976
974
973
949
952
953
951
937



OF16SD03	
PTH	0.0′
HOLOGY	MISC
ı	10300

OF16SD02	
DEPTH	0.0′
LITHOLOGY	MISC
Iron	11900

979GW07	
DEPTH	6.7′
LITHOLOGY	BE/DU
Iron	17000.000 a

979SB01	
DEPTH	6.7′
LITHOLOGY	BE/DU
Iron	12000.000 a

OF15SD01	
DEPTH	0.0′
LITHOLOGY	MISC
Iron	13200

OF15SD04	
DEPTH	0.0′
LITHOLOGY	MISC
Iron	9730

OF15SD03	
DEPTH	0.0′
LITHOLOGY	MISC
Iron	13800

OF15SD05	
DEPTH	0.0′
LITHOLOGY	MISC
Iron	12000

OF15SD02	
DEPTH	0.0′
LITHOLOGY	MISC
Iron	8450

900SD13	
DEPTH	0.0′
LITHOLOGY	MISC
Iron	10100

900SD10	
DEPTH	0.0′
LITHOLOGY	MISC
Iron	11100

900SD05	
DEPTH	0.0′
LITHOLOGY	MISC
Iron	12100

900SD12	
DEPTH	0.0′
LITHOLOGY	MISC
Iron	8330

900SD11	
DEPTH	0.0′
LITHOLOGY	MISC
Iron	12100

949SB04			
DEPTH	0.5′	3.0′	5.0′
LITHOLOGY	FILL	BE/DU	BE/DU

EXPLANATION

- ESAP SEDIMENT SAMPLE
- SURFACE SOIL SAMPLE
- MONTGOMERY WATSON SURFACE SOIL SAMPLE
- SOIL BORING
- MONTGOMERY WATSON SOIL BORING
- SHALLOW MONITORING WELL WITH SOIL SAMPLES
- DEEP MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STORM DRAIN WITH FLOW DIRECTION
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

San Francisco Bay

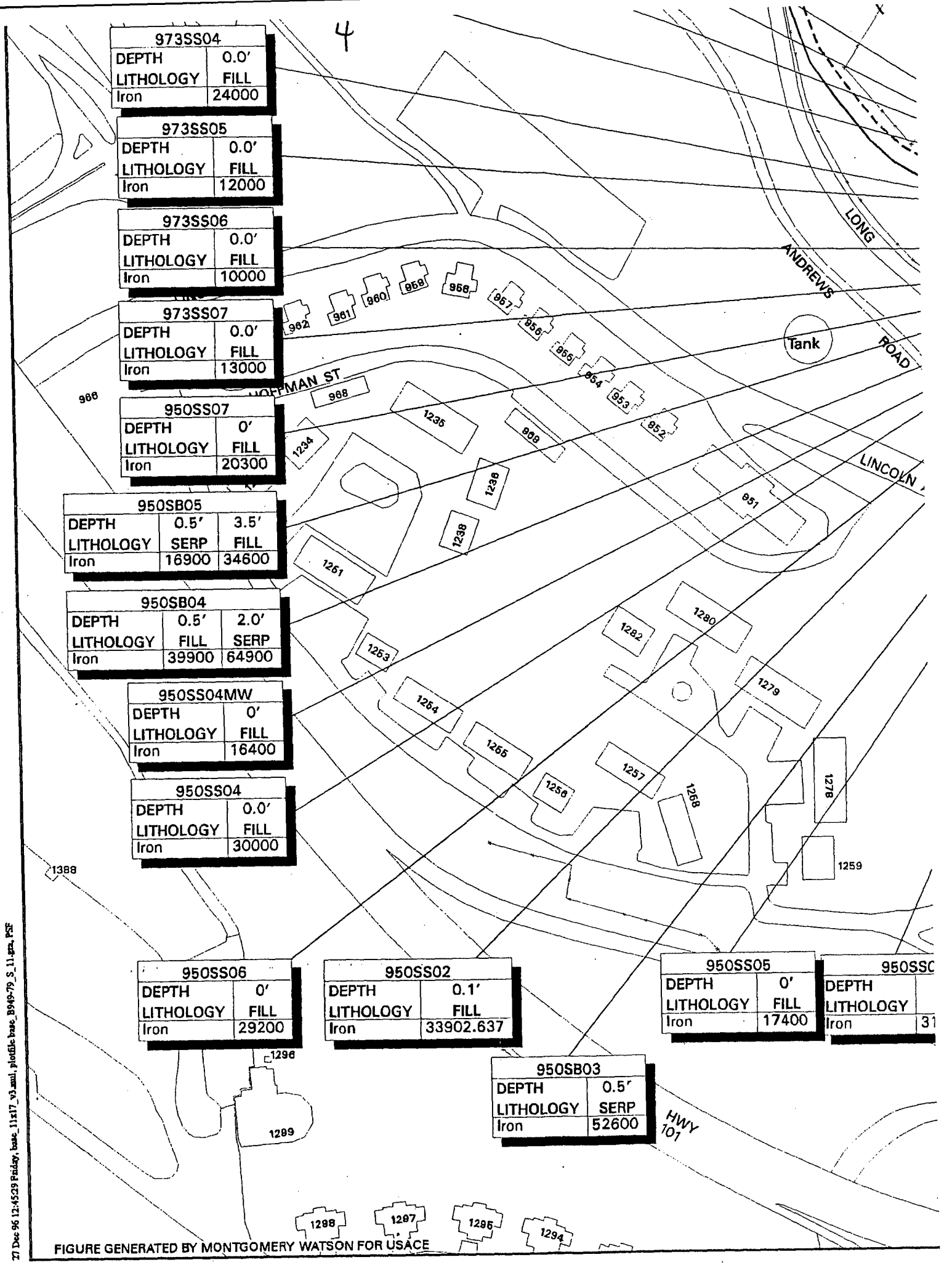
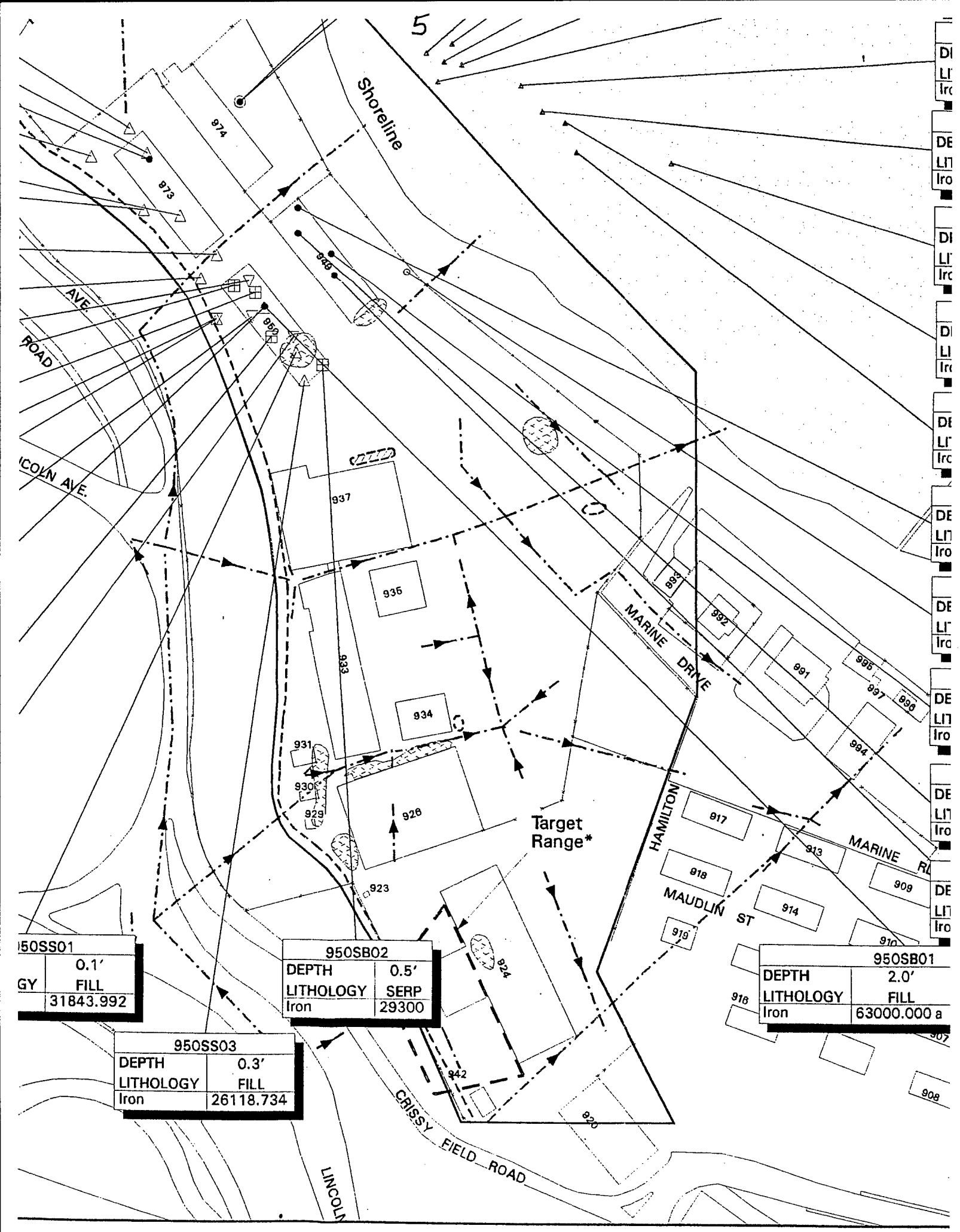
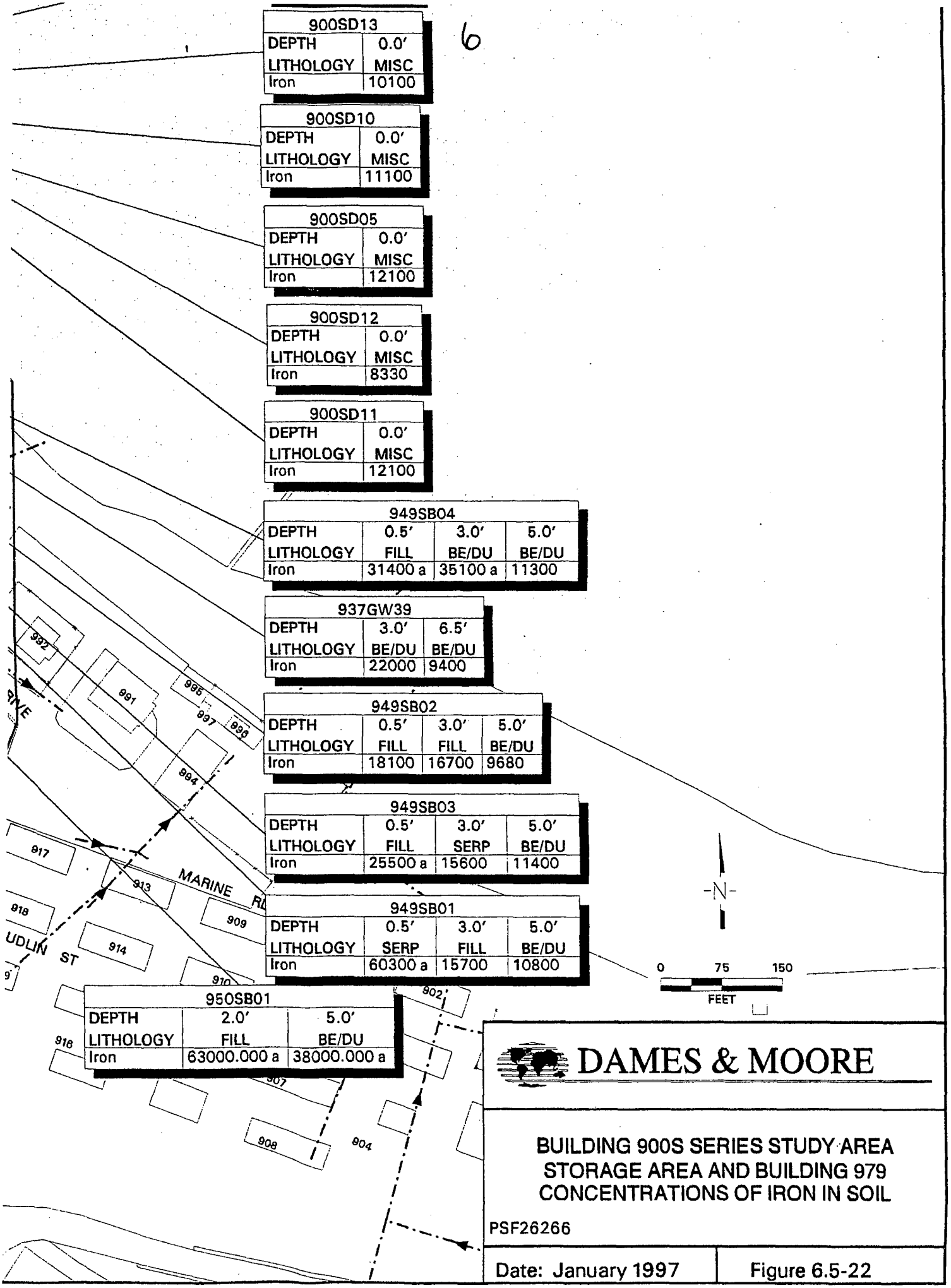


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

27 Dec 96 12:45:29 Friday, base_11x17_v3.mxd, plotfile base_B949-79_S_11.prn, PSF


5
Shoreline
974
973
949
AVE.
ROAD
958
937
935
933
934
931
930
929
926
923
924
942
920
Target Range*
MARINE DRIVE
993
992
991
995
997
998
994
HAMILTON
917
913
MARINE RD
909
918
MAUDLIN ST
914
919
910
916
908
907
CRISSY FIELD ROAD
LINCOLN
950SS01
0.1′
FILL
31843.992
950SB02
DEPTH 0.5′
LITHOLOGY SERP
Iron 29300
950SS03
DEPTH 0.3′
LITHOLOGY FILL
Iron 26118.734
950SB01
DEPTH 2.0′
LITHOLOGY FILL
Iron 63000.000 a



6

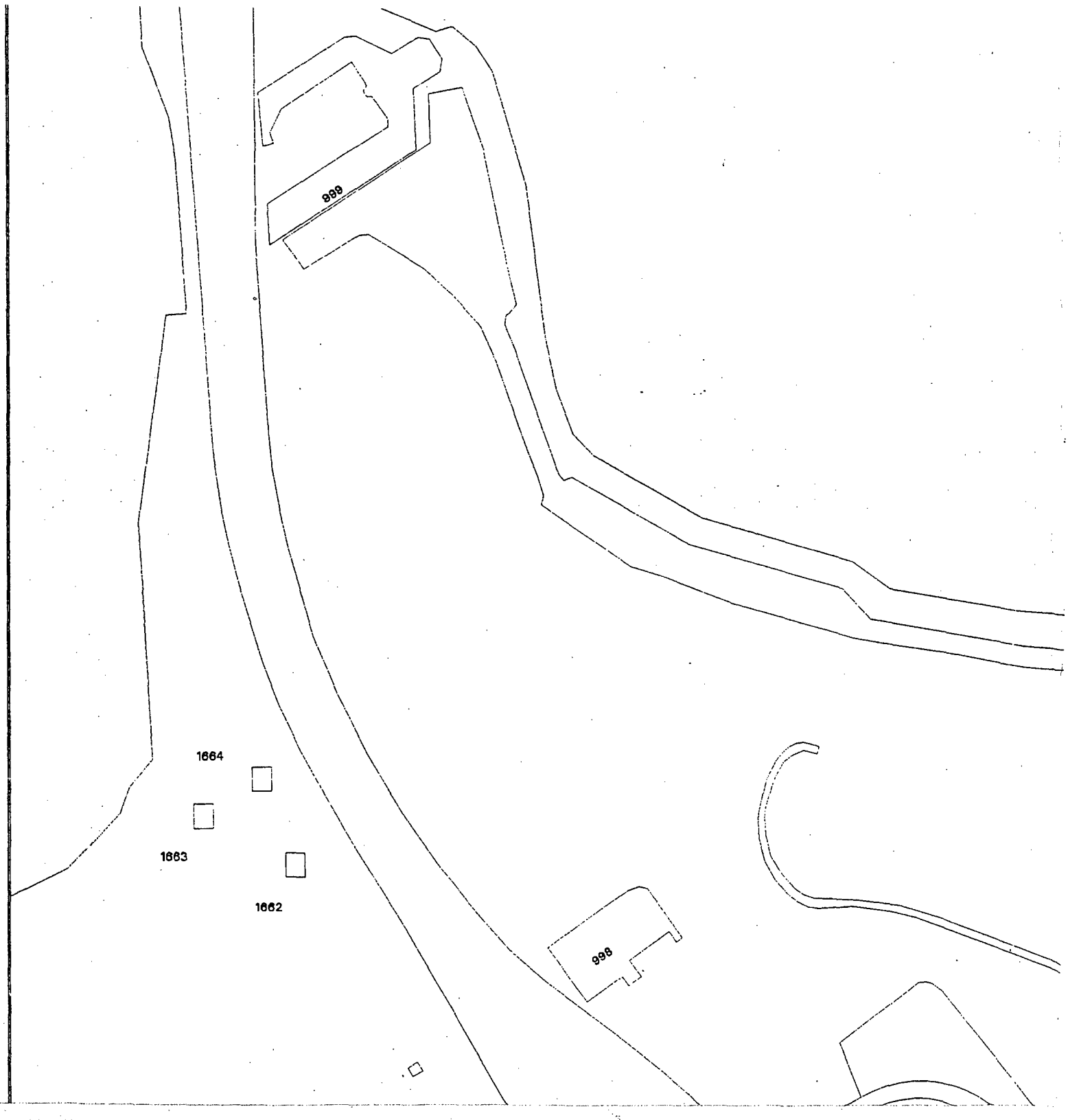
DAMES & MOORE

BUILDING 900S SERIES STUDY AREA
STORAGE AREA AND BUILDING 979
CONCENTRATIONS OF IRON IN SOIL

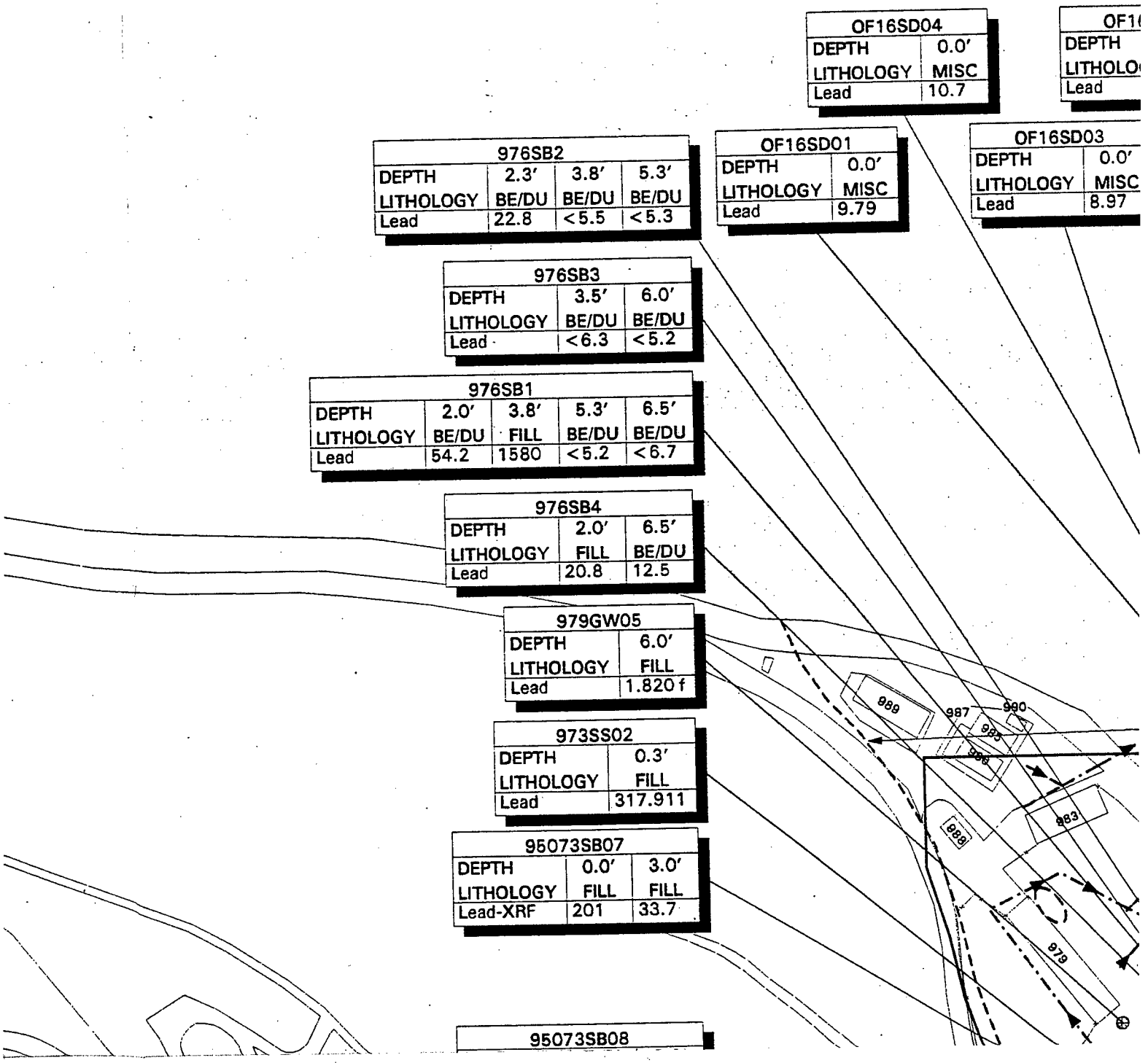
PSF26266

Date: January 1997

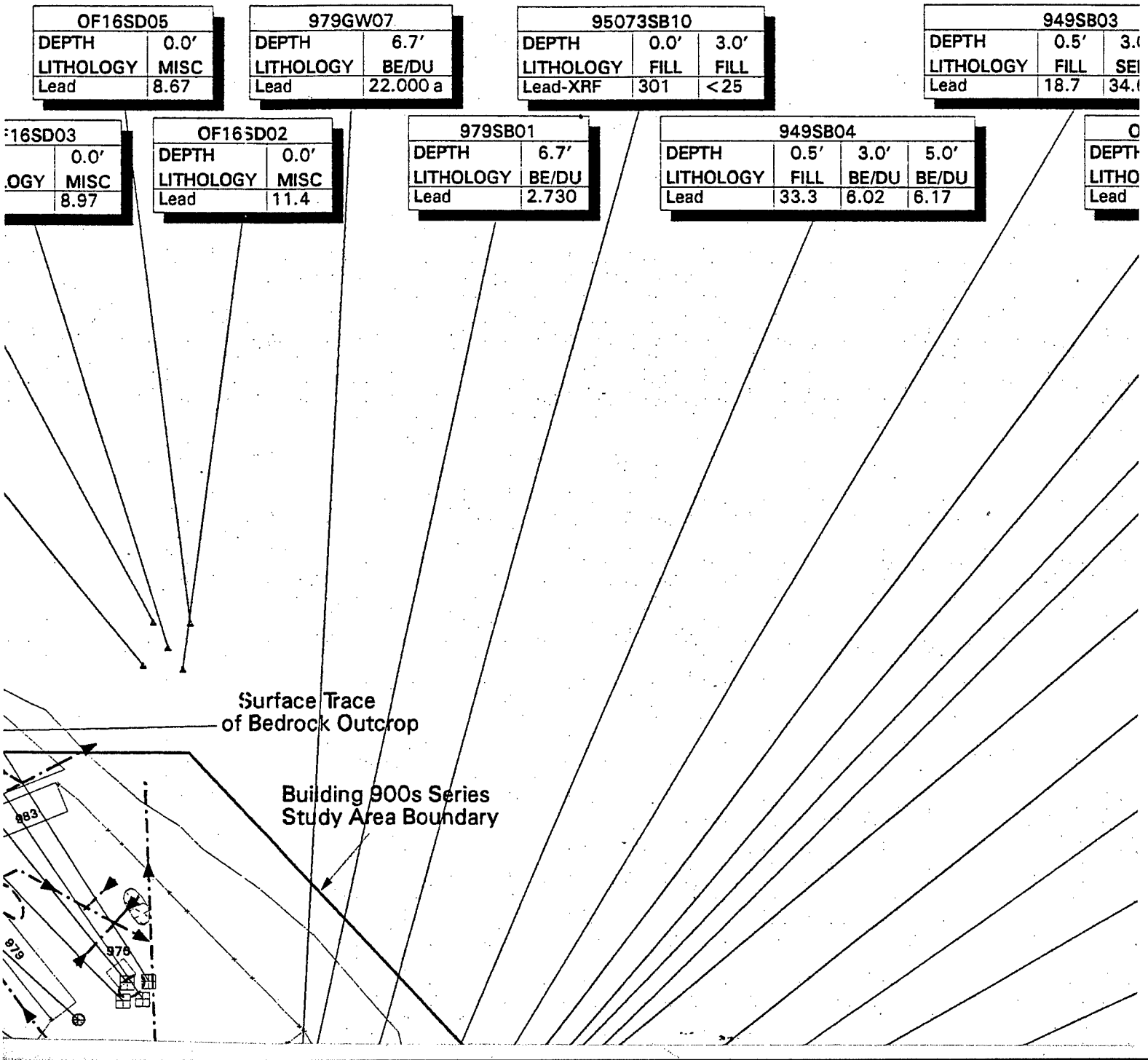
Figure 6.5-22


999
1664
1663
1662
998

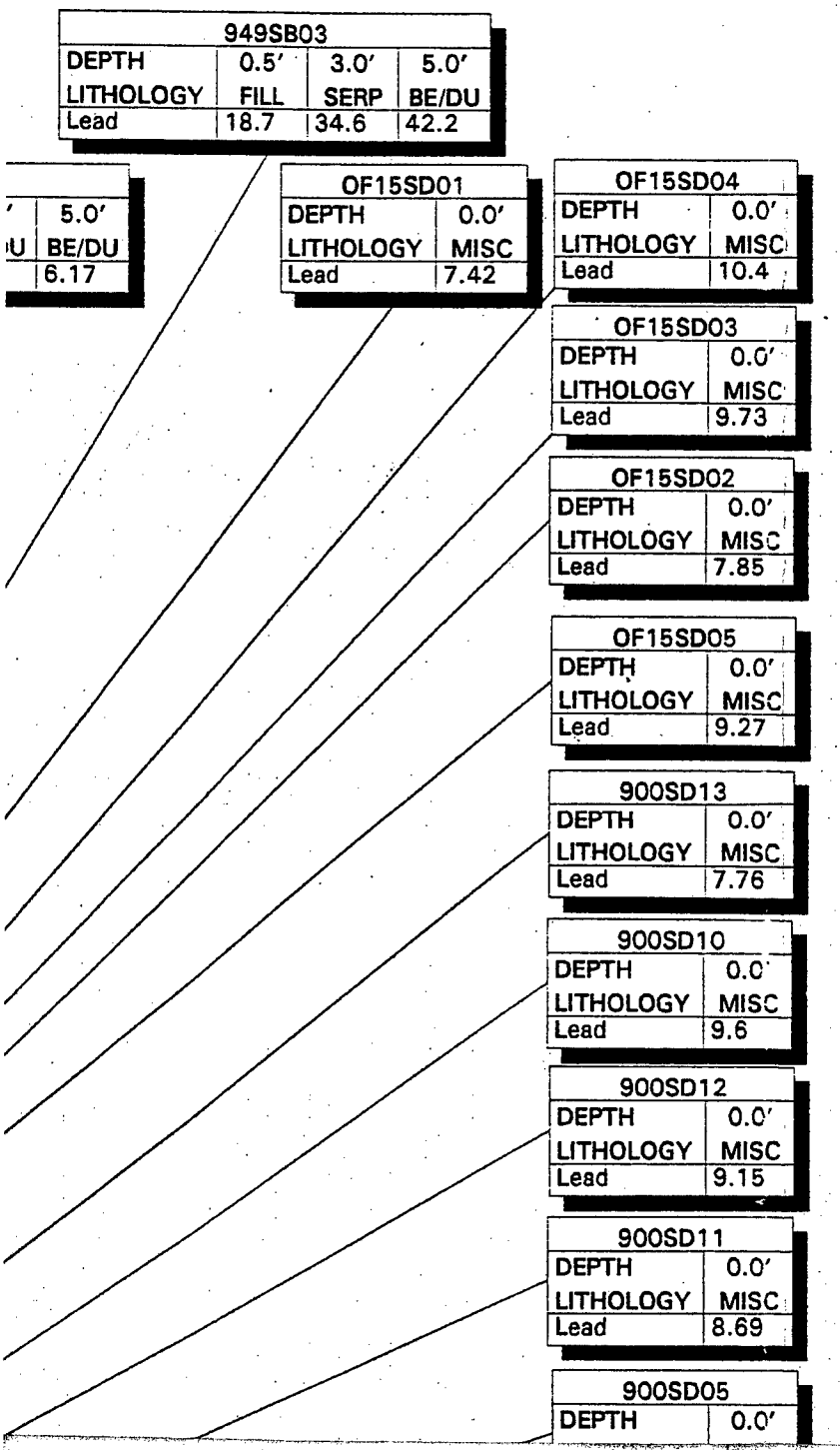
2


OF16SD04
DEPTH 0.0′
LITHOLOGY MISC
Lead 10.7
OF16SD01
DEPTH 0.0′
LITHOLOGY MISC
Lead 9.79
OF16SD03
DEPTH 0.0′
LITHOLOGY MISC
Lead 8.97
976SB2
DEPTH 2.3′ 3.8′ 5.3′
LITHOLOGY BE/DU BE/DU BE/DU
Lead 22.8 <5.5 <5.3
976SB3
DEPTH 3.5′ 6.0′
LITHOLOGY BE/DU BE/DU
Lead <6.3 <5.2
976SB1
DEPTH 2.0′ 3.8′ 5.3′ 6.5′
LITHOLOGY BE/DU FILL BE/DU BE/DU
Lead 54.2 1580 <5.2 <6.7
976SB4
DEPTH 2.0′ 6.5′
LITHOLOGY FILL BE/DU
Lead 20.8 12.5
979GW05
DEPTH 6.0′
LITHOLOGY FILL
Lead 1.820 f
973SS02
DEPTH 0.3′
LITHOLOGY FILL
Lead 317.911
95073SB07
DEPTH 0.0′ 3.0′
LITHOLOGY FILL FILL
Lead-XRF 201 33.7
95073SB08
989
987
990
985
986
983
988
979

3


OF16SD05
DEPTH 0.0′
LITHOLOGY MISC
Lead 8.67
979GW07
DEPTH 6.7′
LITHOLOGY BE/DU
Lead 22.000 a
95073SB10
DEPTH 0.0′ 3.0′
LITHOLOGY FILL FILL
Lead-XRF 301 <25
949SB03
DEPTH 0.5′
LITHOLOGY FILL
Lead 18.7
16SD03
0.0′
OGY MISC
8.97
OF16SD02
DEPTH 0.0′
LITHOLOGY MISC
Lead 11.4
979SB01
DEPTH 6.7′
LITHOLOGY BE/DU
Lead 2.730
949SB04
DEPTH 0.5′ 3.0′ 5.0′
LITHOLOGY FILL BE/DU BE/DU
Lead 33.3 6.02 6.17
Surface Trace
of Bedrock Outcrop
Building 900s Series
Study Area Boundary
983
979
976

4


949SB03
DEPTH 0.5′ 3.0′ 5.0′
LITHOLOGY FILL SERP BE/DU
Lead 18.7 34.6 42.2
5.0′
BE/DU
6.17
OF15SD01
DEPTH 0.0′
LITHOLOGY MISC
Lead 7.42
OF15SD04
DEPTH 0.0′
LITHOLOGY MISC
Lead 10.4
OF15SD03
DEPTH 0.0′
LITHOLOGY MISC
Lead 9.73
OF15SD02
DEPTH 0.0′
LITHOLOGY MISC
Lead 7.85
OF15SD05
DEPTH 0.0′
LITHOLOGY MISC
Lead 9.27
900SD13
DEPTH 0.0′
LITHOLOGY MISC
Lead 7.76
900SD10
DEPTH 0.0′
LITHOLOGY MISC
Lead 9.6
900SD12
DEPTH 0.0′
LITHOLOGY MISC
Lead 9.15
900SD11
DEPTH 0.0′
LITHOLOGY MISC
Lead 8.69
900SD05
DEPTH 0.0′
San Francisco Bay

5

EXPLANATION

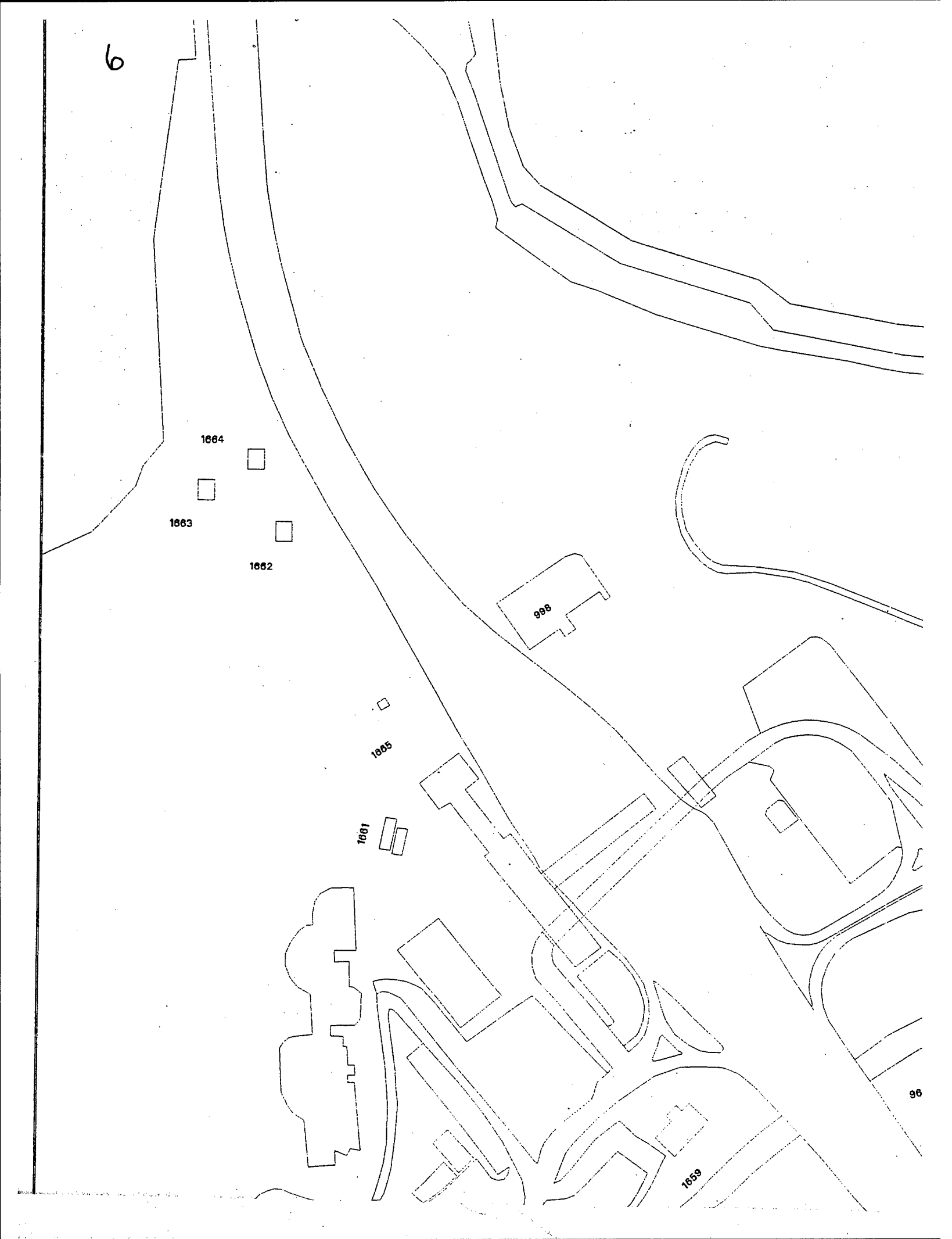
- ESAP SEDIMENT SAMPLE
- SURFACE SOIL SAMPLE
- MONTGOMERY WATSON SURFACE SOIL SAMPLE
- SOIL BORING
- MONTGOMERY WATSON SOIL BORING
- SHALLOW MONITORING WELL WITH SOIL SAMPLES
- DEEP MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STORM DRAIN WITH FLOW DIRECTION
- STAINED AREAS

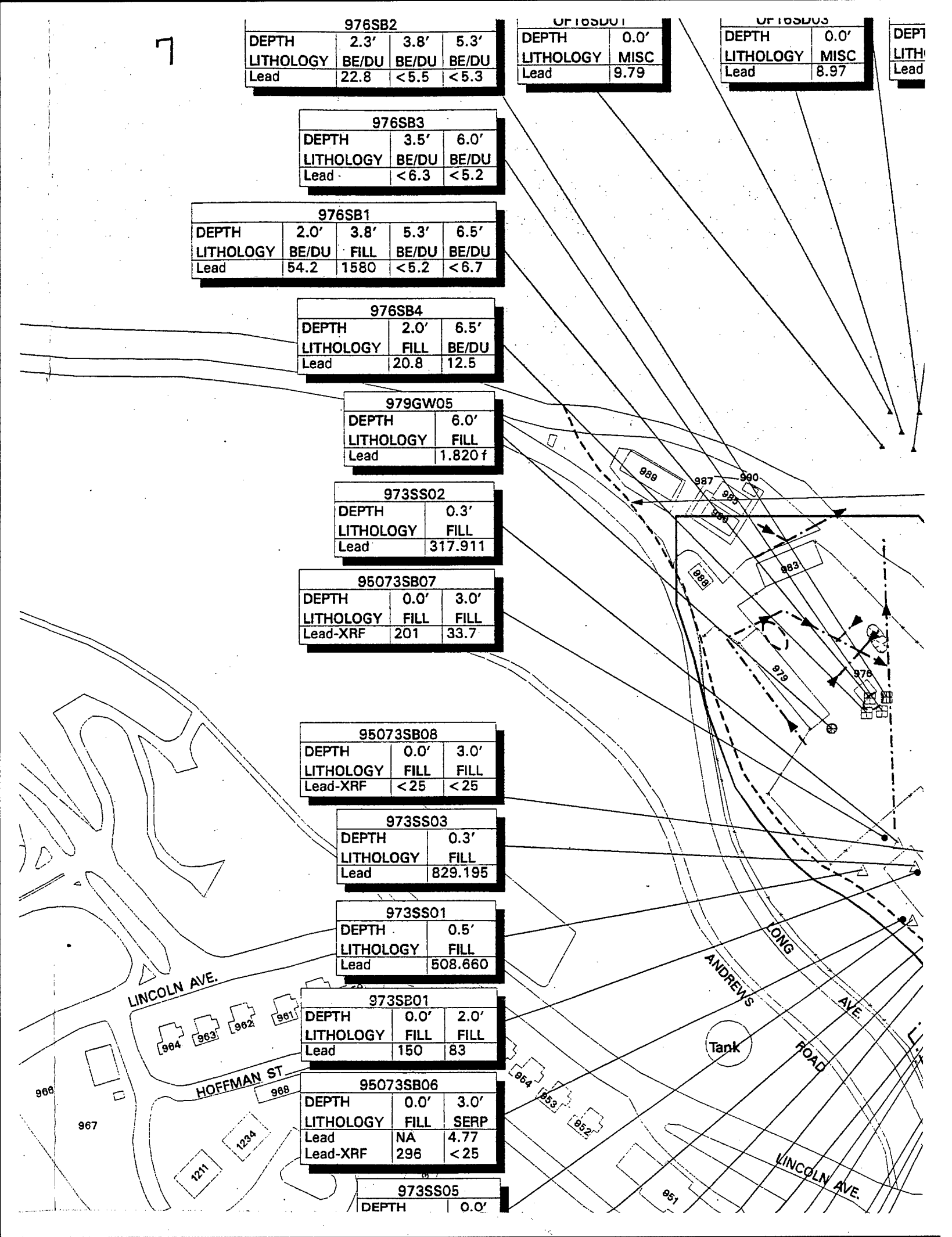
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

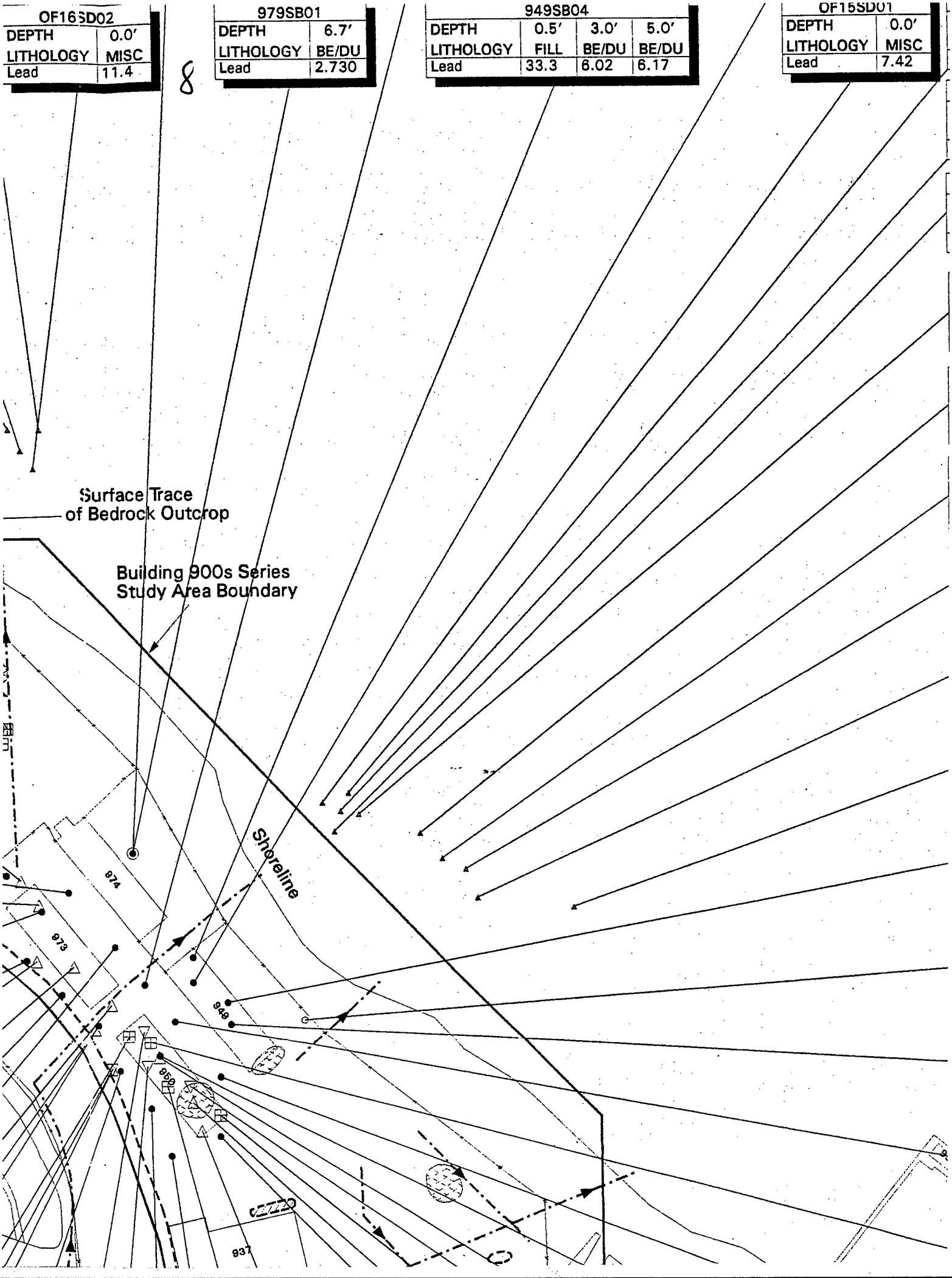
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

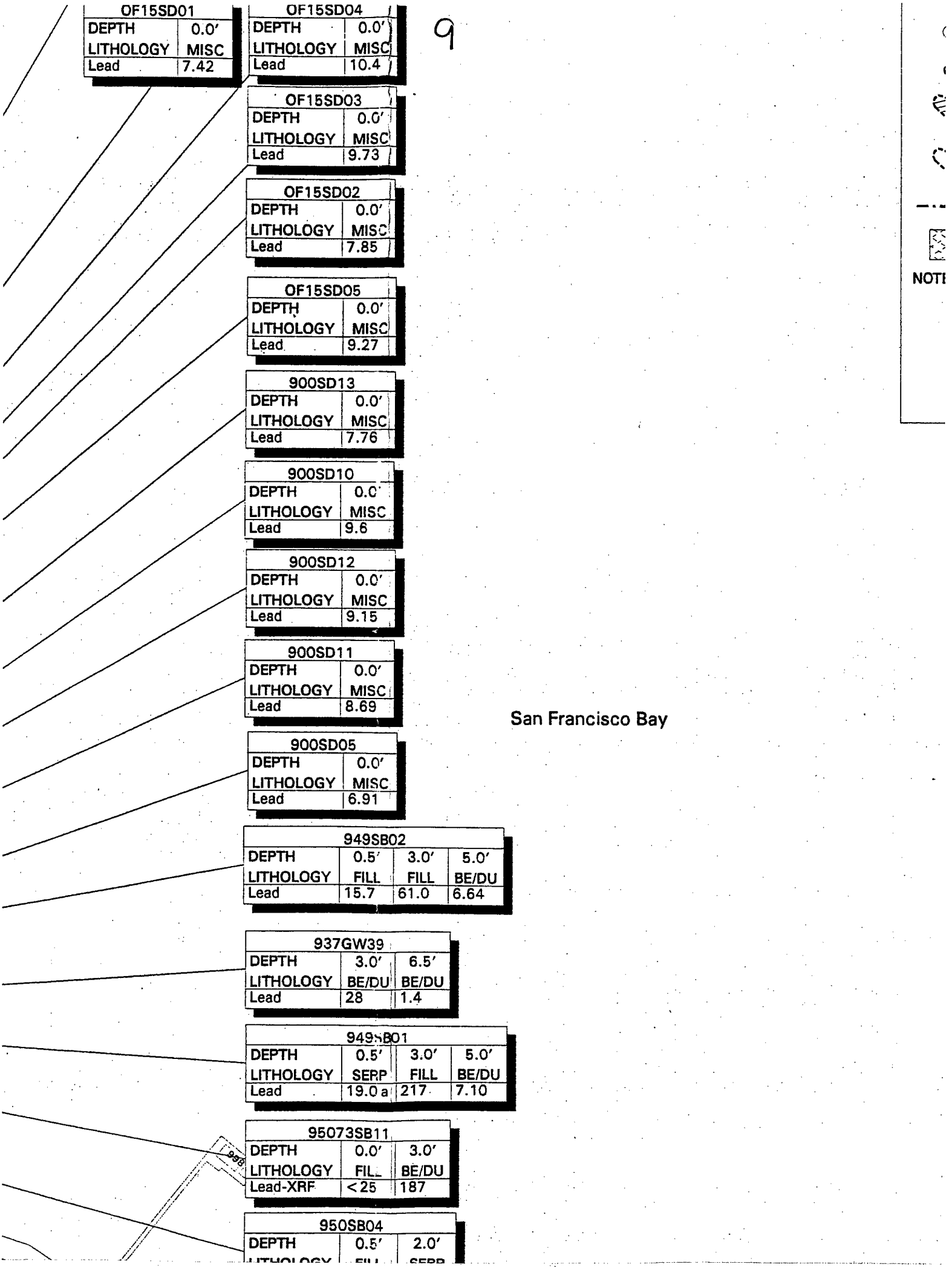
3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

Francisco Bay


6
1664
1663
1662
998
1665
1661
1659
96


976SB2
DEPTH | 2.3' | 3.8' | 5.3'
LITHOLOGY | BE/DU | BE/DU | BE/DU
Lead | 22.8 | <5.5 | <5.3
976SB3
DEPTH | 3.5' | 6.0'
LITHOLOGY | BE/DU | BE/DU
Lead | <6.3 | <5.2
976SB1
DEPTH | 2.0' | 3.8' | 5.3' | 6.5'
LITHOLOGY | BE/DU | FILL | BE/DU | BE/DU
Lead | 54.2 | 1580 | <5.2 | <6.7
976SB4
DEPTH | 2.0' | 6.5'
LITHOLOGY | FILL | BE/DU
Lead | 20.8 | 12.5
979GW05
DEPTH | 6.0'
LITHOLOGY | FILL
Lead | 1.820 f
973SS02
DEPTH | 0.3'
LITHOLOGY | FILL
Lead | 317.911
95073SB07
DEPTH | 0.0' | 3.0'
LITHOLOGY | FILL | FILL
Lead-XRF | 201 | 33.7
95073SB08
DEPTH | 0.0' | 3.0'
LITHOLOGY | FILL | FILL
Lead-XRF | <25 | <25
973SS03
DEPTH | 0.3'
LITHOLOGY | FILL
Lead | 829.195
973SS01
DEPTH | 0.5'
LITHOLOGY | FILL
Lead | 508.660
973SB01
DEPTH | 0.0' | 2.0'
LITHOLOGY | FILL | FILL
Lead | 150 | 83
95073SB06
DEPTH | 0.0' | 3.0'
LITHOLOGY | FILL | SERP
Lead | NA | 4.77
Lead-XRF | 296 | <25
973SS05
DEPTH | 0.0'
LINCOLN AVE.
HOFFMAN ST
LONG ANDREWS ROAD
Tank
988
987
990
985
986
983
978
979
976
964
963
962
961
968
967
1234
1211
954
953
952
951


OF16SD02
DEPTH 0.0′
LITHOLOGY MISC
Lead 11.4
979SB01
DEPTH 6.7′
LITHOLOGY BE/DU
Lead 2.730
949SB04
DEPTH 0.5′ 3.0′ 5.0′
LITHOLOGY FILL BE/DU BE/DU
Lead 33.3 6.02 6.17
OF15SD01
DEPTH 0.0′
LITHOLOGY MISC
Lead 7.42
Surface Trace of Bedrock Outcrop
Building 900s Series Study Area Boundary
Shoreline
974
973
949
968
937


OF15SD01
DEPTH 0.0′
LITHOLOGY MISC
Lead 7.42
OF15SD04
DEPTH 0.0′
LITHOLOGY MISC
Lead 10.4
9
OF15SD03
DEPTH 0.0′
LITHOLOGY MISC
Lead 9.73
OF15SD02
DEPTH 0.0′
LITHOLOGY MISC
Lead 7.85
OF15SD05
DEPTH 0.0′
LITHOLOGY MISC
Lead 9.27
900SD13
DEPTH 0.0′
LITHOLOGY MISC
Lead 7.76
900SD10
DEPTH 0.0′
LITHOLOGY MISC
Lead 9.6
900SD12
DEPTH 0.0′
LITHOLOGY MISC
Lead 9.15
900SD11
DEPTH 0.0′
LITHOLOGY MISC
Lead 8.69
900SD05
DEPTH 0.0′
LITHOLOGY MISC
Lead 6.91
949SB02
DEPTH 0.5′ 3.0′ 5.0′
LITHOLOGY FILL FILL BE/DU
Lead 15.7 61.0 6.64
937GW39
DEPTH 3.0′ 6.5′
LITHOLOGY BE/DU BE/DU
Lead 28 1.4
949SB01
DEPTH 0.5′ 3.0′ 5.0′
LITHOLOGY SERP FILL BE/DU
Lead 19.0 a 217 7.10
95073SB11
DEPTH 0.0′ 3.0′
LITHOLOGY FILL BE/DU
Lead-XRF <25 187
950SB04
DEPTH 0.5′ 2.0′
San Francisco Bay
NOTE

10

SHALLOW MONITORING WELL WITH SOIL SAMPLES

DEEP MONITORING WELL WITH SOIL SAMPLES

APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA

APPROXIMATE LOCATIONS OF FORMER USTs

STORM DRAIN WITH FLOW DIRECTION

STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

San Francisco Bay

0'
DU
4

.0'
/DU
0

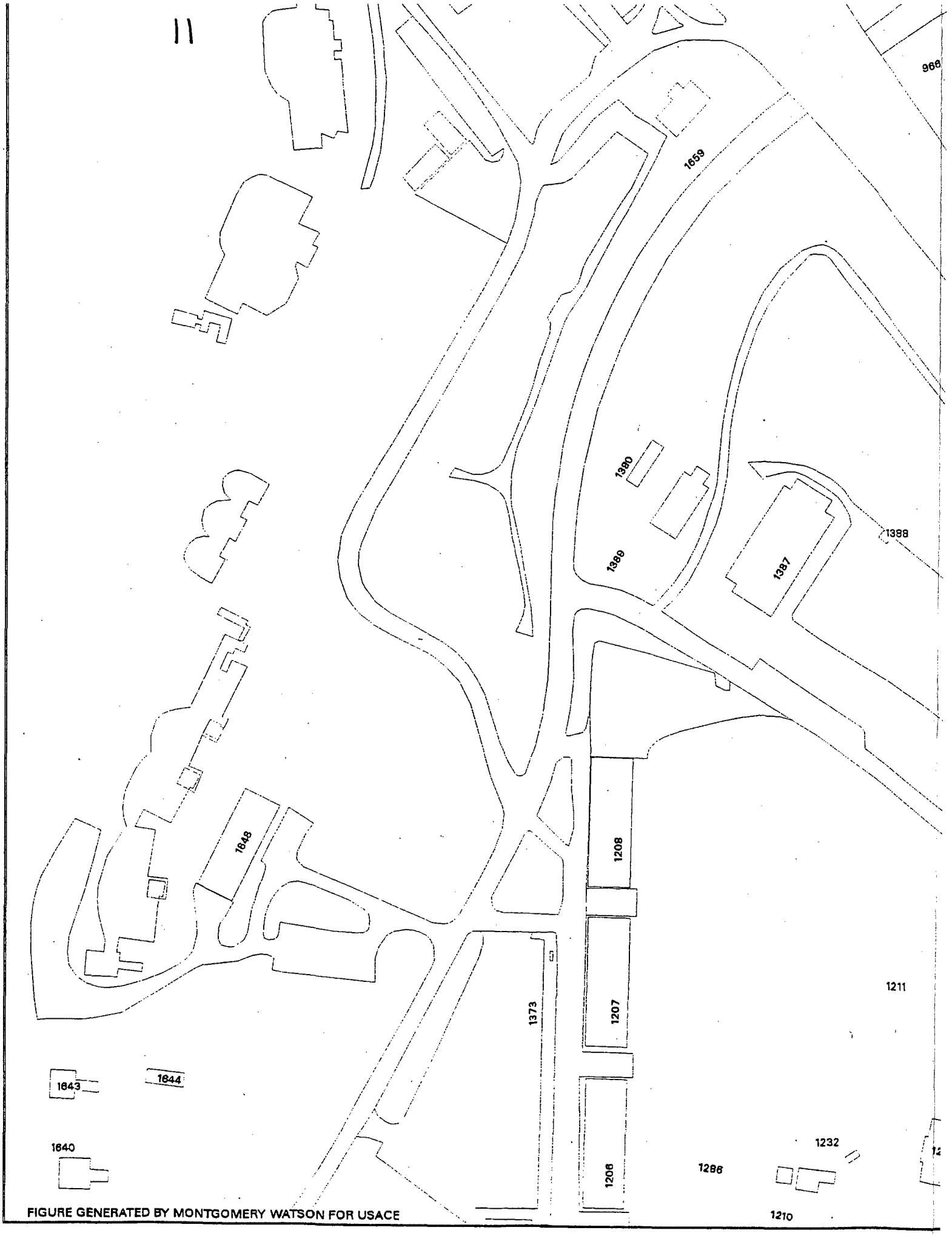
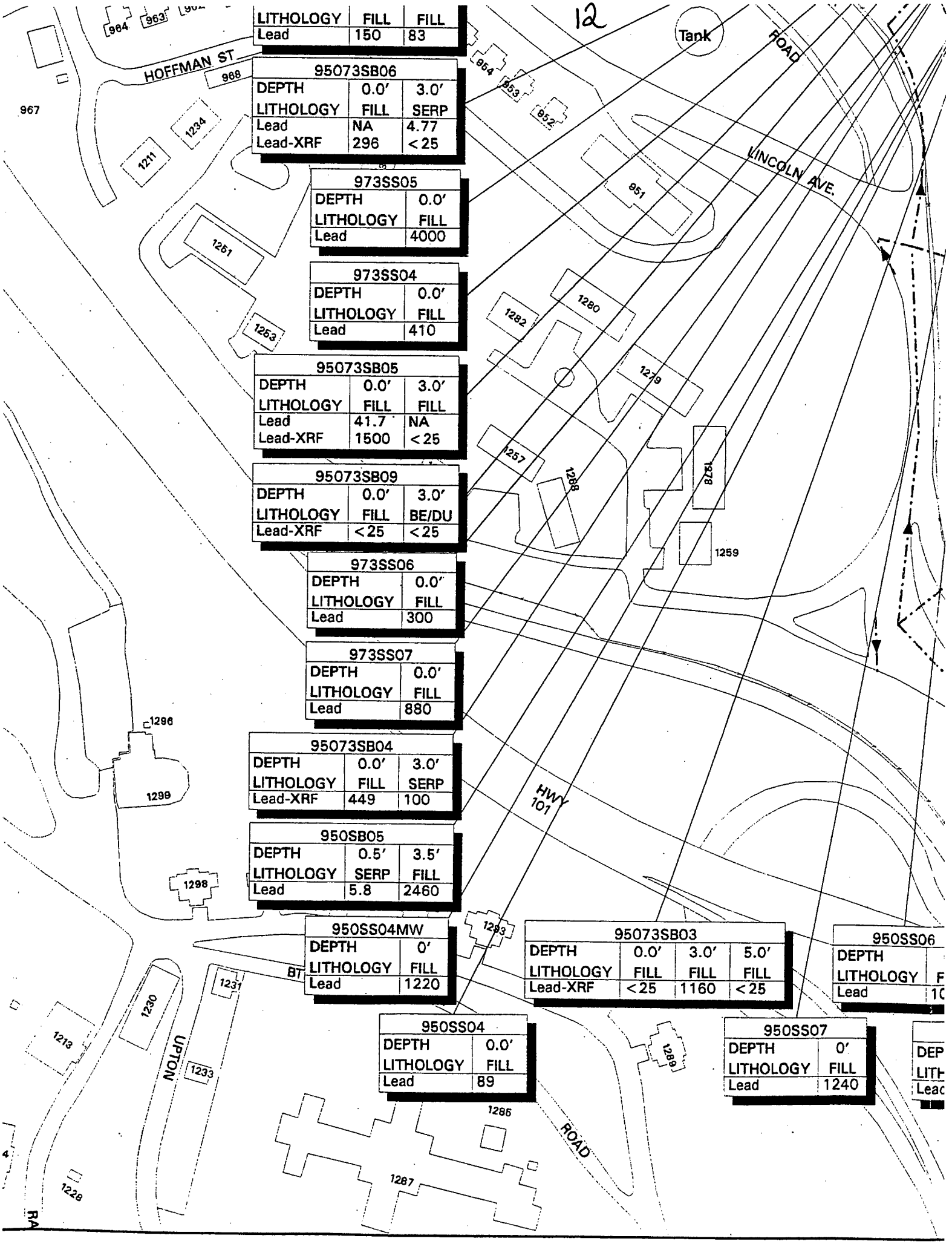
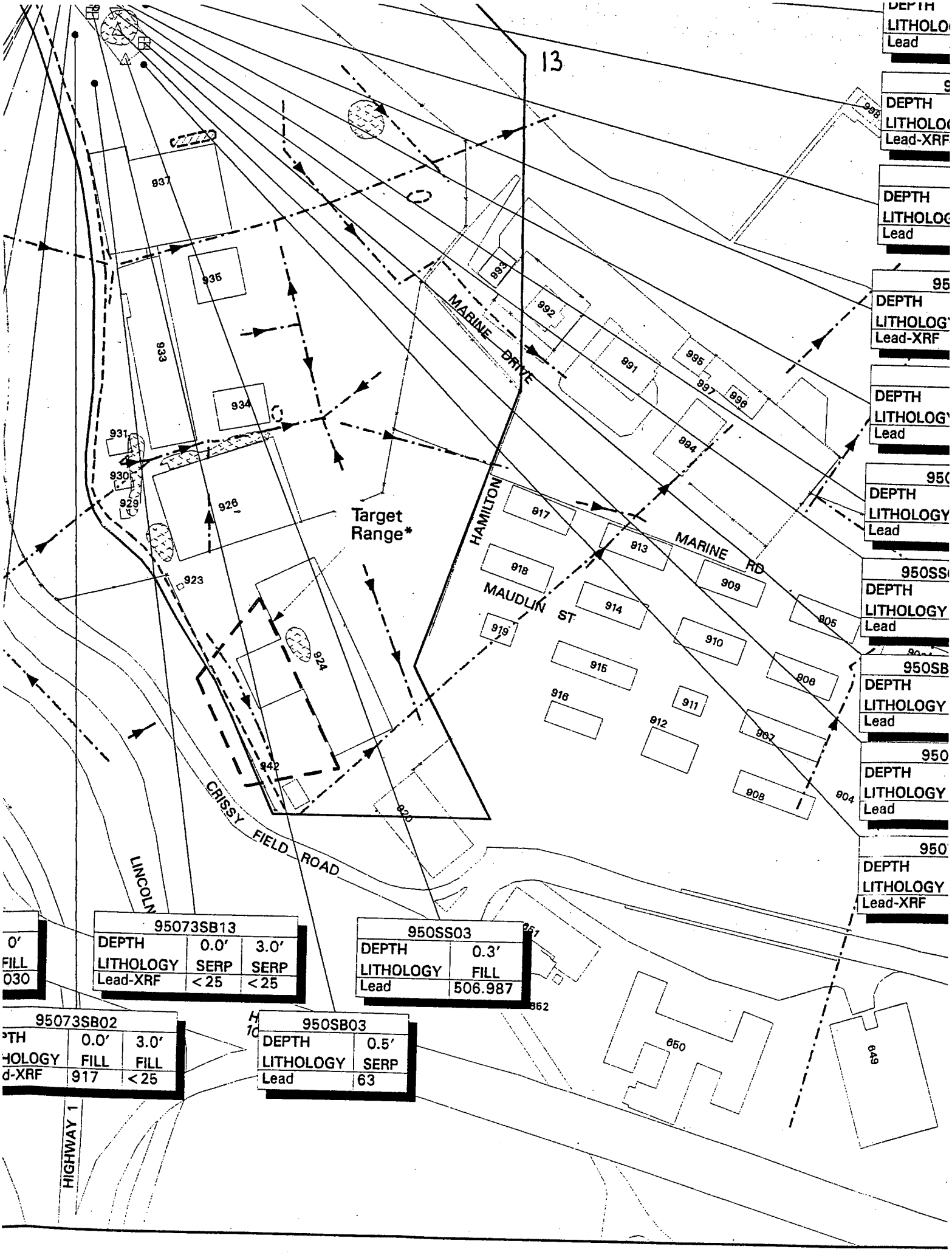
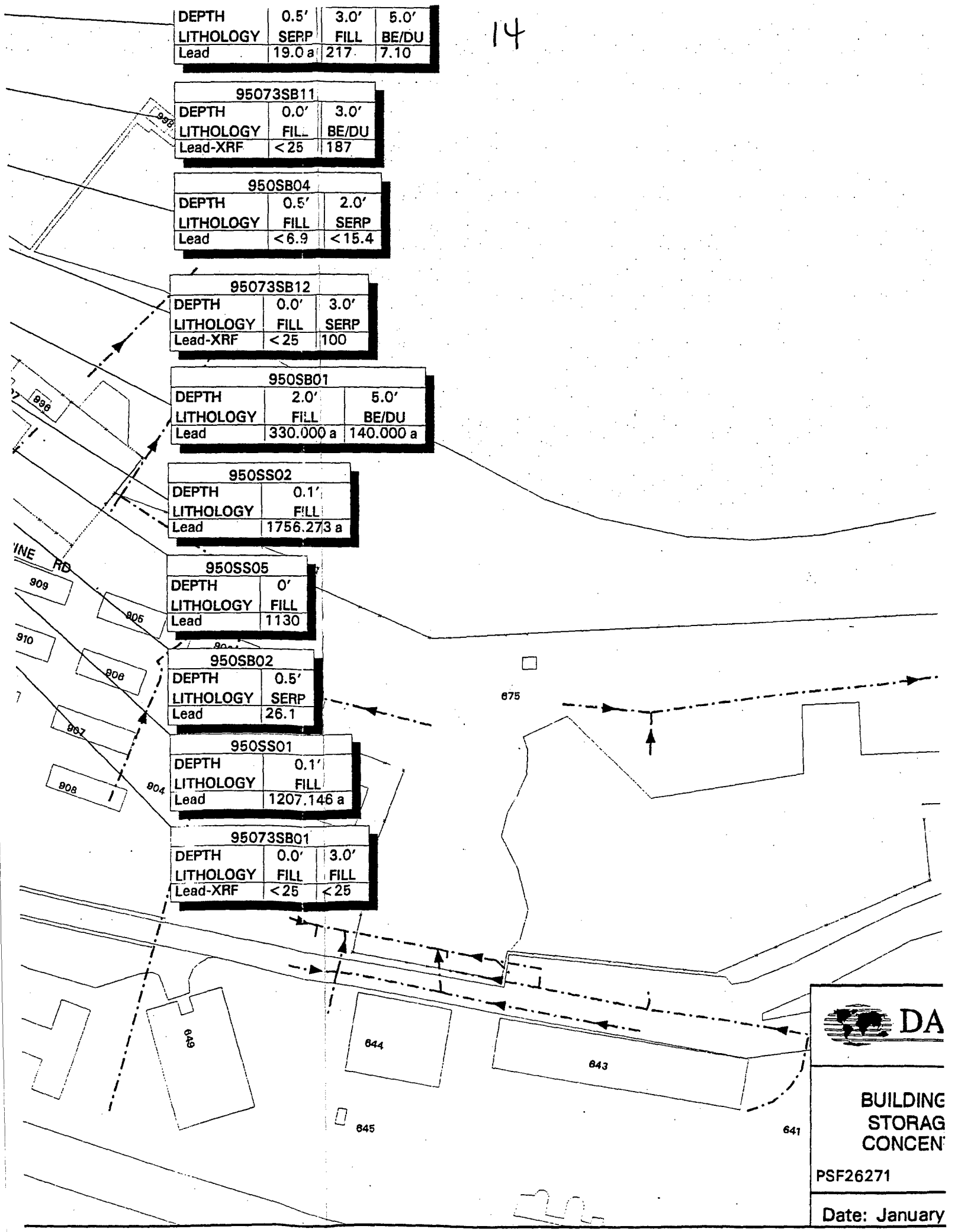
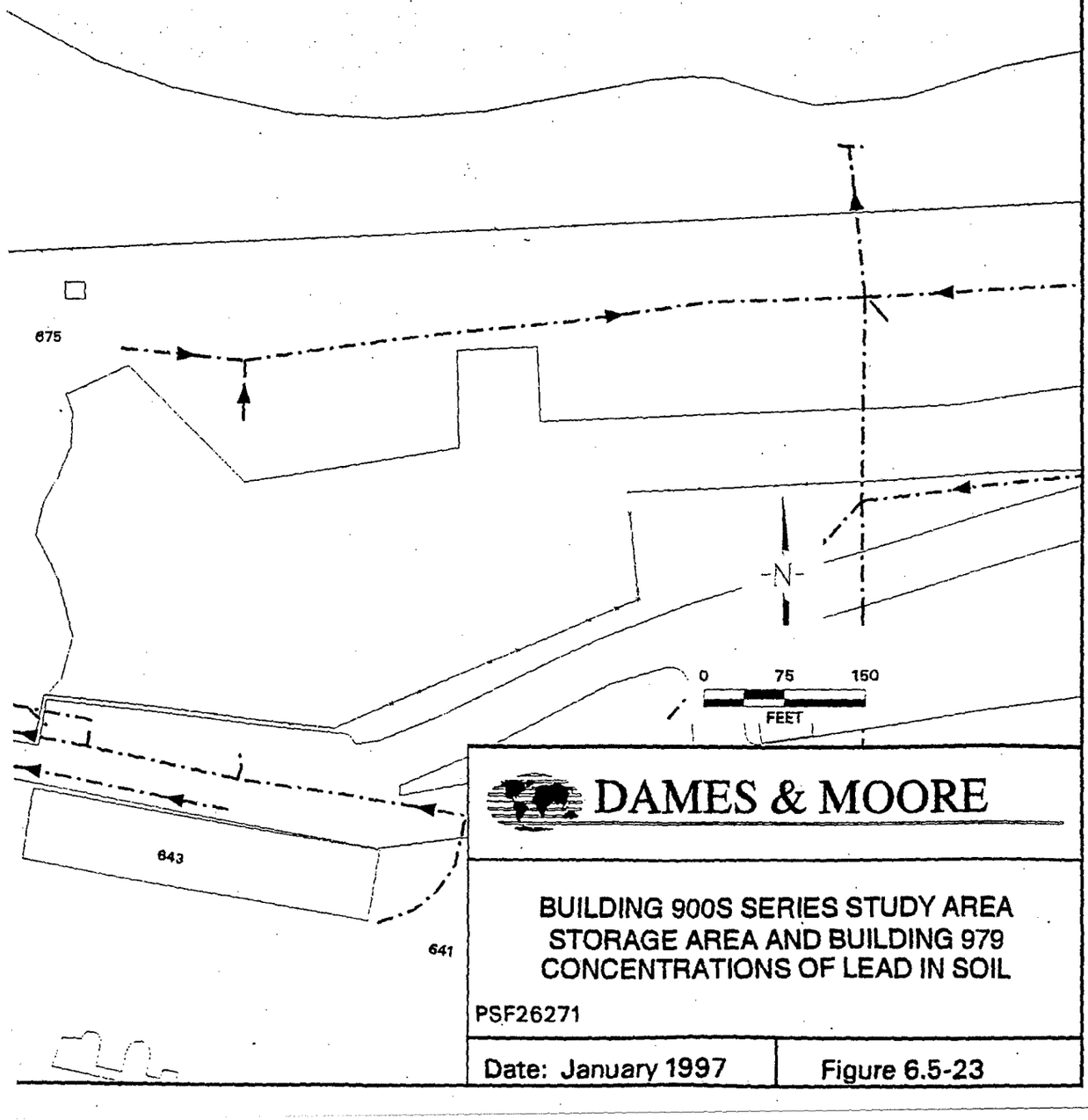


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


12
Tank
ROAD
HOFFMAN ST
LINCOLN AVE.
HWY 101
UPTON
ROAD
964
963
968
967
1234
1211
1261
1253
964
953
952
951
1282
1280
1279
1257
1268
1278
1259
1296
1299
1298
1293
1231
1230
1213
1233
1289
1286
1287
1228
LITHOLOGY | FILL | FILL
Lead | 150 | 83
95073SB06
DEPTH | 0.0′ | 3.0′
LITHOLOGY | FILL | SERP
Lead | NA | 4.77
Lead-XRF | 296 | < 25
973SS05
DEPTH | 0.0′
LITHOLOGY | FILL
Lead | 4000
973SS04
DEPTH | 0.0′
LITHOLOGY | FILL
Lead | 410
95073SB05
DEPTH | 0.0′ | 3.0′
LITHOLOGY | FILL | FILL
Lead | 41.7 | NA
Lead-XRF | 1500 | < 25
95073SB09
DEPTH | 0.0′ | 3.0′
LITHOLOGY | FILL | BE/DU
Lead-XRF | < 25 | < 25
973SS06
DEPTH | 0.0′
LITHOLOGY | FILL
Lead | 300
973SS07
DEPTH | 0.0′
LITHOLOGY | FILL
Lead | 880
95073SB04
DEPTH | 0.0′ | 3.0′
LITHOLOGY | FILL | SERP
Lead-XRF | 449 | 100
950SB05
DEPTH | 0.5′ | 3.5′
LITHOLOGY | SERP | FILL
Lead | 5.8 | 2460
950SS04MW
DEPTH | 0′
LITHOLOGY | FILL
Lead | 1220
95073SB03
DEPTH | 0.0′ | 3.0′ | 5.0′
LITHOLOGY | FILL | FILL | FILL
Lead-XRF | < 25 | 1160 | < 25
950SS06
DEPTH
LITHOLOGY | F
Lead | 1(
950SS04
DEPTH | 0.0′
LITHOLOGY | FILL
Lead | 89
950SS07
DEPTH | 0′
LITHOLOGY | FILL
Lead | 1240


13
937
936
933
934
931
930
929
926
923
924
942
820
Target Range*
MARINE DRIVE
HAMILTON
MAUDLIN ST
MARINE RD
CRISSY FIELD ROAD
LINCOLN
HIGHWAY 1
999
992
991
995
997
996
994
917
913
918
909
914
919
910
915
906
916
911
912
907
908
904
905
650
649
95073SB13
DEPTH | 0.0′ | 3.0′
LITHOLOGY | SERP | SERP
Lead-XRF | < 25 | < 25
950SS03
DEPTH | 0.3′
LITHOLOGY | FILL
Lead | 506.987
95073SB02
DEPTH | 0.0′ | 3.0′
LITHOLOGY | FILL | FILL
Lead-XRF | 917 | < 25
950SB03
DEPTH | 0.5′
LITHOLOGY | SERP
Lead | 63


DEPTH | 0.5' | 3.0' | 5.0'
LITHOLOGY | SERP | FILL | BE/DU
Lead | 19.0 a | 217 | 7.10
95073SB11
DEPTH | 0.0' | 3.0'
LITHOLOGY | FILL | BE/DU
Lead-XRF | < 25 | 187
950SB04
DEPTH | 0.5' | 2.0'
LITHOLOGY | FILL | SERP
Lead | < 6.9 | < 15.4
95073SB12
DEPTH | 0.0' | 3.0'
LITHOLOGY | FILL | SERP
Lead-XRF | < 25 | 100
950SB01
DEPTH | 2.0' | 5.0'
LITHOLOGY | FILL | BE/DU
Lead | 330.000 a | 140.000 a
950SS02
DEPTH | 0.1'
LITHOLOGY | FILL
Lead | 1756.273 a
950SS05
DEPTH | 0'
LITHOLOGY | FILL
Lead | 1130
950SB02
DEPTH | 0.5'
LITHOLOGY | SERP
Lead | 26.1
950SS01
DEPTH | 0.1'
LITHOLOGY | FILL
Lead | 1207.146 a
95073SB01
DEPTH | 0.0' | 3.0'
LITHOLOGY | FILL | FILL
Lead-XRF | < 25 | < 25
14
998
996
909
905
910
906
907
908
904
675
649
644
643
645
641
DA
BUILDING
STORAG
CONCEN
PSF26271
Date: January



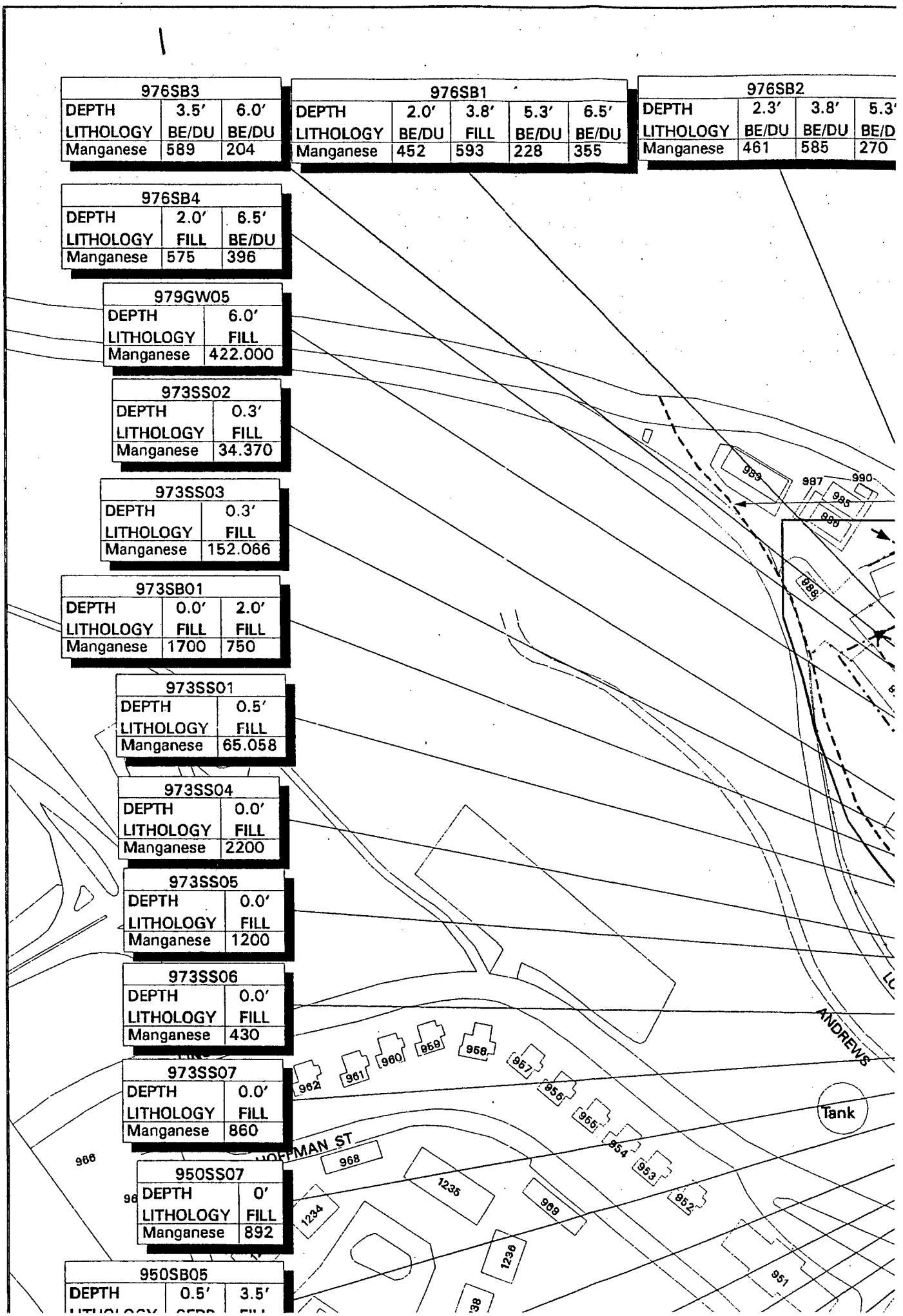
DAMES & MOORE

BUILDING 900S SERIES STUDY AREA
STORAGE AREA AND BUILDING 979
CONCENTRATIONS OF LEAD IN SOIL

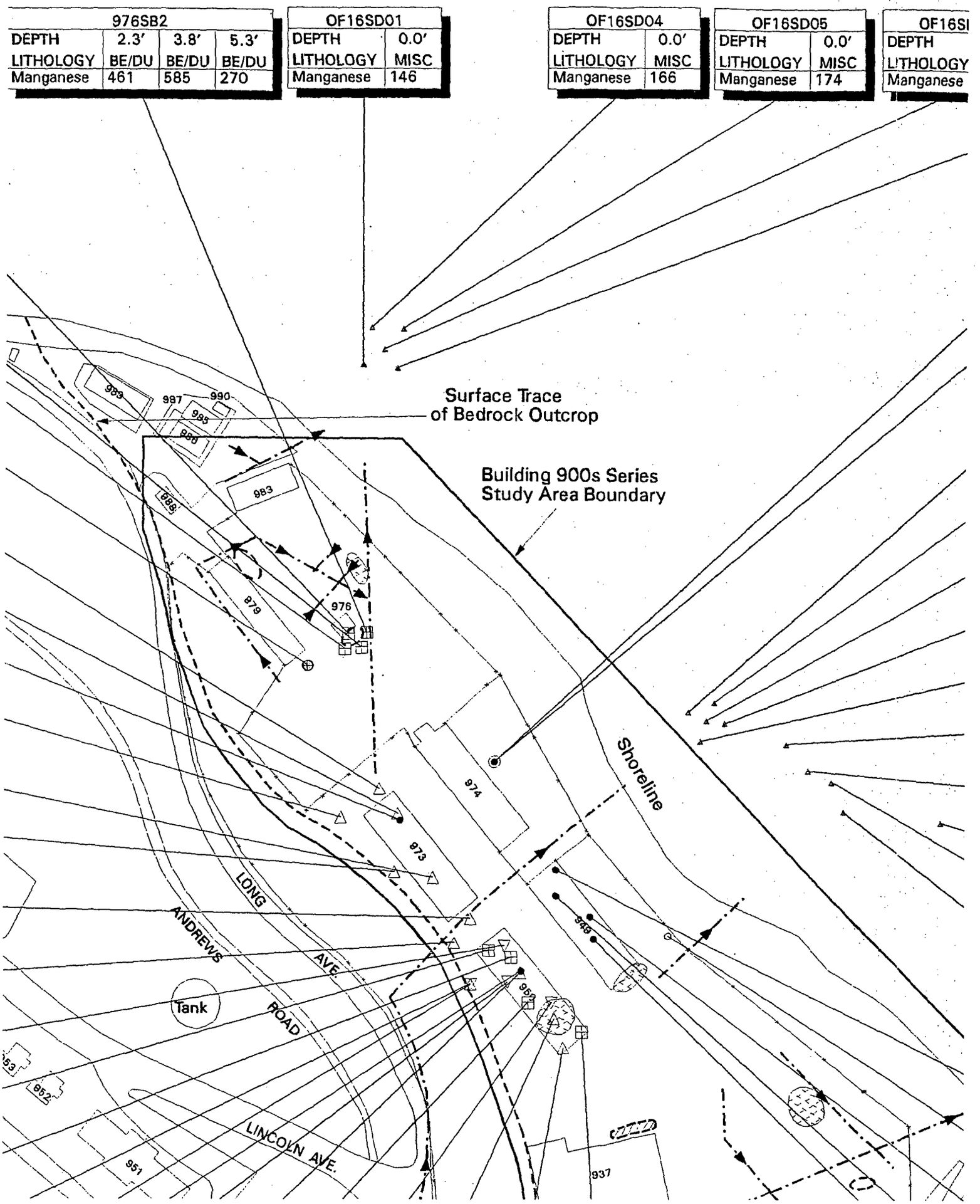
PSF26271

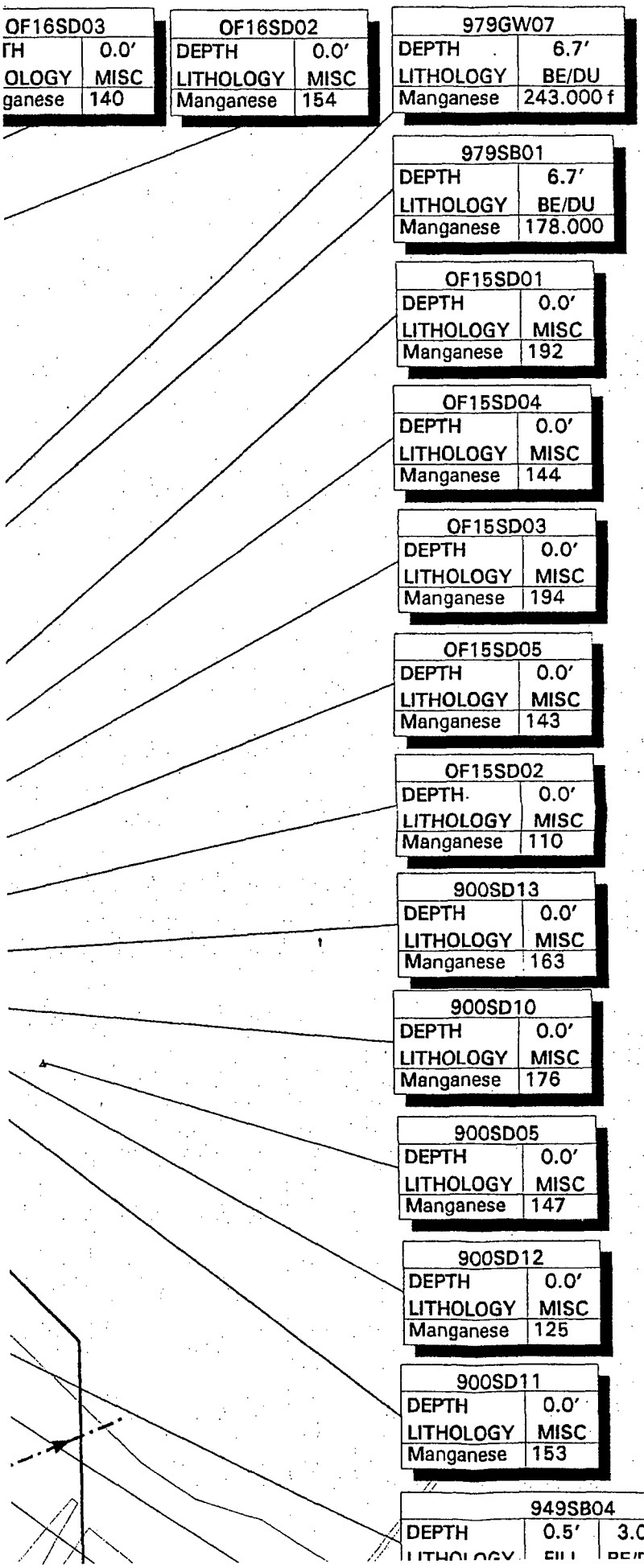
Date: January 1997

Figure 6.5-23


976SB3
DEPTH | 3.5′ | 6.0′
LITHOLOGY | BE/DU | BE/DU
Manganese | 589 | 204
976SB1
DEPTH | 2.0′ | 3.8′ | 5.3′ | 6.5′
LITHOLOGY | BE/DU | FILL | BE/DU | BE/DU
Manganese | 452 | 593 | 228 | 355
976SB2
DEPTH | 2.3′ | 3.8′ | 5.3′
LITHOLOGY | BE/DU | BE/DU | BE/D
Manganese | 461 | 585 | 270
976SB4
DEPTH | 2.0′ | 6.5′
LITHOLOGY | FILL | BE/DU
Manganese | 575 | 396
979GW05
DEPTH | 6.0′
LITHOLOGY | FILL
Manganese | 422.000
973SS02
DEPTH | 0.3′
LITHOLOGY | FILL
Manganese | 34.370
973SS03
DEPTH | 0.3′
LITHOLOGY | FILL
Manganese | 152.066
973SB01
DEPTH | 0.0′ | 2.0′
LITHOLOGY | FILL | FILL
Manganese | 1700 | 750
973SS01
DEPTH | 0.5′
LITHOLOGY | FILL
Manganese | 65.058
973SS04
DEPTH | 0.0′
LITHOLOGY | FILL
Manganese | 2200
973SS05
DEPTH | 0.0′
LITHOLOGY | FILL
Manganese | 1200
973SS06
DEPTH | 0.0′
LITHOLOGY | FILL
Manganese | 430
973SS07
DEPTH | 0.0′
LITHOLOGY | FILL
Manganese | 860
950SS07
DEPTH | 0′
LITHOLOGY | FILL
Manganese | 892
950SB05
DEPTH | 0.5′ | 3.5′
989
987
990
985
986
988
ANDREWS
962
961
960
959
958
957
956
955
954
953
952
951
968
966
1235
969
1234
1236
Tank

2


976SB2
DEPTH | 2.3' | 3.8' | 5.3'
LITHOLOGY | BE/DU | BE/DU | BE/DU
Manganese | 461 | 585 | 270
OF16SD01
DEPTH | 0.0'
LITHOLOGY | MISC
Manganese | 146
OF16SD04
DEPTH | 0.0'
LITHOLOGY | MISC
Manganese | 166
OF16SD05
DEPTH | 0.0'
LITHOLOGY | MISC
Manganese | 174
OF16SI
DEPTH
LITHOLOGY
Manganese
Surface Trace of Bedrock Outcrop
Building 900s Series Study Area Boundary
Shoreline
LONG ANDREWS AVE.
ROAD
LINCOLN AVE.
Tank
983
987
990
995
998
988
979
976
974
973
969
958
953
952
951
937



EXPLANATION

- ESAP SEDIMENT SAMPLE
- SURFACE SOIL SAMPLE
- MONTGOMERY WATSON SURFACE SOIL SAMPLE
- SOIL BORING
- MONTGOMERY WATSON SOIL BORING
- SHALLOW MONITORING WELL WITH SOIL SAMPLES
- DEEP MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STORM DRAIN WITH FLOW DIRECTION
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

San Francisco Bay

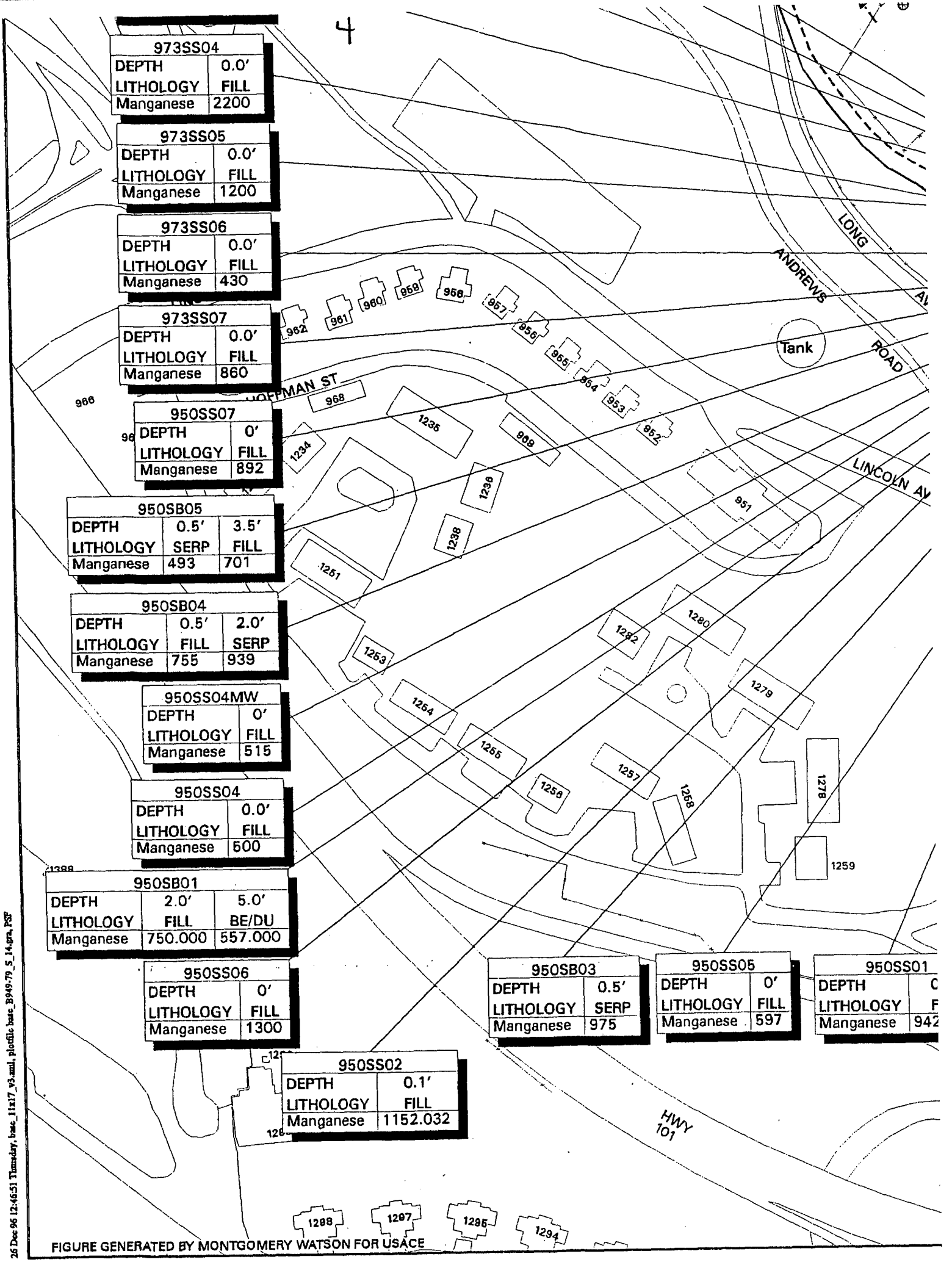


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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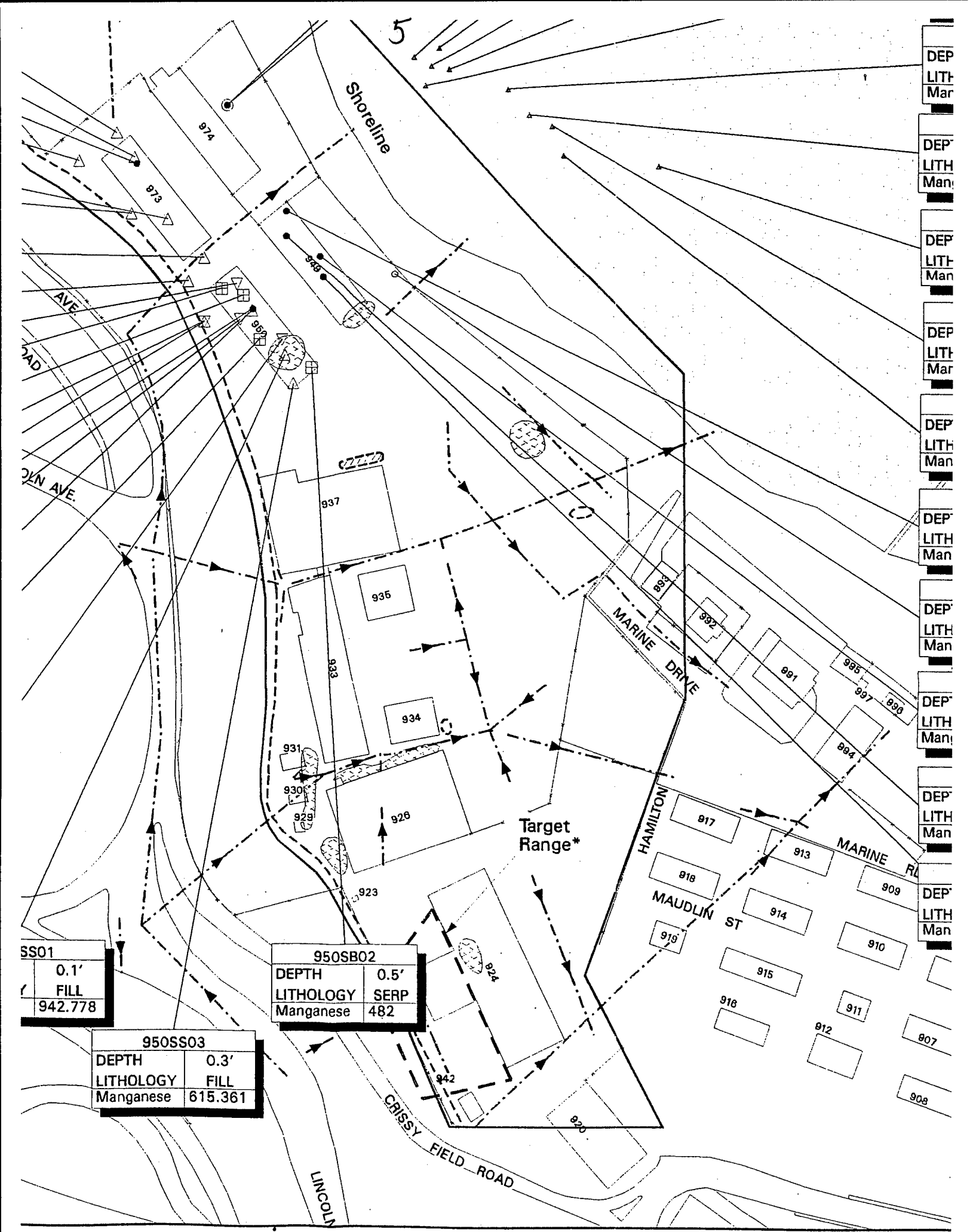
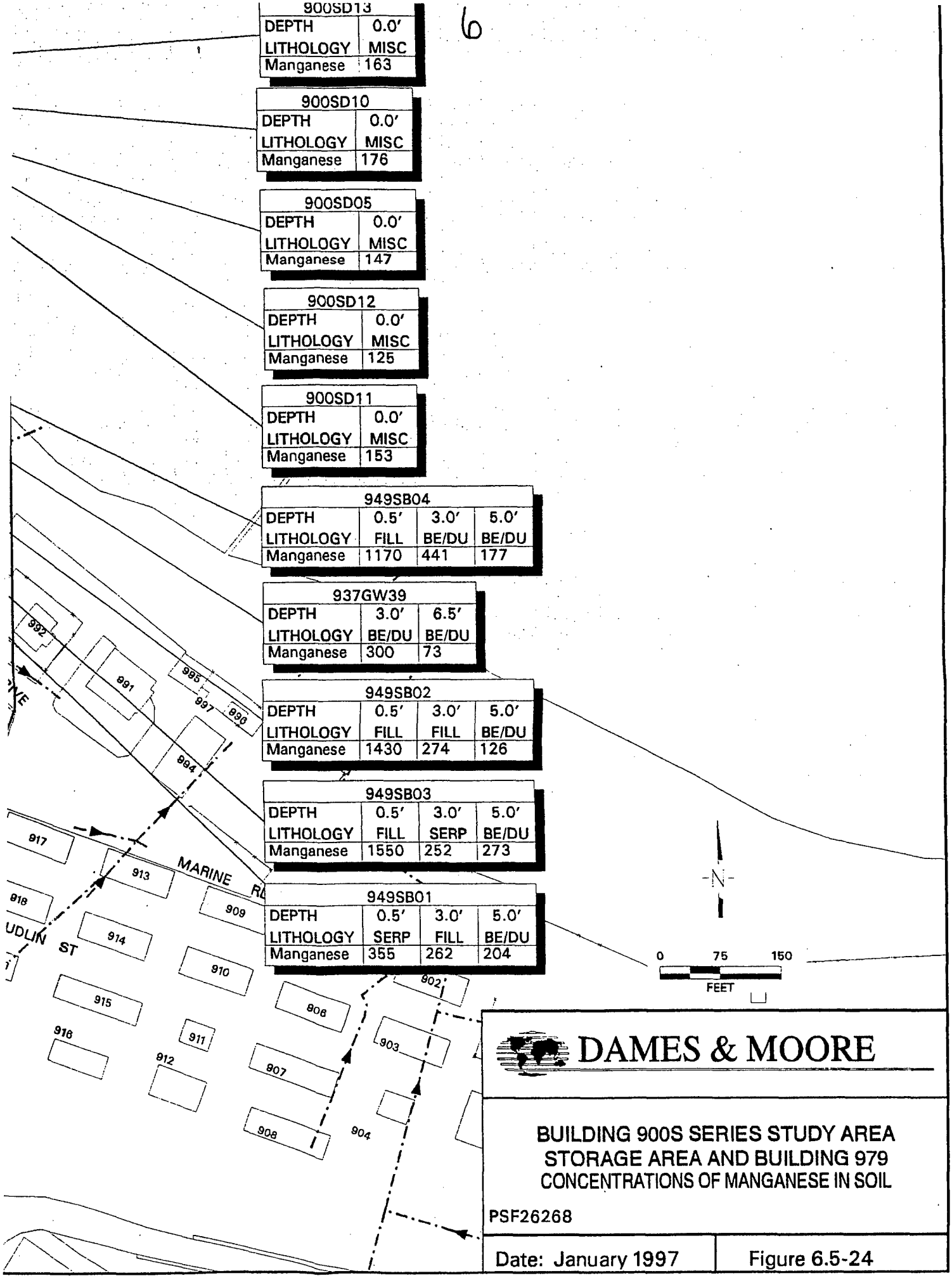

5
Shoreline
974
973
949
950
937
935
933
934
931
930
929
926
923
924
942
920
998
992
991
995
997
996
994
917
913
918
909
914
919
910
915
916
911
912
907
908
MARINE DRIVE
HAMILTON
MAUDLIN ST
CRISSY FIELD ROAD
Target Range*
950SS01
0.1'
FILL
942.778
950SB02
DEPTH 0.5'
LITHOLOGY SERP
Manganese 482
950SS03
DEPTH 0.3'
LITHOLOGY FILL
Manganese 615.361



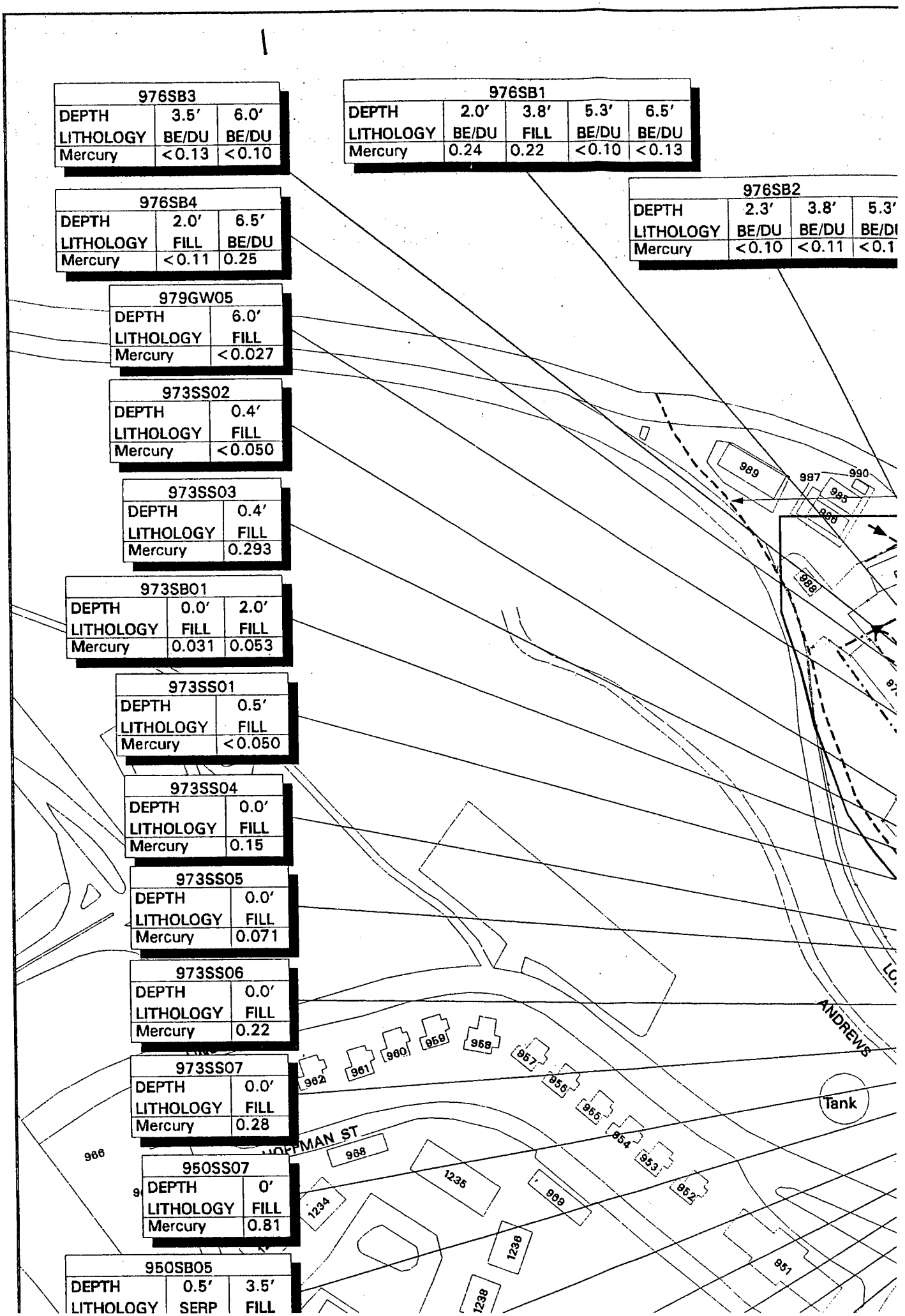
6

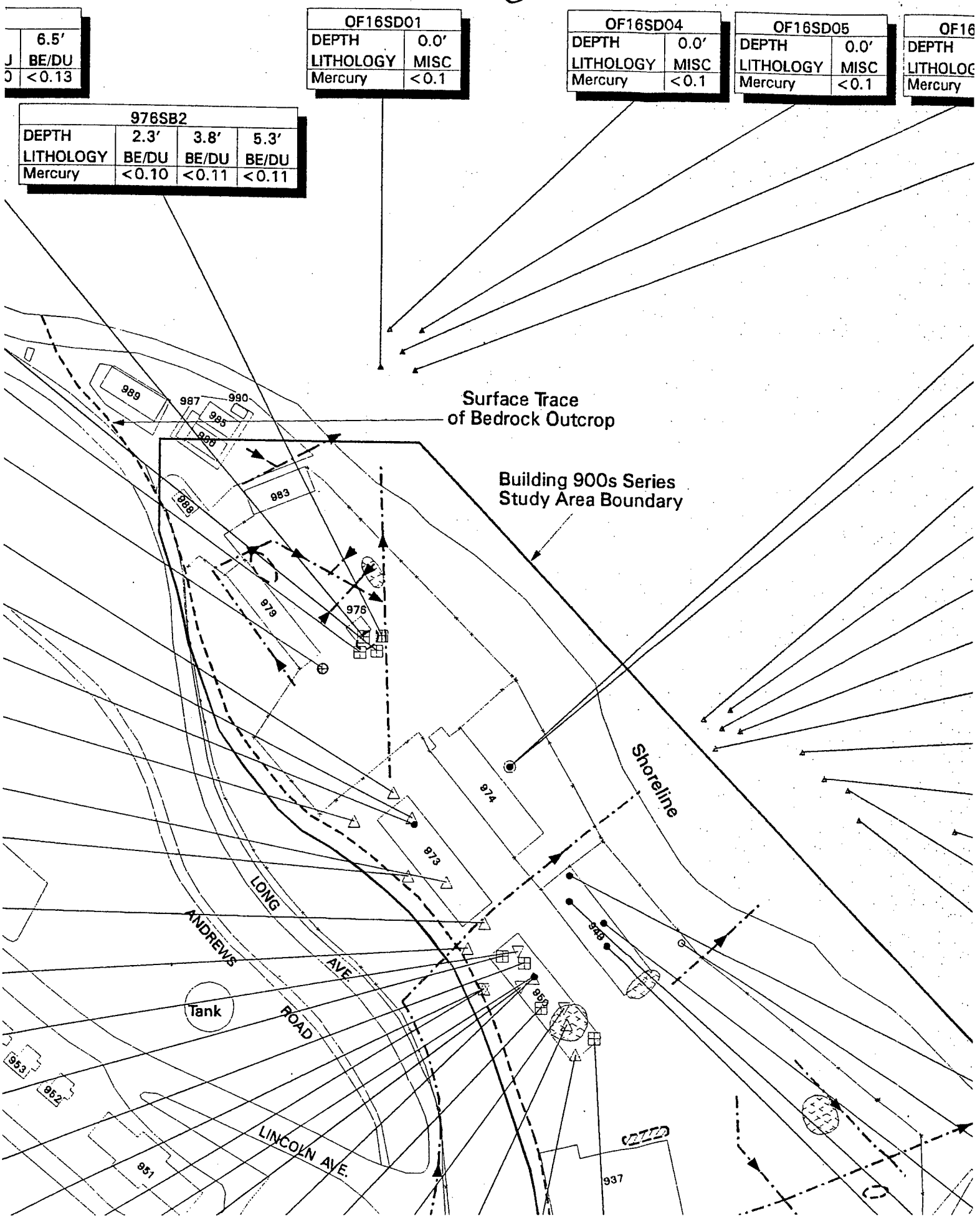
DAMES & MOORE

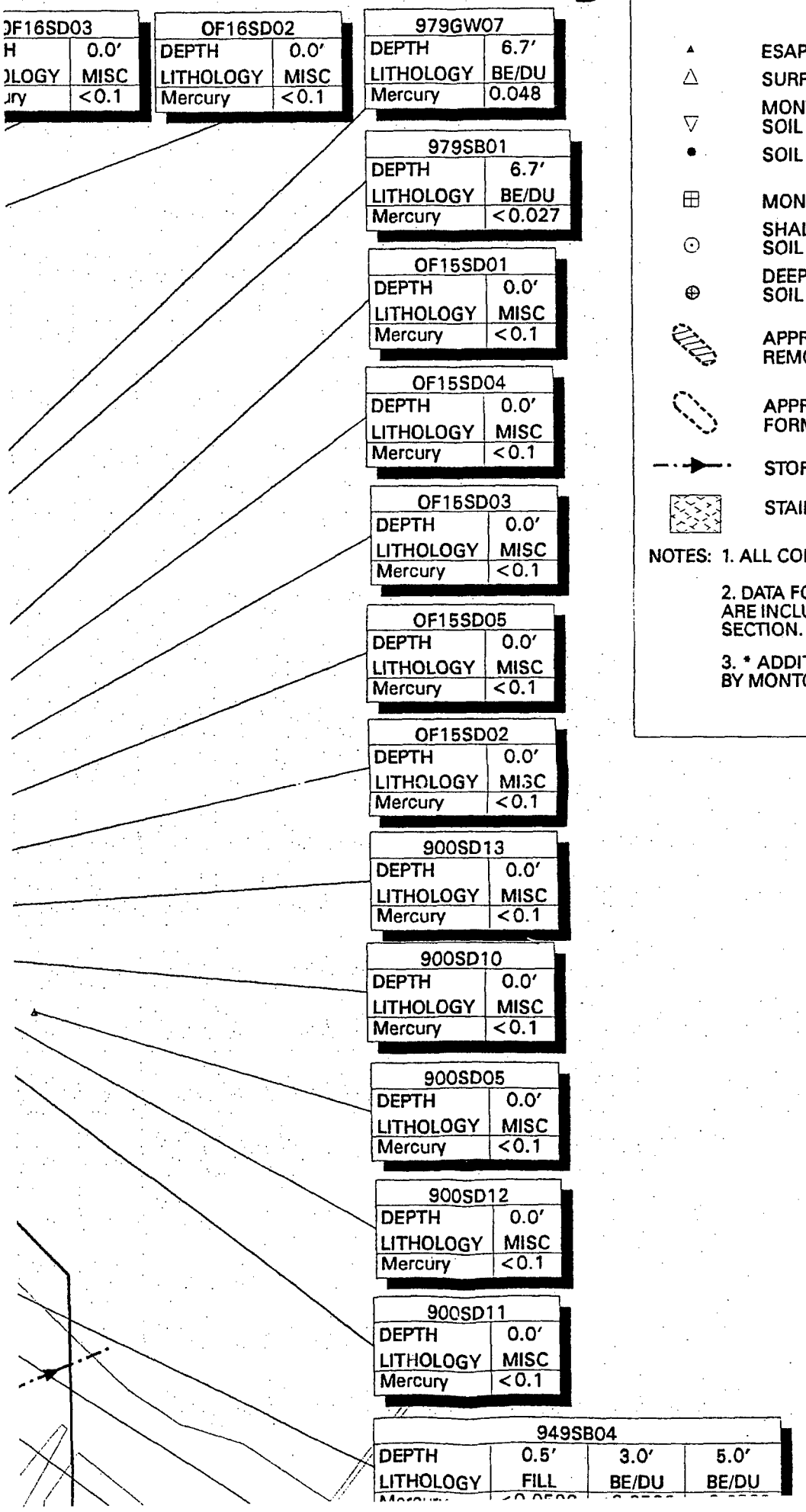
BUILDING 900S SERIES STUDY AREA
STORAGE AREA AND BUILDING 979
CONCENTRATIONS OF MANGANESE IN SOIL

PSF26268

Date: January 1997 | Figure 6.5-24


976SB3
DEPTH | 3.5′ | 6.0′
LITHOLOGY | BE/DU | BE/DU
Mercury | <0.13 | <0.10
976SB1
DEPTH | 2.0′ | 3.8′ | 5.3′ | 6.5′
LITHOLOGY | BE/DU | FILL | BE/DU | BE/DU
Mercury | 0.24 | 0.22 | <0.10 | <0.13
976SB2
DEPTH | 2.3′ | 3.8′ | 5.3′
LITHOLOGY | BE/DU | BE/DU | BE/DU
Mercury | <0.10 | <0.11 | <0.1
976SB4
DEPTH | 2.0′ | 6.5′
LITHOLOGY | FILL | BE/DU
Mercury | <0.11 | 0.25
979GW05
DEPTH | 6.0′
LITHOLOGY | FILL
Mercury | <0.027
973SS02
DEPTH | 0.4′
LITHOLOGY | FILL
Mercury | <0.050
973SS03
DEPTH | 0.4′
LITHOLOGY | FILL
Mercury | 0.293
973SB01
DEPTH | 0.0′ | 2.0′
LITHOLOGY | FILL | FILL
Mercury | 0.031 | 0.053
973SS01
DEPTH | 0.5′
LITHOLOGY | FILL
Mercury | <0.050
973SS04
DEPTH | 0.0′
LITHOLOGY | FILL
Mercury | 0.15
973SS05
DEPTH | 0.0′
LITHOLOGY | FILL
Mercury | 0.071
973SS06
DEPTH | 0.0′
LITHOLOGY | FILL
Mercury | 0.22
973SS07
DEPTH | 0.0′
LITHOLOGY | FILL
Mercury | 0.28
950SS07
DEPTH | 0′
LITHOLOGY | FILL
Mercury | 0.81
950SB05
DEPTH | 0.5′ | 3.5′
LITHOLOGY | SERP | FILL
989
987
990
985
988
988
ANDREWS
962
961
960
959
968
957
956
965
954
953
952
Tank
HOFFMAN ST
966
968
1235
969
1234
1236
951
1238


6.5′
BE/DU
<0.13
OF16SD01
DEPTH 0.0′
LITHOLOGY MISC
Mercury <0.1
OF16SD04
DEPTH 0.0′
LITHOLOGY MISC
Mercury <0.1
OF16SD05
DEPTH 0.0′
LITHOLOGY MISC
Mercury <0.1
OF16
DEPTH
LITHOLOG
Mercury
976SB2
DEPTH 2.3′ BE/DU 3.8′ BE/DU 5.3′ BE/DU
LITHOLOGY
Mercury <0.10 <0.11 <0.11
Surface Trace of Bedrock Outcrop
Building 900s Series Study Area Boundary
Shoreline
LONG ANDREWS AVE.
ROAD
LINCOLN AVE.
Tank
989
987
990
985
986
983
979
976
974
973
945
953
952
951
937



EXPLANATION

- ESAP SEDIMENT SAMPLE
- SURFACE SOIL SAMPLE
- MONTGOMERY WATSON SURFACE SOIL SAMPLE
- SOIL BORING
- MONTGOMERY WATSON SOIL BORING
- SHALLOW MONITORING WELL WITH SOIL SAMPLES
- DEEP MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STORM DRAIN WITH FLOW DIRECTION
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

San Francisco Bay

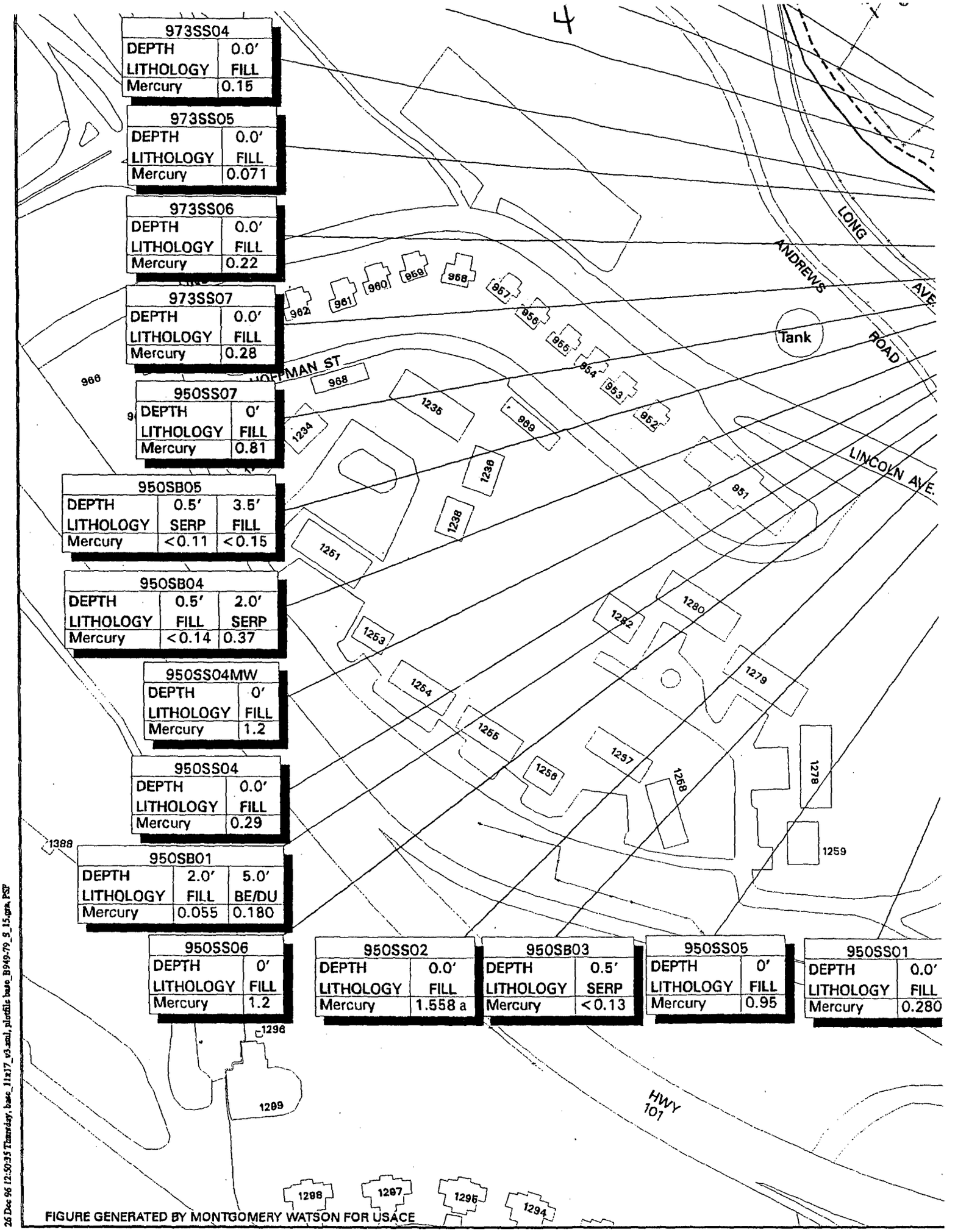


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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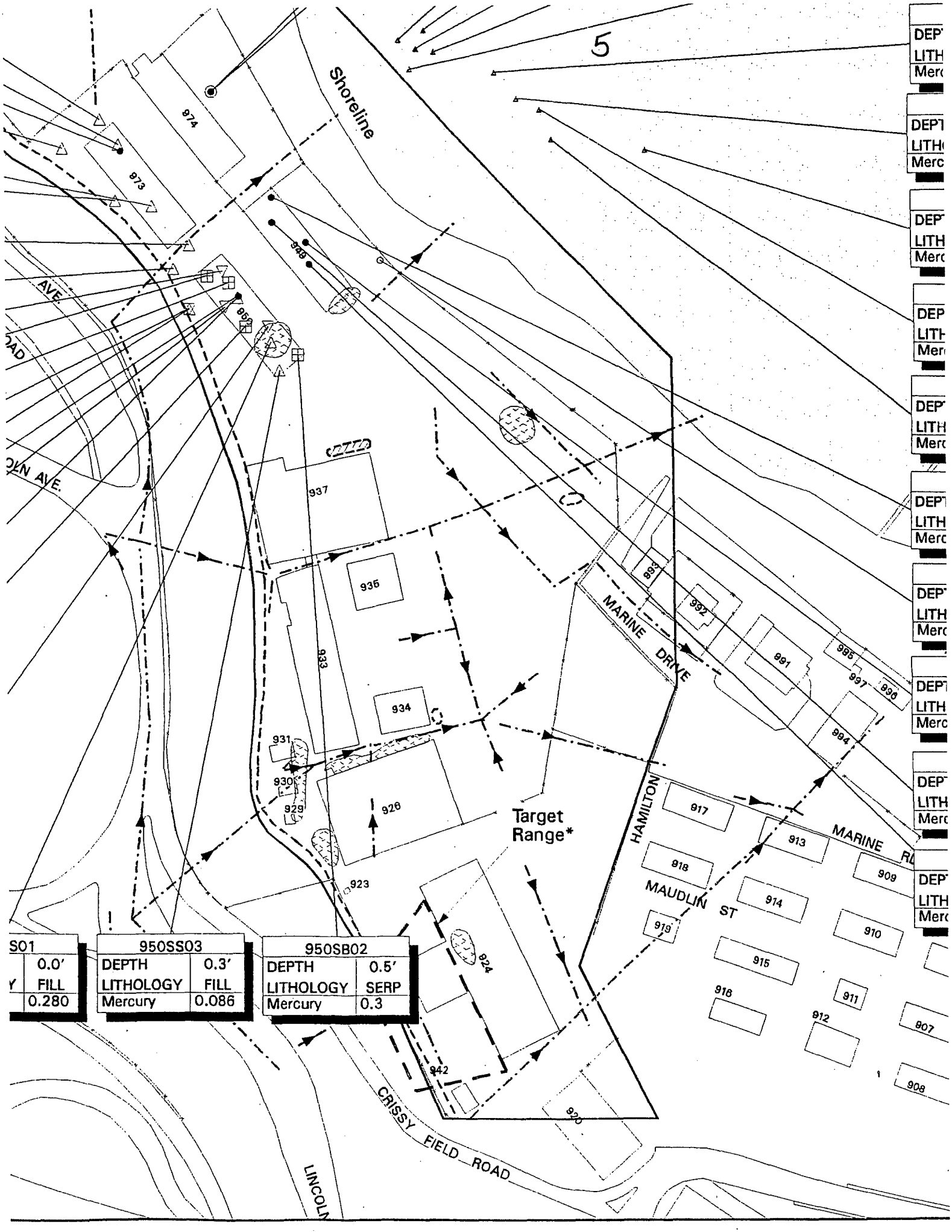
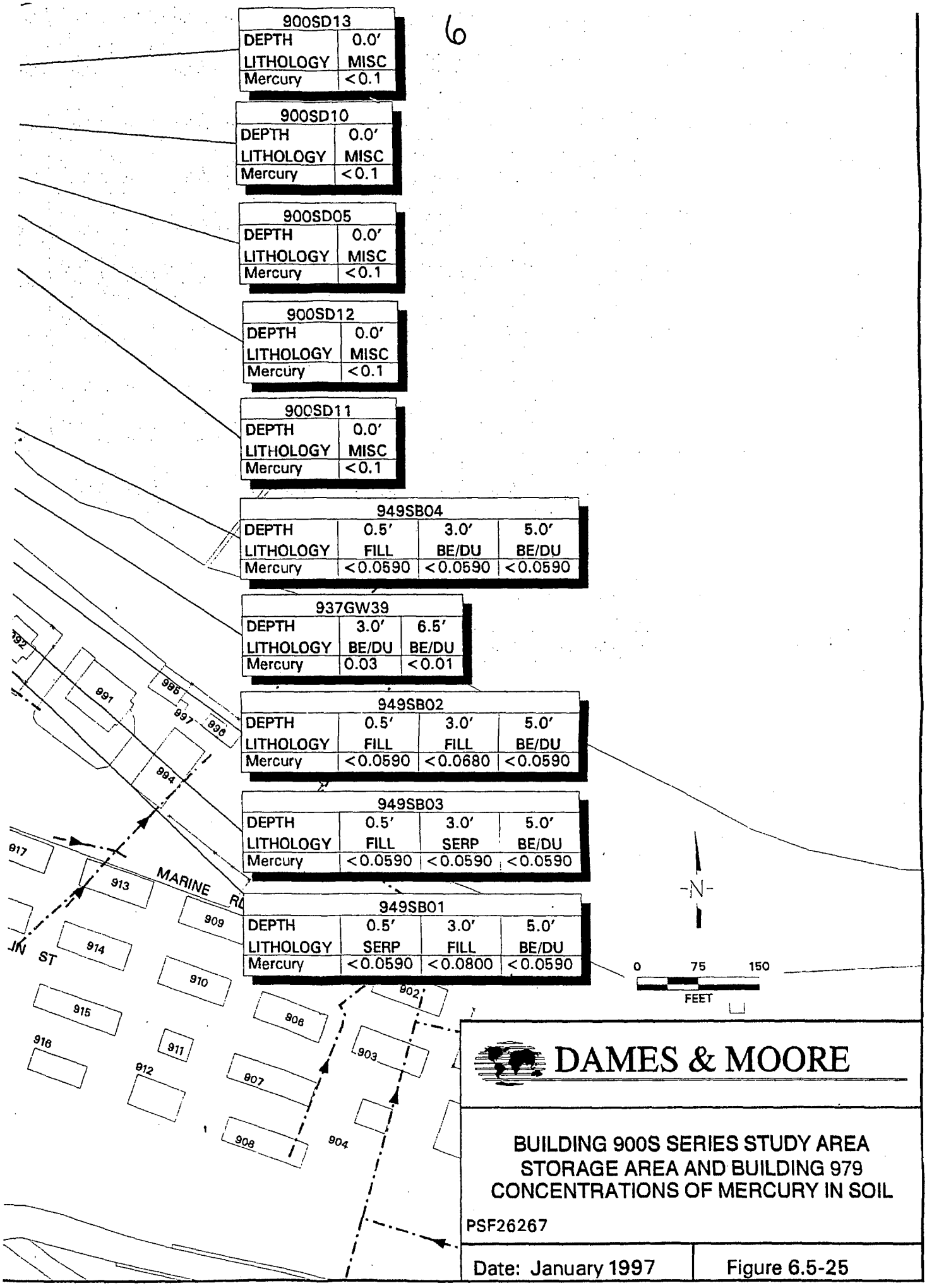

5
Shoreline
974
973
969
965
937
936
935
934
933
931
930
929
926
923
924
942
920
893
892
991
995
997
998
994
917
913
918
909
914
919
910
915
916
911
912
907
908
Target Range*
MARINE DRIVE
HAMILTON
MAUDLIN ST
CRISSY FIELD ROAD
950SS01
0.0′
FILL
0.280
950SS03
DEPTH 0.3′
LITHOLOGY FILL
Mercury 0.086
950SB02
DEPTH 0.5′
LITHOLOGY SERP
Mercury 0.3

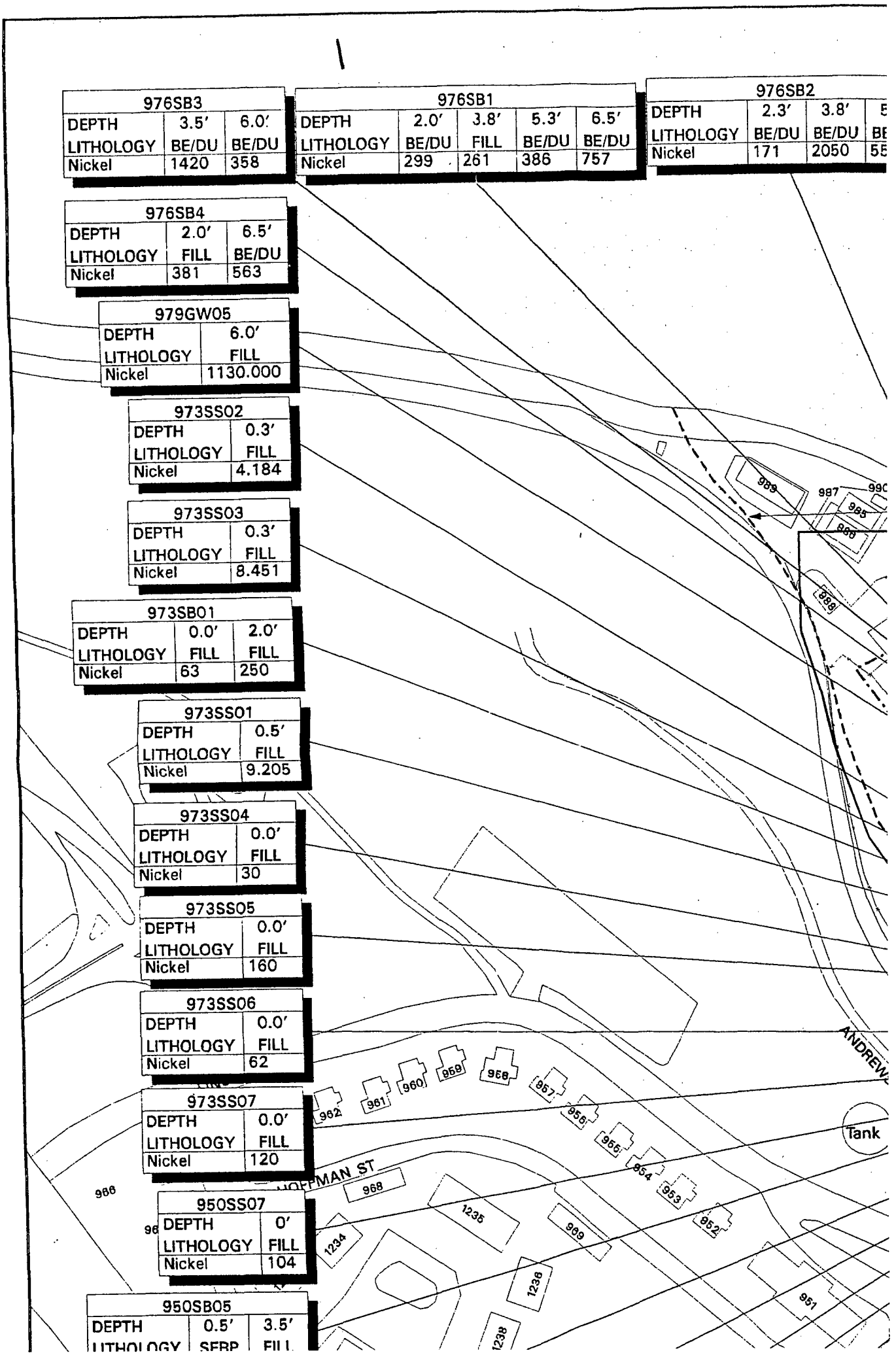


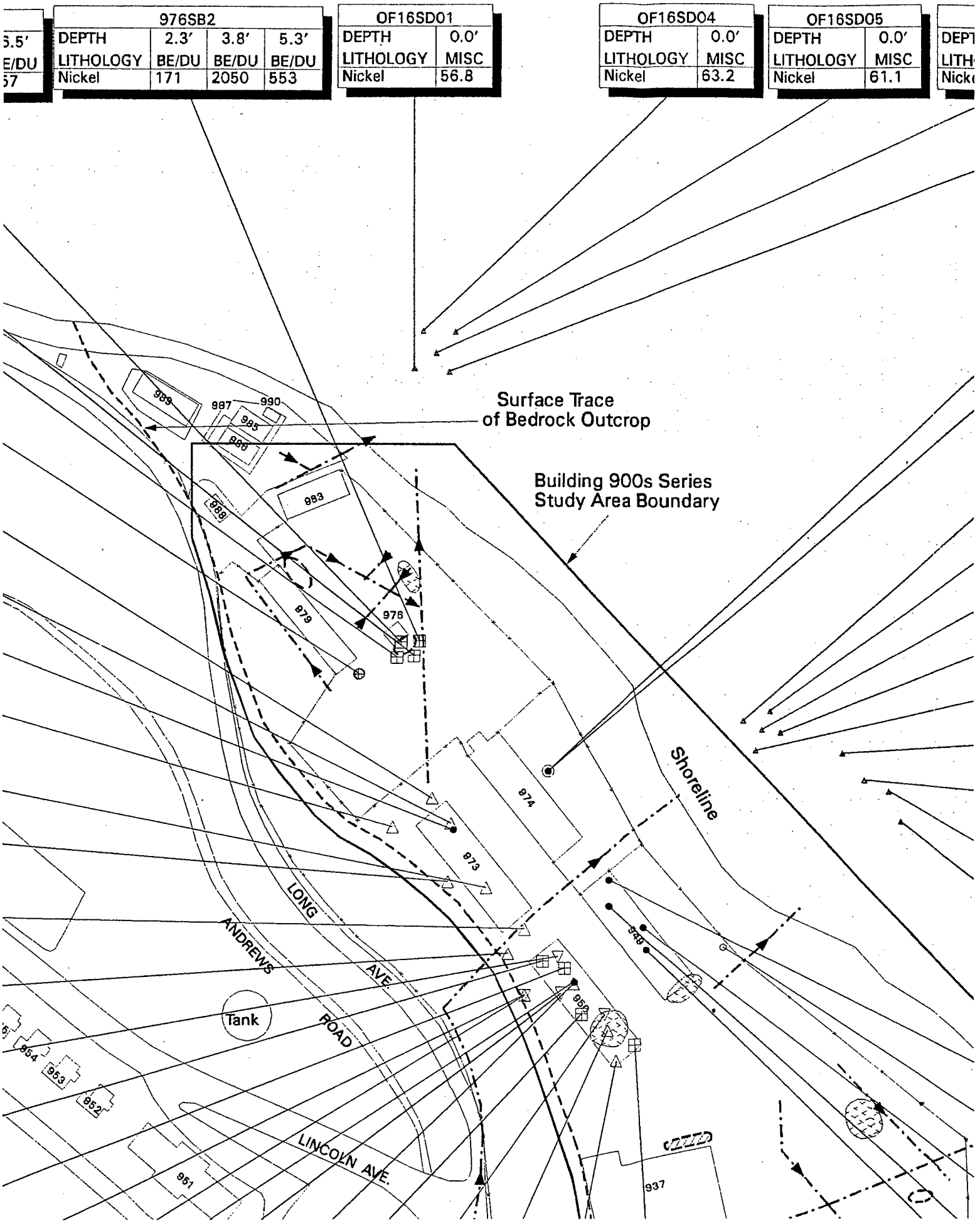
DAMES & MOORE

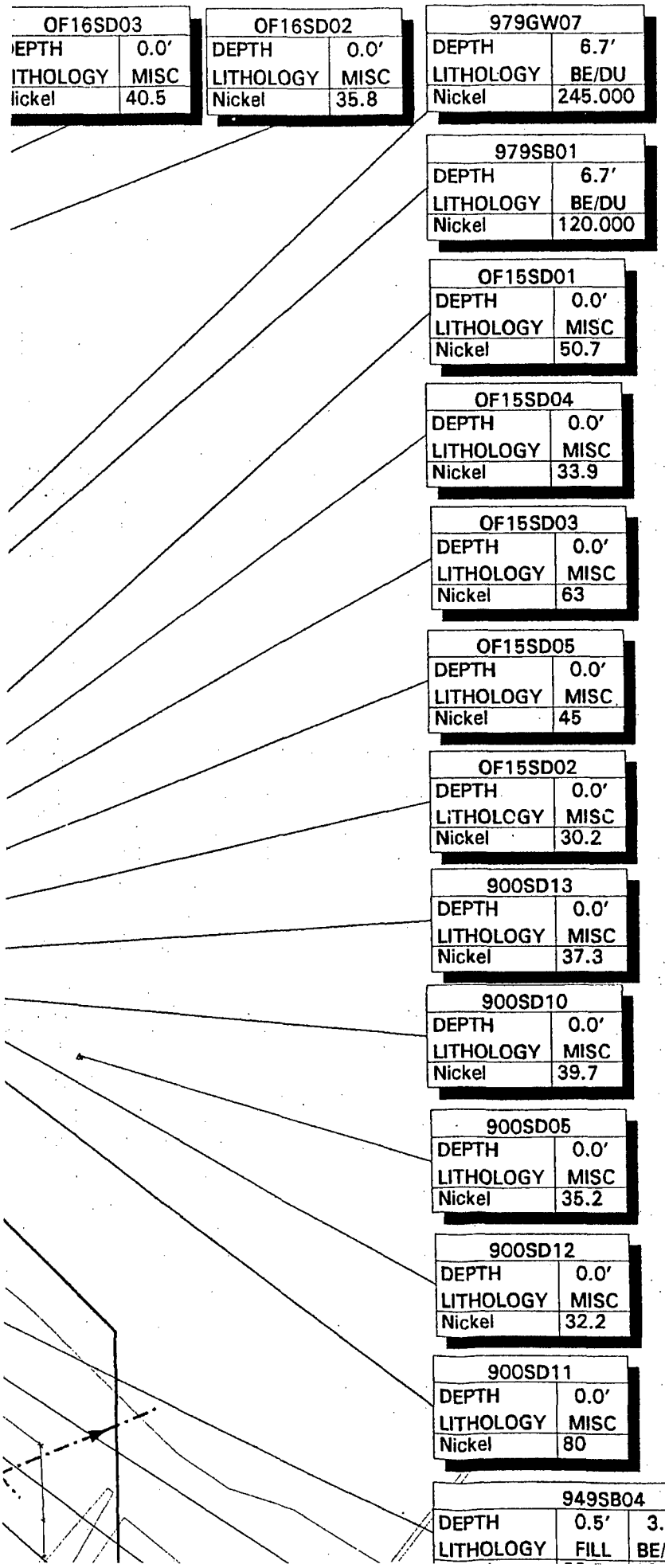
BUILDING 900S SERIES STUDY AREA
STORAGE AREA AND BUILDING 979
CONCENTRATIONS OF MERCURY IN SOIL

PSF26267

Date: January 1997 | Figure 6.5-25


976SB3
DEPTH 3.5′ 6.0′
LITHOLOGY BE/DU BE/DU
Nickel 1420 358
976SB1
DEPTH 2.0′ 3.8′ 5.3′ 6.5′
LITHOLOGY BE/DU FILL BE/DU BE/DU
Nickel 299 261 386 757
976SB2
DEPTH 2.3′ 3.8′
LITHOLOGY BE/DU BE/DU
Nickel 171 2050
976SB4
DEPTH 2.0′ 6.5′
LITHOLOGY FILL BE/DU
Nickel 381 563
979GW05
DEPTH 6.0′
LITHOLOGY FILL
Nickel 1130.000
973SS02
DEPTH 0.3′
LITHOLOGY FILL
Nickel 4.184
973SS03
DEPTH 0.3′
LITHOLOGY FILL
Nickel 8.451
973SB01
DEPTH 0.0′ 2.0′
LITHOLOGY FILL FILL
Nickel 63 250
973SS01
DEPTH 0.5′
LITHOLOGY FILL
Nickel 9.205
973SS04
DEPTH 0.0′
LITHOLOGY FILL
Nickel 30
973SS05
DEPTH 0.0′
LITHOLOGY FILL
Nickel 160
973SS06
DEPTH 0.0′
LITHOLOGY FILL
Nickel 62
973SS07
DEPTH 0.0′
LITHOLOGY FILL
Nickel 120
950SS07
DEPTH 0′
LITHOLOGY FILL
Nickel 104
950SB05
DEPTH 0.5′ 3.5′
989
987
985
986
988
962
961
960
959
958
957
956
954
953
952
951
968
966
1234
1235
1236
1238
969
ANDREW
Tank
HOFFMAN ST


976SB2
DEPTH | 2.3′ | 3.8′ | 5.3′
LITHOLOGY | BE/DU | BE/DU | BE/DU
Nickel | 171 | 2050 | 553
OF16SD01
DEPTH | 0.0′
LITHOLOGY | MISC
Nickel | 56.8
OF16SD04
DEPTH | 0.0′
LITHOLOGY | MISC
Nickel | 63.2
OF16SD05
DEPTH | 0.0′
LITHOLOGY | MISC
Nickel | 61.1
Surface Trace of Bedrock Outcrop
Building 900s Series Study Area Boundary
Shoreline
LONG ANDREWS AVE.
ROAD
LINCOLN AVE.
Tank
976
973
974
983
979
989
987
990
985
986
949
960
964
953
952
951
937



OF16SD03	
EPTH	0.0′
ITHOLOGY	MISC
lickel	40.5

OF16SD02	
DEPTH	0.0′
LITHOLOGY	MISC
Nickel	35.8

979GW07	
DEPTH	6.7′
LITHOLOGY	BE/DU
Nickel	245.000

979SB01	
DEPTH	6.7′
LITHOLOGY	BE/DU
Nickel	120.000

OF15SD01	
DEPTH	0.0′
LITHOLOGY	MISC
Nickel	50.7

OF15SD04	
DEPTH	0.0′
LITHOLOGY	MISC
Nickel	33.9

OF15SD03	
DEPTH	0.0′
LITHOLOGY	MISC
Nickel	63

OF15SD05	
DEPTH	0.0′
LITHOLOGY	MISC
Nickel	45

OF15SD02	
DEPTH	0.0′
LITHOLOGY	MISC
Nickel	30.2

900SD13	
DEPTH	0.0′
LITHOLOGY	MISC
Nickel	37.3

900SD10	
DEPTH	0.0′
LITHOLOGY	MISC
Nickel	39.7

900SD05	
DEPTH	0.0′
LITHOLOGY	MISC
Nickel	35.2

900SD12	
DEPTH	0.0′
LITHOLOGY	MISC
Nickel	32.2

900SD11	
DEPTH	0.0′
LITHOLOGY	MISC
Nickel	80

949SB04			
DEPTH	0.5′	3.0′	5.0′
LITHOLOGY	FILL	BE/DU	BE/DU

EXPLANATION

- ESAP SEDIMENT SAMPLE
- SURFACE SOIL SAMPLE
- MONTGOMERY WATSON SURFACE SOIL SAMPLE
- SOIL BORING
- MONTGOMERY WATSON SOIL BORING
- SHALLOW MONITORING WELL WITH SOIL SAMPLES
- DEEP MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STORM DRAIN WITH FLOW DIRECTION
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

San Francisco Bay

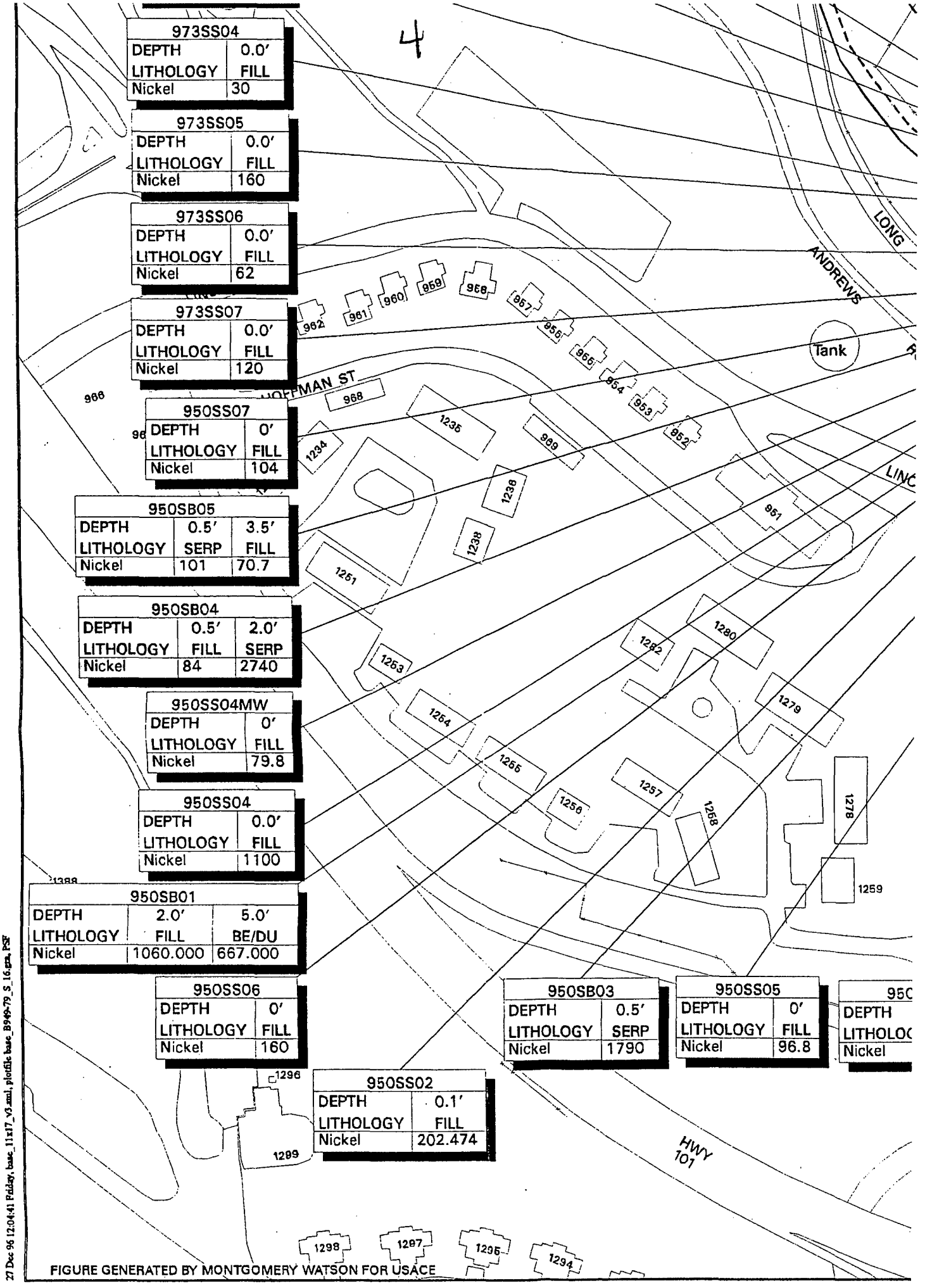
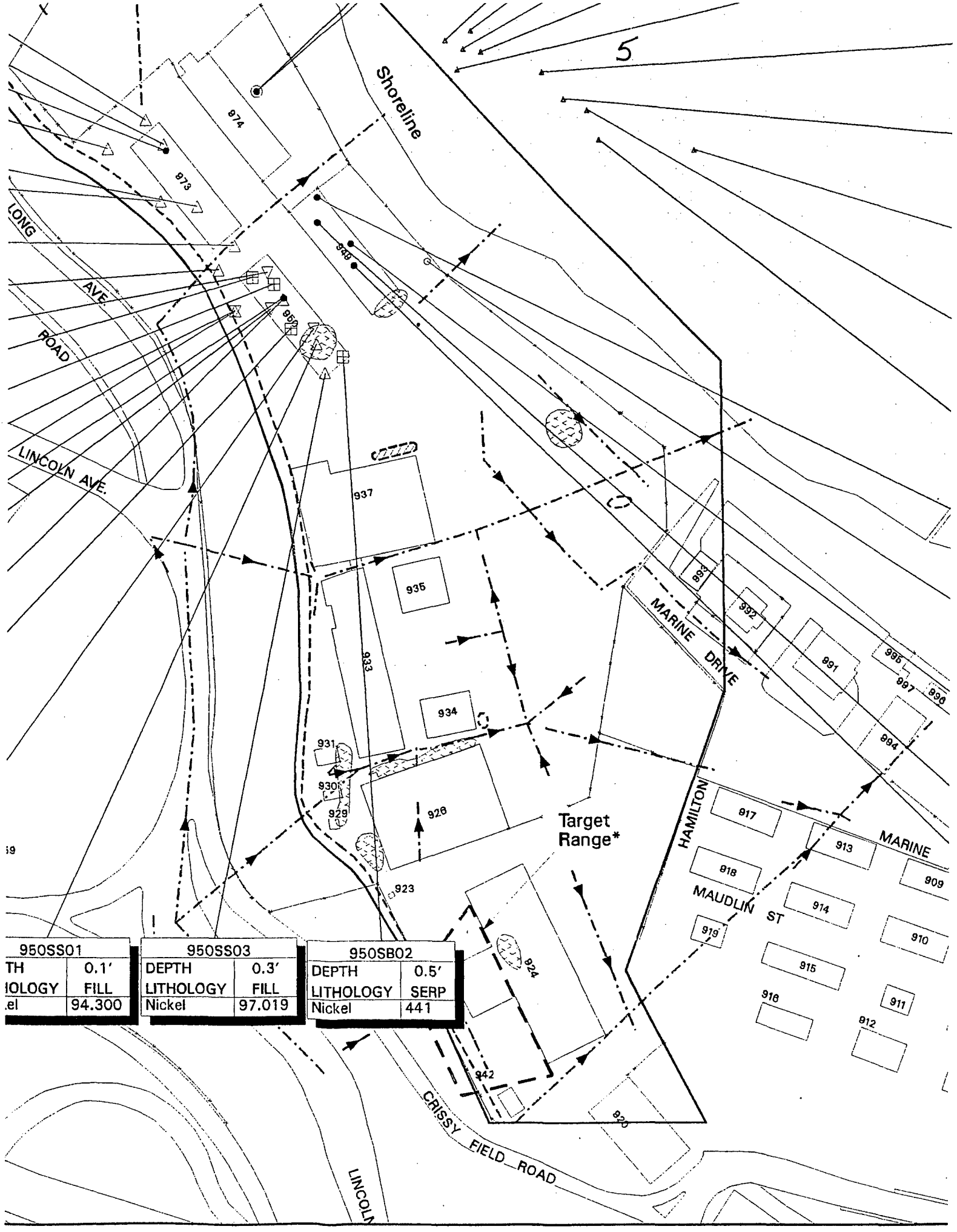
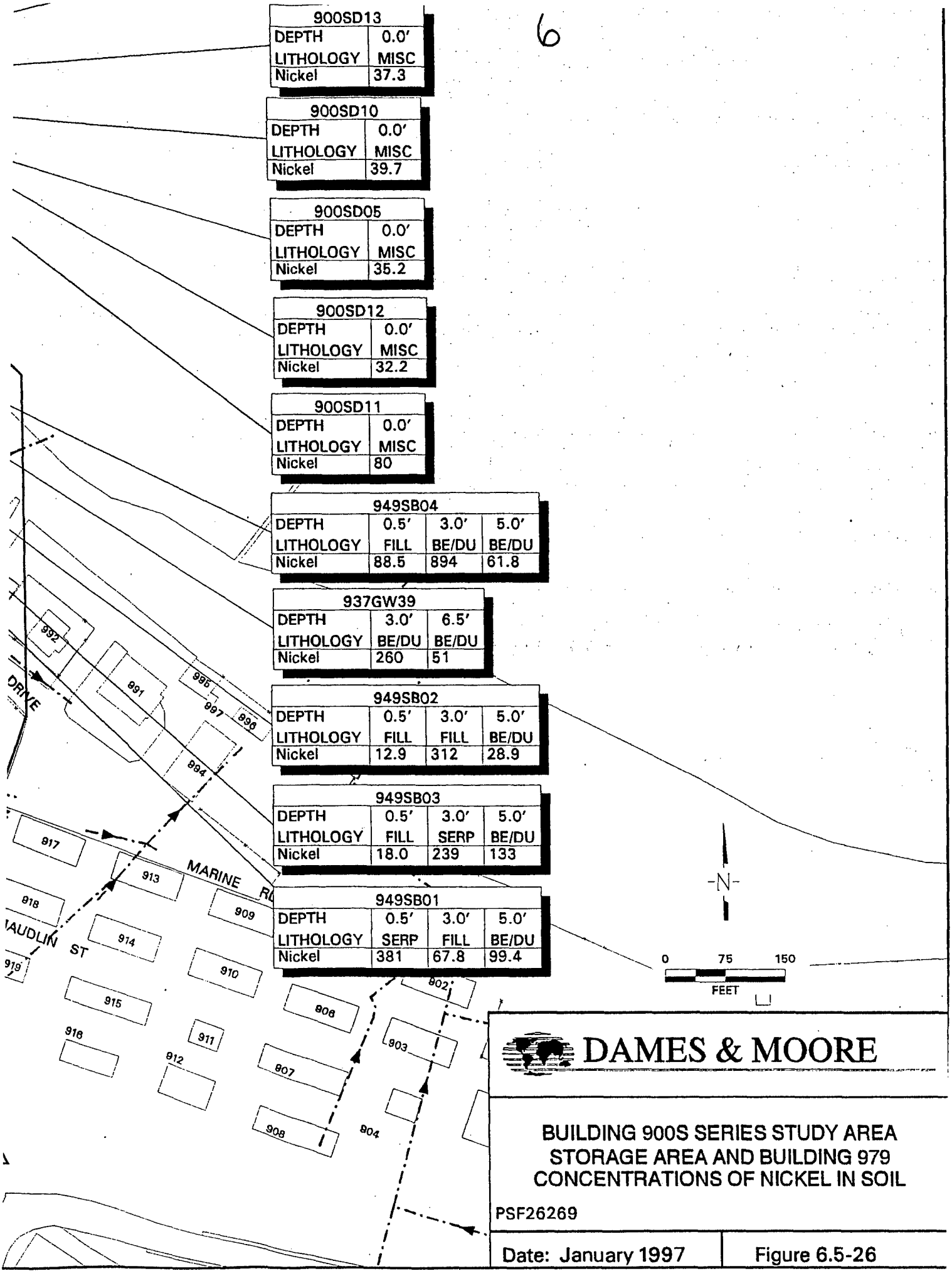


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

27 Dec 96 12:04:41 Pdday, base_11x17_v3.aml, plotfile base_B949-79_S_16.gra, PSF


5
Shoreline
974
973
LONG
AVE.
ROAD
LINCOLN AVE.
952
949
937
935
933
934
931
930
929
928
923
924
942
920
Target
Range*
MARINE DRIVE
HAMILTON
MARINE
MAUDLIN ST
CRISSY FIELD ROAD
LINCOLN
893
992
991
995
997
996
994
917
913
909
918
914
910
919
915
916
911
912
950SS01
TH
IOLOGY
el
0.1'
FILL
94.300
950SS03
DEPTH
LITHOLOGY
Nickel
0.3'
FILL
97.019
950SB02
DEPTH
LITHOLOGY
Nickel
0.5'
SERP
441



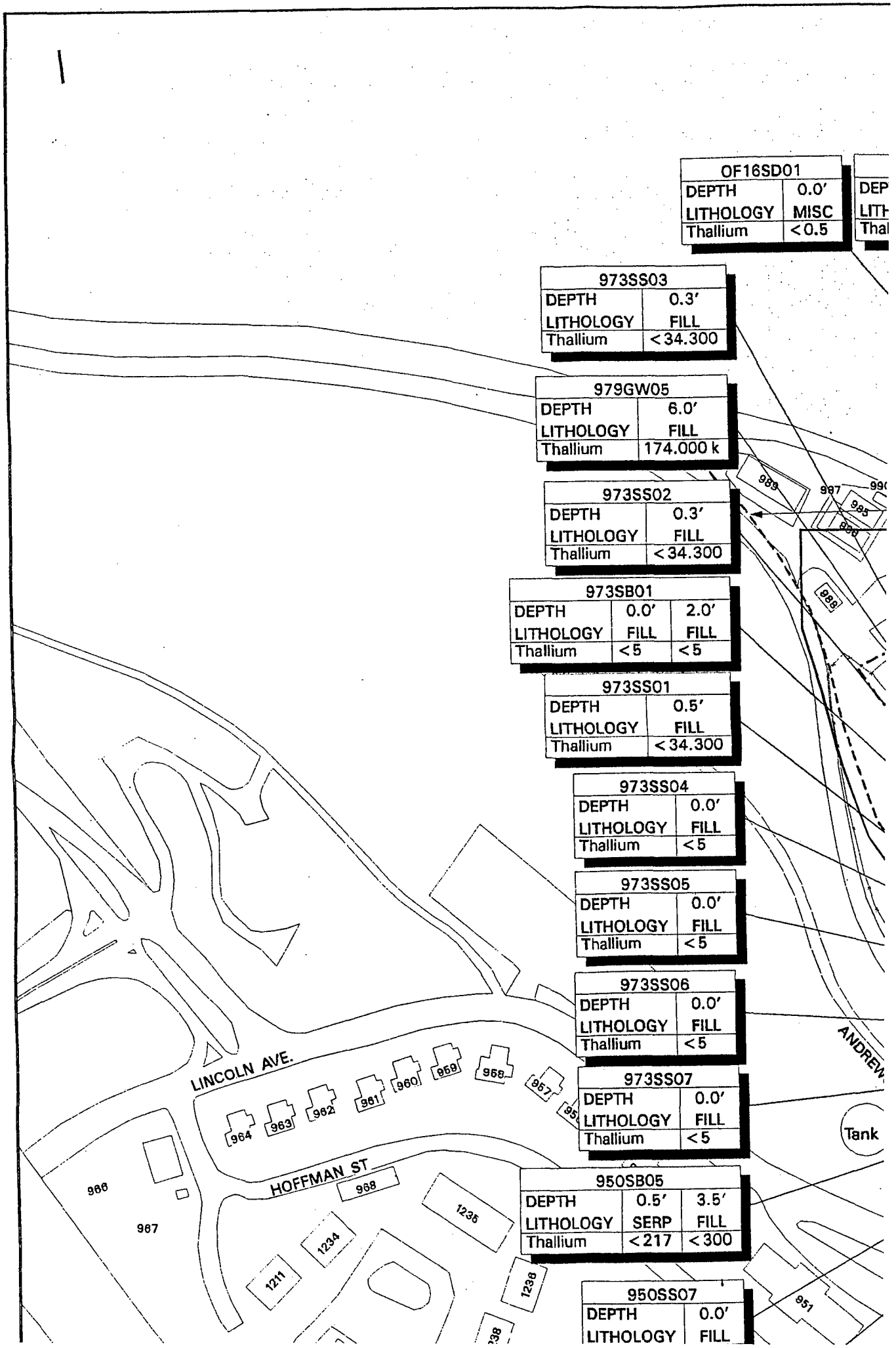
6

DAMES & MOORE

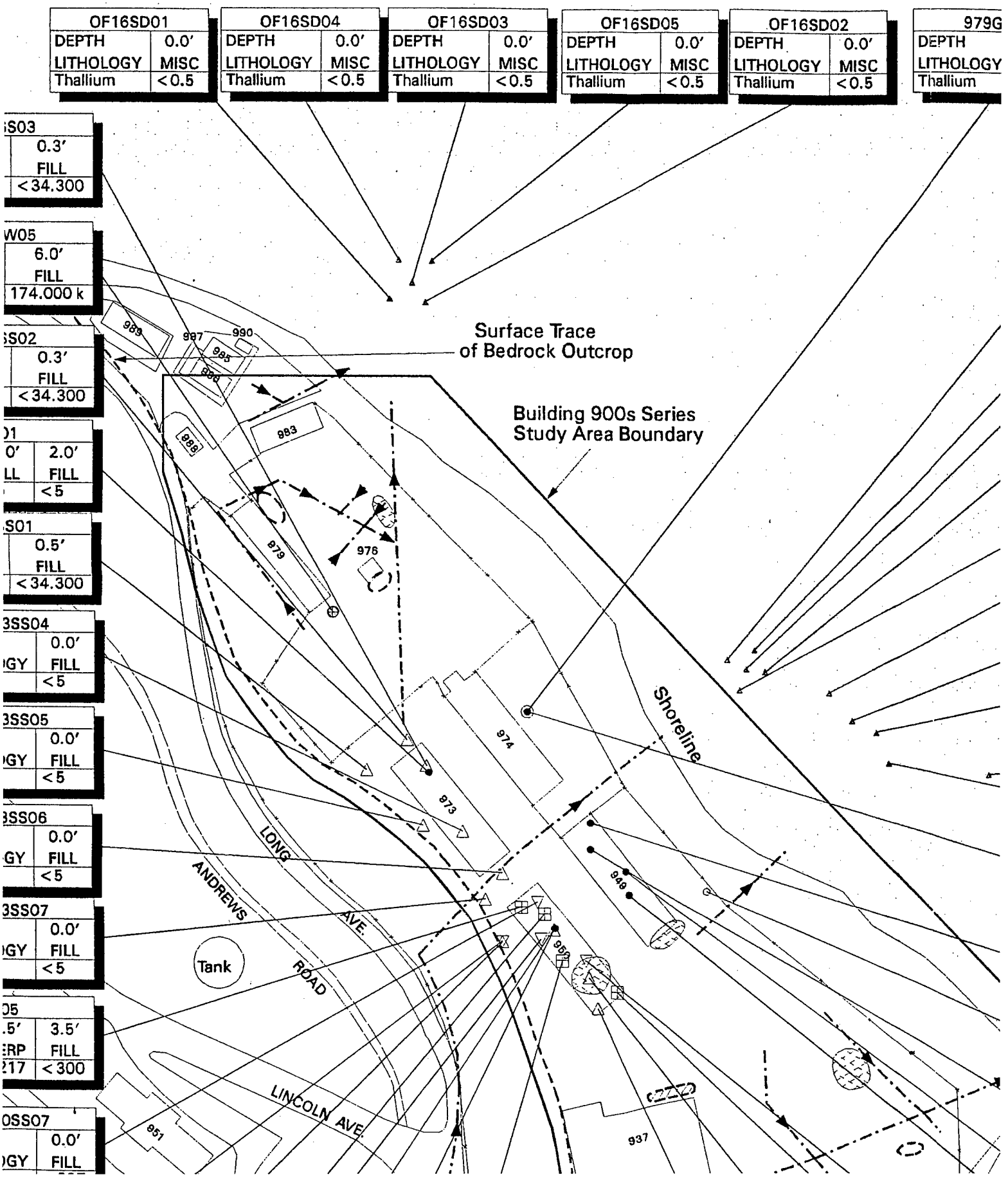
BUILDING 900S SERIES STUDY AREA
STORAGE AREA AND BUILDING 979
CONCENTRATIONS OF NICKEL IN SOIL

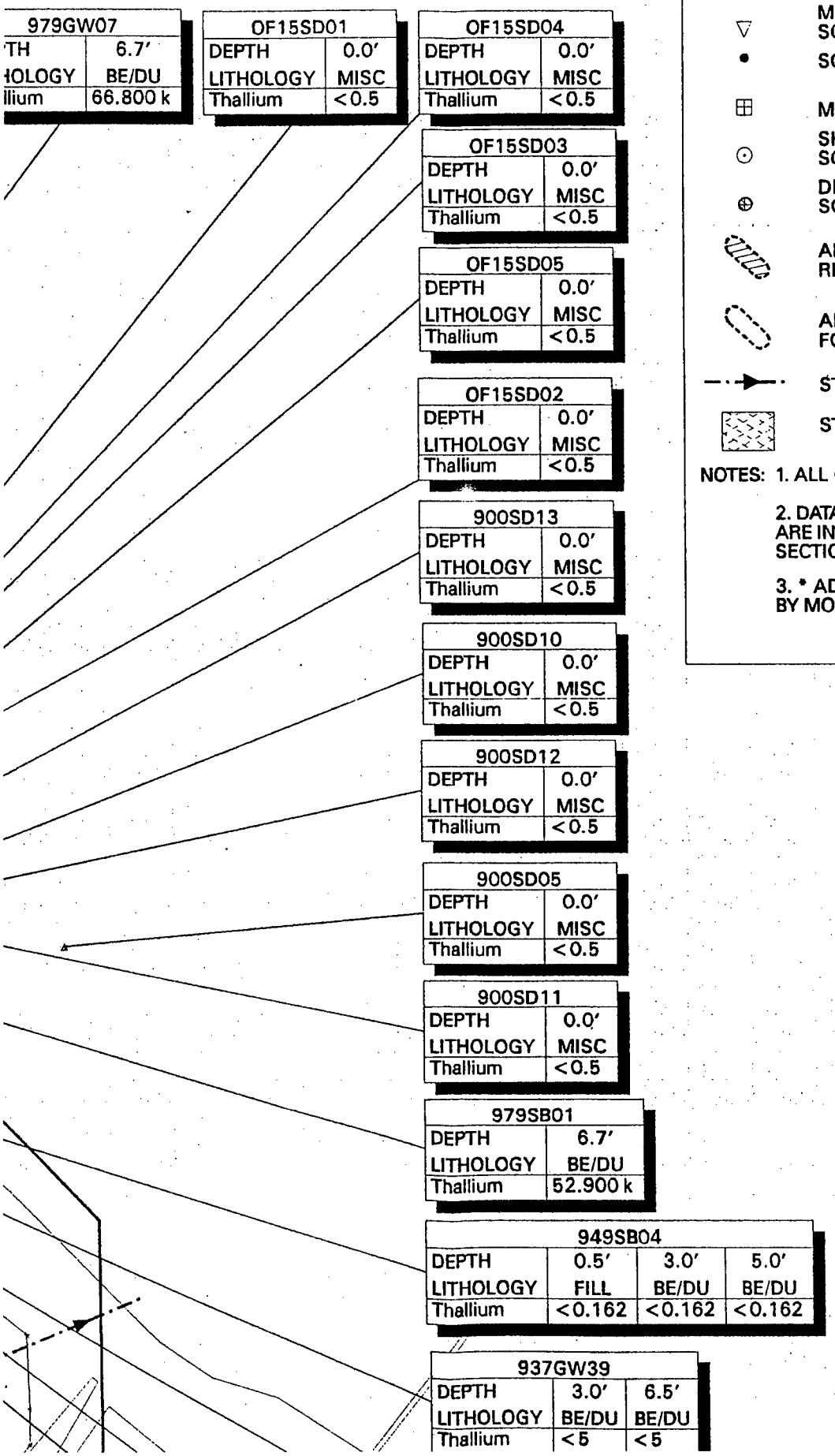
PSF26269

Date: January 1997 | Figure 6.5-26


OF16SD01
DEPTH 0.0′
LITHOLOGY MISC
Thallium <0.5
973SS03
DEPTH 0.3′
LITHOLOGY FILL
Thallium <34.300
979GW05
DEPTH 6.0′
LITHOLOGY FILL
Thallium 174.000 k
973SS02
DEPTH 0.3′
LITHOLOGY FILL
Thallium <34.300
973SB01
DEPTH 0.0′ 2.0′
LITHOLOGY FILL FILL
Thallium <5 <5
973SS01
DEPTH 0.5′
LITHOLOGY FILL
Thallium <34.300
973SS04
DEPTH 0.0′
LITHOLOGY FILL
Thallium <5
973SS05
DEPTH 0.0′
LITHOLOGY FILL
Thallium <5
973SS06
DEPTH 0.0′
LITHOLOGY FILL
Thallium <5
973SS07
DEPTH 0.0′
LITHOLOGY FILL
Thallium <5
950SB05
DEPTH 0.5′ 3.5′
LITHOLOGY SERP FILL
Thallium <217 <300
950SS07
DEPTH 0.0′
LITHOLOGY FILL
LINCOLN AVE.
HOFFMAN ST
ANDREW
Tank
964
963
962
961
960
959
958
957
968
966
967
1234
1211
1235
1238
951
989
987
985
988

2


OF16SD01
DEPTH 0.0′
LITHOLOGY MISC
Thallium <0.5
OF16SD04
DEPTH 0.0′
LITHOLOGY MISC
Thallium <0.5
OF16SD03
DEPTH 0.0′
LITHOLOGY MISC
Thallium <0.5
OF16SD05
DEPTH 0.0′
LITHOLOGY MISC
Thallium <0.5
OF16SD02
DEPTH 0.0′
LITHOLOGY MISC
Thallium <0.5
979G
DEPTH
LITHOLOGY
Thallium
S03
0.3′
FILL
<34.300
W05
6.0′
FILL
174.000 k
S02
0.3′
FILL
<34.300
01
0′ 2.0′
LL FILL
<5
S01
0.5′
FILL
<34.300
3SS04
0.0′
GY FILL
<5
3SS05
0.0′
GY FILL
<5
3SS06
0.0′
GY FILL
<5
3SS07
0.0′
GY FILL
<5
05
.5′ 3.5′
ERP FILL
217 <300
0SS07
0.0′
GY FILL
Surface Trace
of Bedrock Outcrop
Building 900s Series
Study Area Boundary
Shoreline
LONG
ANDREWS
AVE.
ROAD
Tank
LINCOLN AVE.
989
987
990
985
986
988
983
979
976
974
973
949
950
951
937



979GW07	
TH	6.7′
HOLOGY	BE/DU
llium	66.800 k

OF15SD01	
DEPTH	0.0′
LITHOLOGY	MISC
Thallium	<0.5

OF15SD04	
DEPTH	0.0′
LITHOLOGY	MISC
Thallium	<0.5

OF15SD03	
DEPTH	0.0′
LITHOLOGY	MISC
Thallium	<0.5

OF15SD05	
DEPTH	0.0′
LITHOLOGY	MISC
Thallium	<0.5

OF15SD02	
DEPTH	0.0′
LITHOLOGY	MISC
Thallium	<0.5

900SD13	
DEPTH	0.0′
LITHOLOGY	MISC
Thallium	<0.5

900SD10	
DEPTH	0.0′
LITHOLOGY	MISC
Thallium	<0.5

900SD12	
DEPTH	0.0′
LITHOLOGY	MISC
Thallium	<0.5

900SD05	
DEPTH	0.0′
LITHOLOGY	MISC
Thallium	<0.5

900SD11	
DEPTH	0.0′
LITHOLOGY	MISC
Thallium	<0.5

979SB01	
DEPTH	6.7′
LITHOLOGY	BE/DU
Thallium	52.900 k

949SB04			
DEPTH	0.5′	3.0′	5.0′
LITHOLOGY	FILL	BE/DU	BE/DU
Thallium	<0.162	<0.162	<0.162

937GW39		
DEPTH	3.0′	6.5′
LITHOLOGY	BE/DU	BE/DU
Thallium	<5	<5

EXPLANATION

- ESAP SEDIMENT SAMPLE
- SURFACE SOIL SAMPLE
- MONTGOMERY WATSON SURFACE SOIL SAMPLE
- SOIL BORING
- MONTGOMERY WATSON SOIL BORING
- SHALLOW MONITORING WELL WITH SOIL SAMPLES
- DEEP MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STORM DRAIN WITH FLOW DIRECTION
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

San Francisco Bay

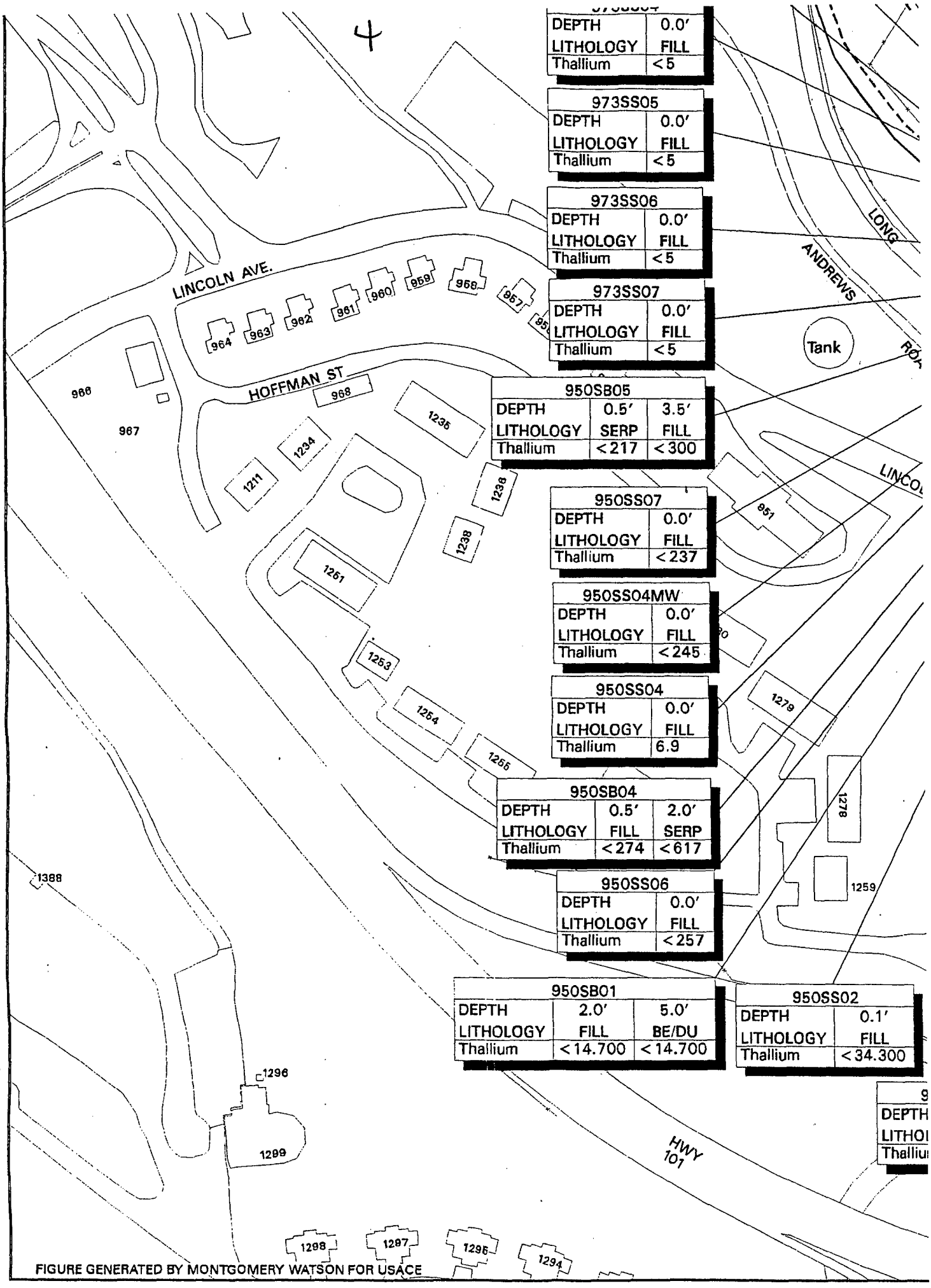


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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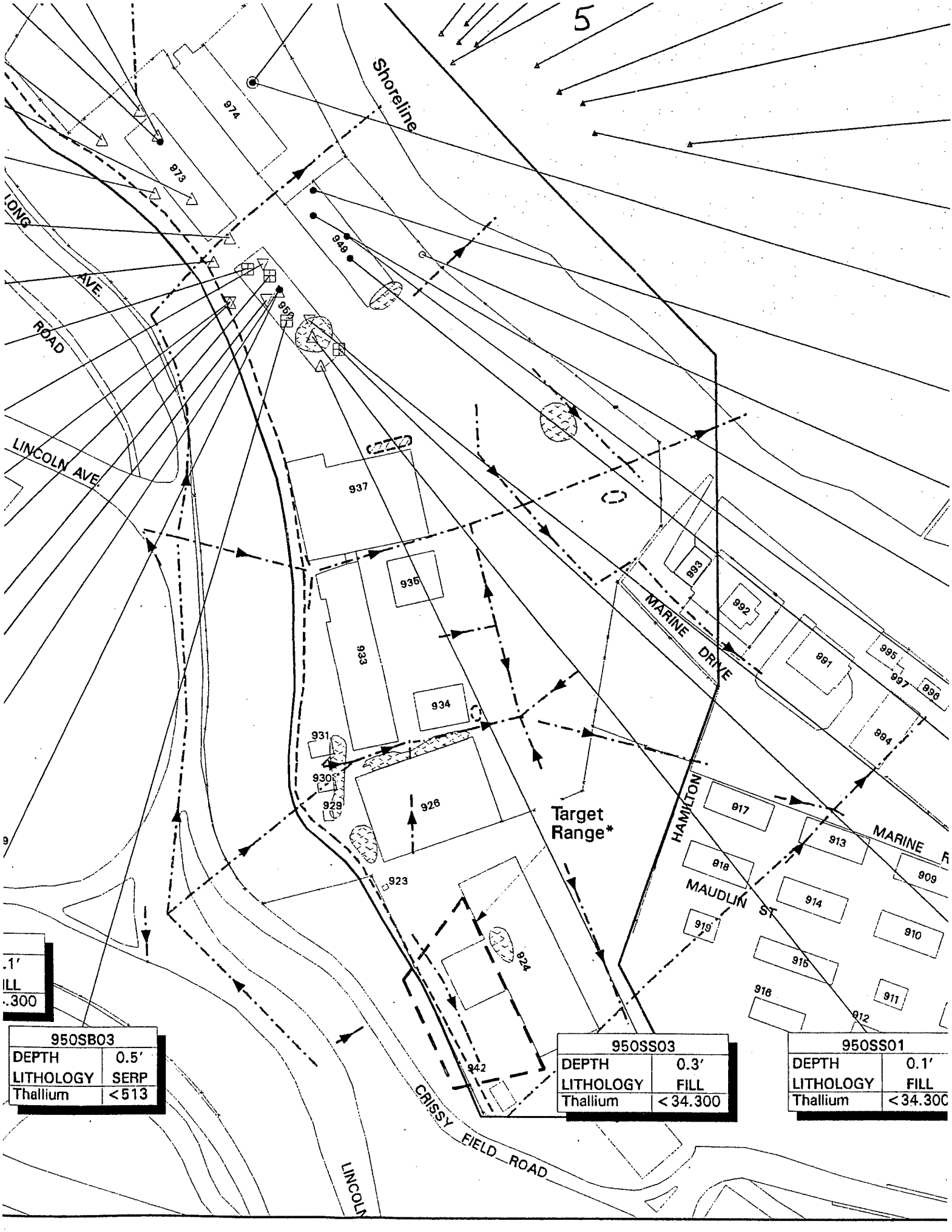
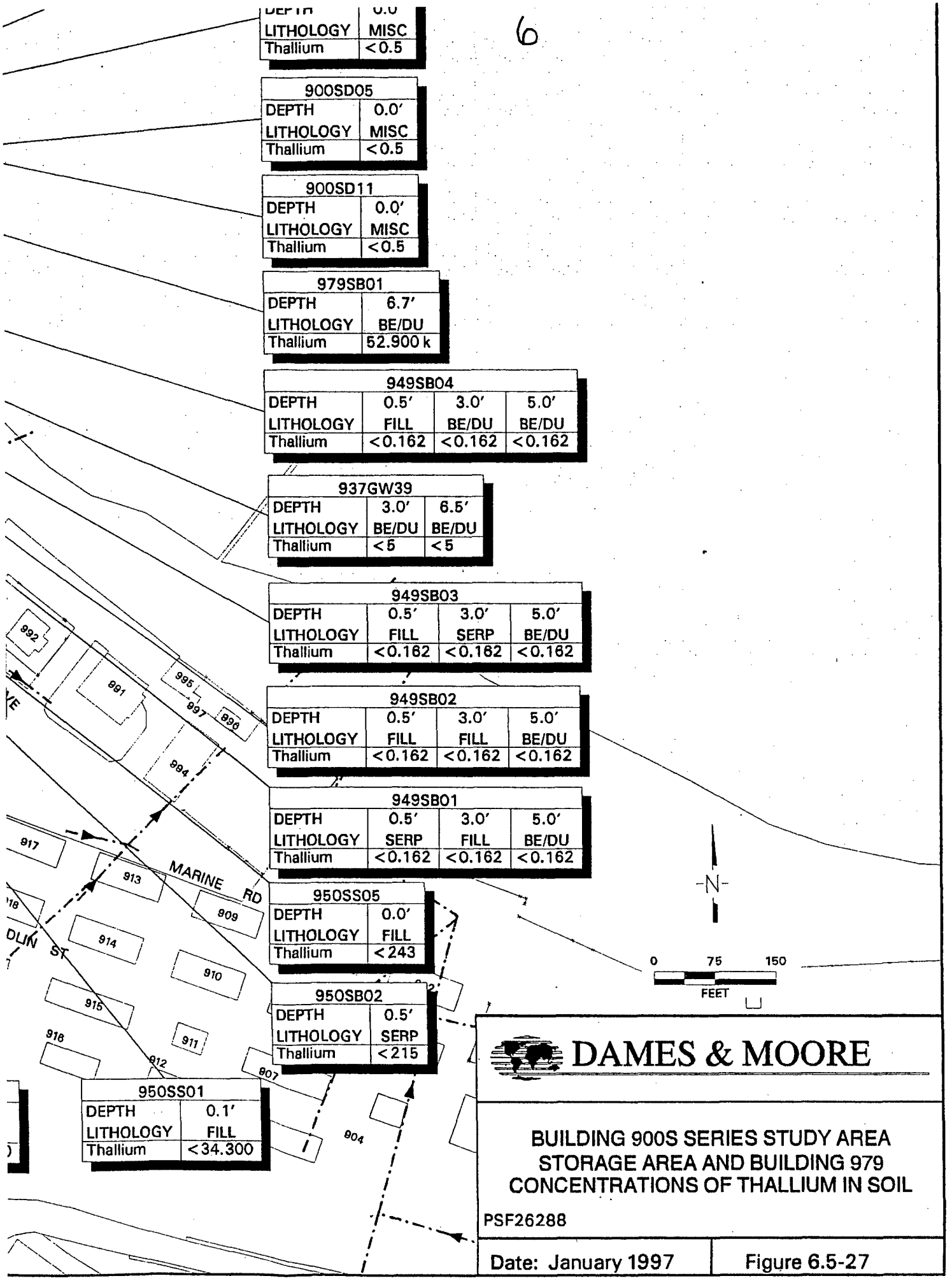

5
Shoreline
974
973
949
950
937
936
933
934
931
930
929
926
923
924
942
Target Range*
LONG AVE.
ROAD
LINCOLN AVE.
MARINE DRIVE
HAMILTON
MAUDLIN ST
CRISSY FIELD ROAD
993
992
991
995
997
998
984
917
913
918
914
919
915
916
911
912
909
910
950SB03
DEPTH 0.5′
LITHOLOGY SERP
Thallium <513
950SS03
DEPTH 0.3′
LITHOLOGY FILL
Thallium < 34.300
950SS01
DEPTH 0.1′
LITHOLOGY FILL
Thallium < 34.300

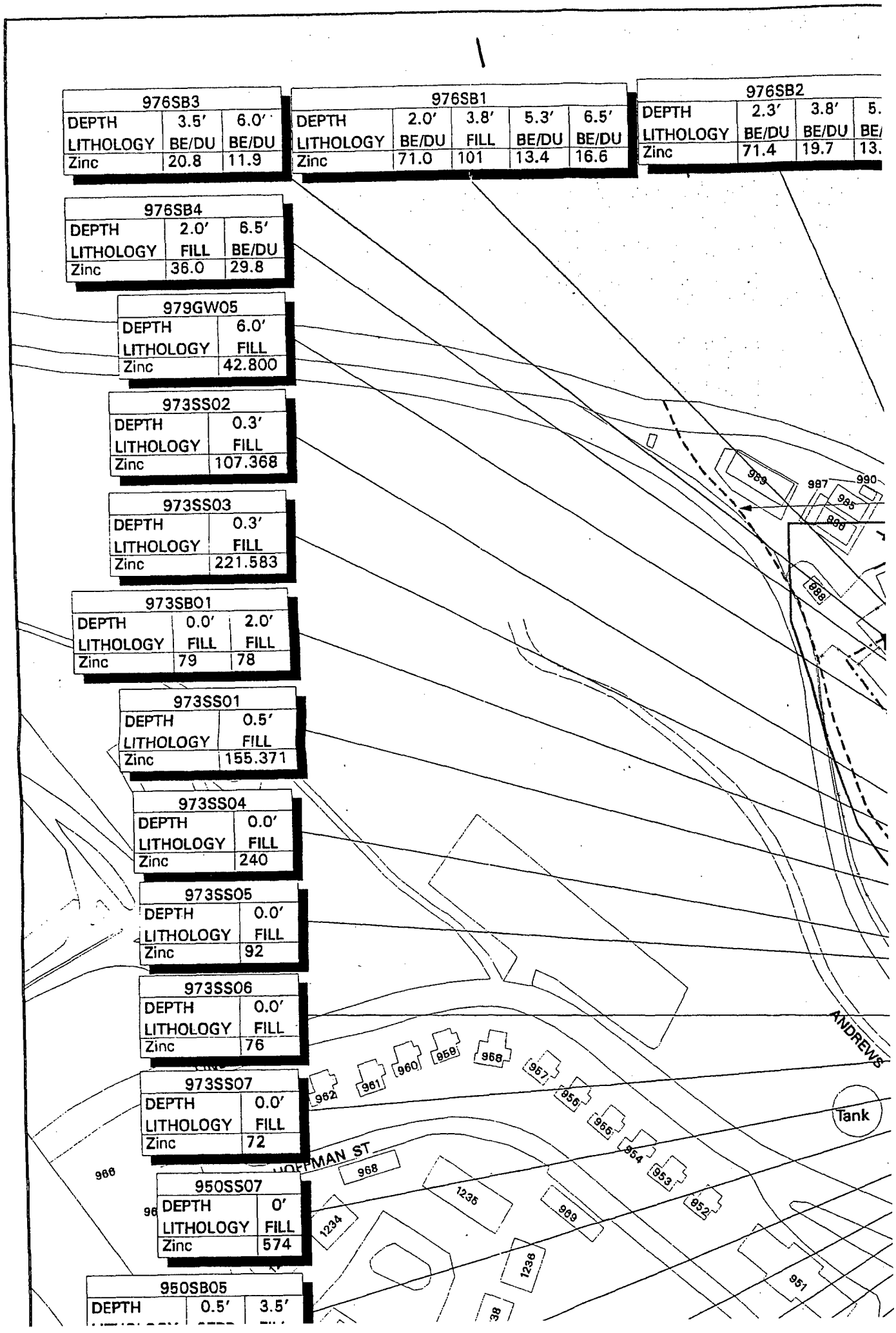


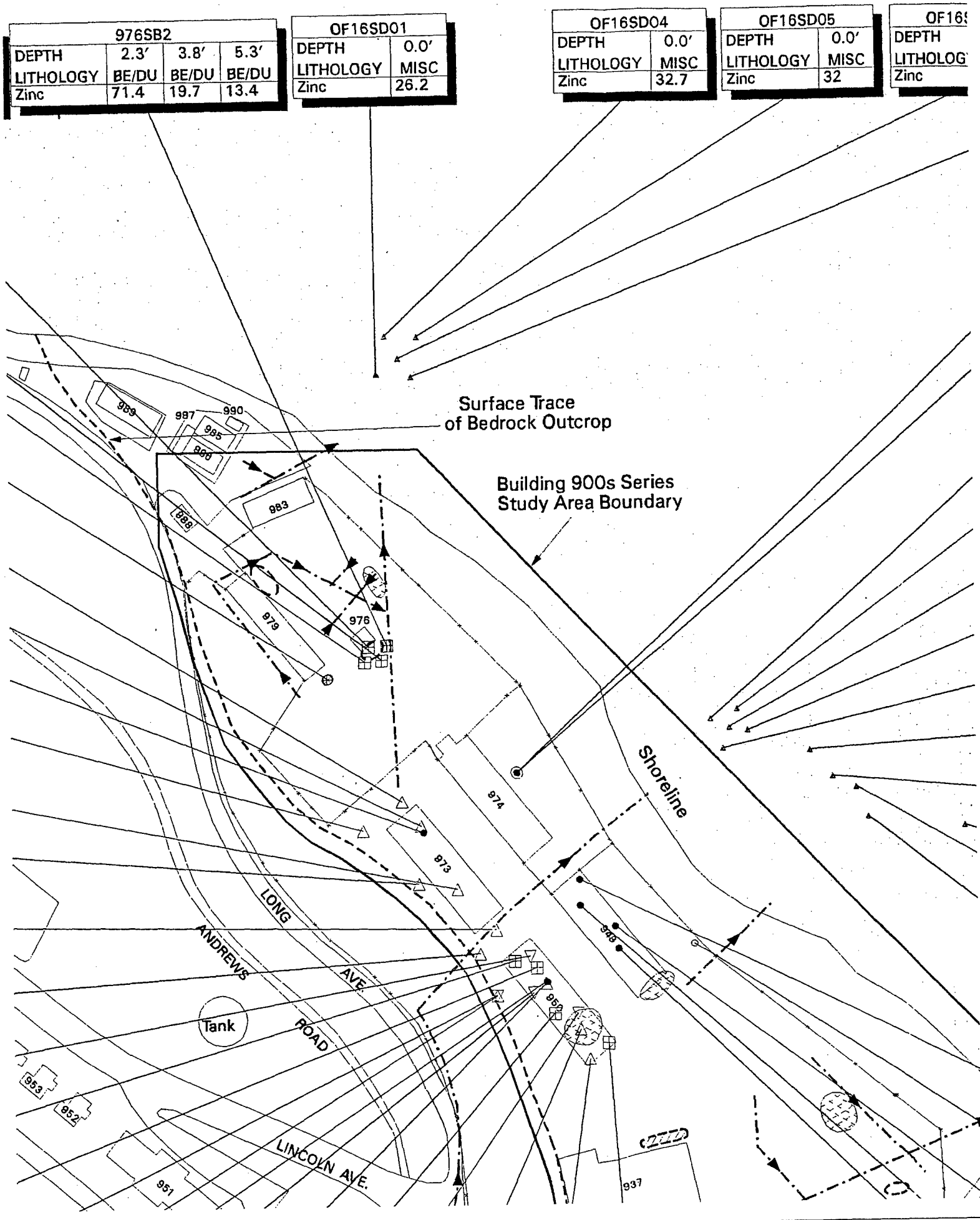
DAMES & MOORE

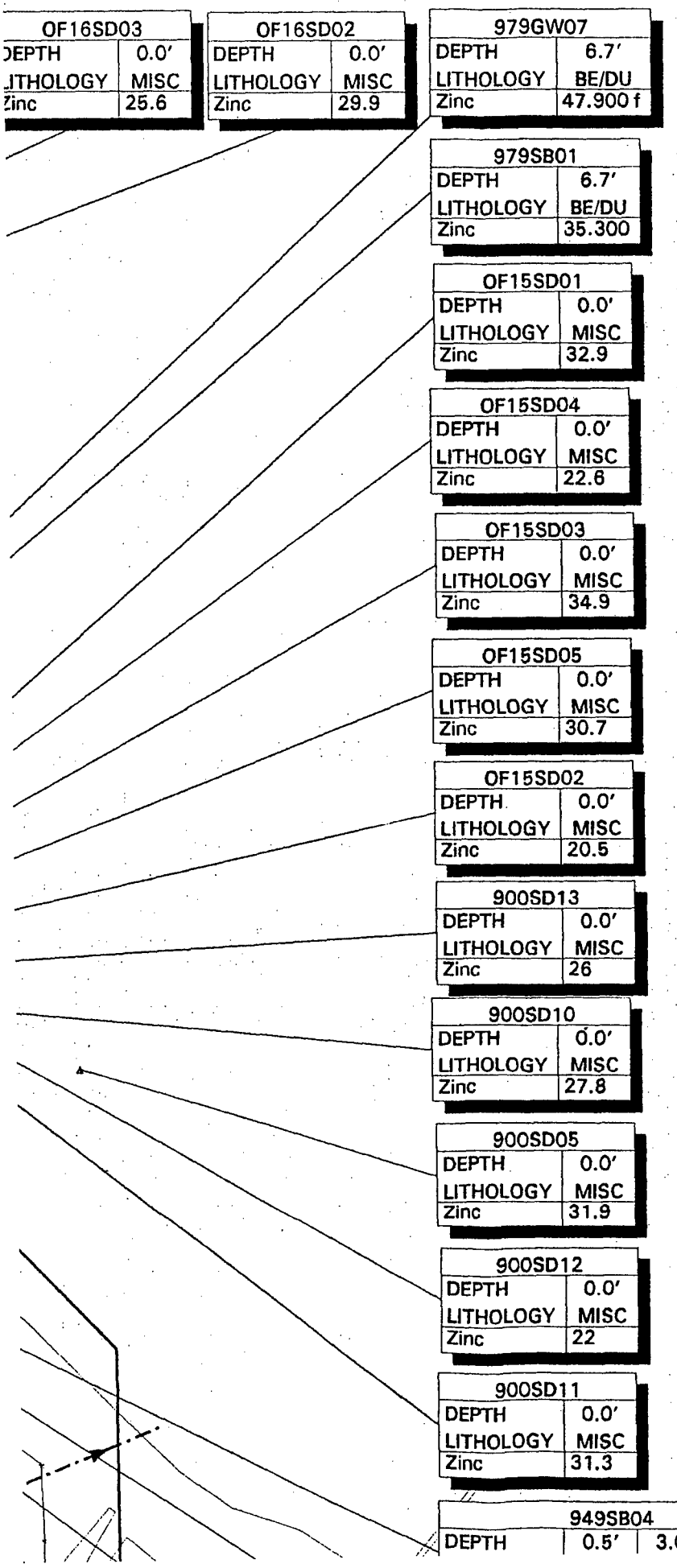
BUILDING 900S SERIES STUDY AREA
STORAGE AREA AND BUILDING 979
CONCENTRATIONS OF THALLIUM IN SOIL

PSF26288

Date: January 1997 | Figure 6.5-27


976SB3
DEPTH 3.5′ 6.0′
LITHOLOGY BE/DU BE/DU
Zinc 20.8 11.9
976SB1
DEPTH 2.0′ 3.8′ 5.3′ 6.5′
LITHOLOGY BE/DU FILL BE/DU BE/DU
Zinc 71.0 101 13.4 16.6
976SB2
DEPTH 2.3′ 3.8′ 5.
LITHOLOGY BE/DU BE/DU BE/
Zinc 71.4 19.7 13.
976SB4
DEPTH 2.0′ 6.5′
LITHOLOGY FILL BE/DU
Zinc 36.0 29.8
979GW05
DEPTH 6.0′
LITHOLOGY FILL
Zinc 42.800
973SS02
DEPTH 0.3′
LITHOLOGY FILL
Zinc 107.368
973SS03
DEPTH 0.3′
LITHOLOGY FILL
Zinc 221.583
973SB01
DEPTH 0.0′ 2.0′
LITHOLOGY FILL FILL
Zinc 79 78
973SS01
DEPTH 0.5′
LITHOLOGY FILL
Zinc 155.371
973SS04
DEPTH 0.0′
LITHOLOGY FILL
Zinc 240
973SS05
DEPTH 0.0′
LITHOLOGY FILL
Zinc 92
973SS06
DEPTH 0.0′
LITHOLOGY FILL
Zinc 76
973SS07
DEPTH 0.0′
LITHOLOGY FILL
Zinc 72
950SS07
DEPTH 0′
LITHOLOGY FILL
Zinc 574
950SB05
DEPTH 0.5′ 3.5′
989
987
990
985
986
988
962
961
960
959
958
957
956
955
954
953
952
951
968
966
1235
1234
1236
969
ANDREWS
Tank


976SB2
DEPTH | 2.3′ | 3.8′ | 5.3′
LITHOLOGY | BE/DU | BE/DU | BE/DU
Zinc | 71.4 | 19.7 | 13.4
OF16SD01
DEPTH | 0.0′
LITHOLOGY | MISC
Zinc | 26.2
OF16SD04
DEPTH | 0.0′
LITHOLOGY | MISC
Zinc | 32.7
OF16SD05
DEPTH | 0.0′
LITHOLOGY | MISC
Zinc | 32
OF16
DEPTH
LITHOLOG
Zinc
Surface Trace of Bedrock Outcrop
Building 900s Series Study Area Boundary
Shoreline
LONG ANDREWS AVE.
ROAD
LINCOLN AVE.
Tank
989
987
990
985
986
983
988
979
976
974
973
948
952
953
951
937



EXPLANATION

- ESAP SEDIMENT SAMPLE
- SURFACE SOIL SAMPLE
- MONTGOMERY WATSON SURFACE SOIL SAMPLE
- SOIL BORING
- MONTGOMERY WATSON SOIL BORING
- SHALLOW MONITORING WELL WITH SOIL SAMPLES
- DEEP MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STORM DRAIN WITH FLOW DIRECTION
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/g.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

San Francisco Bay

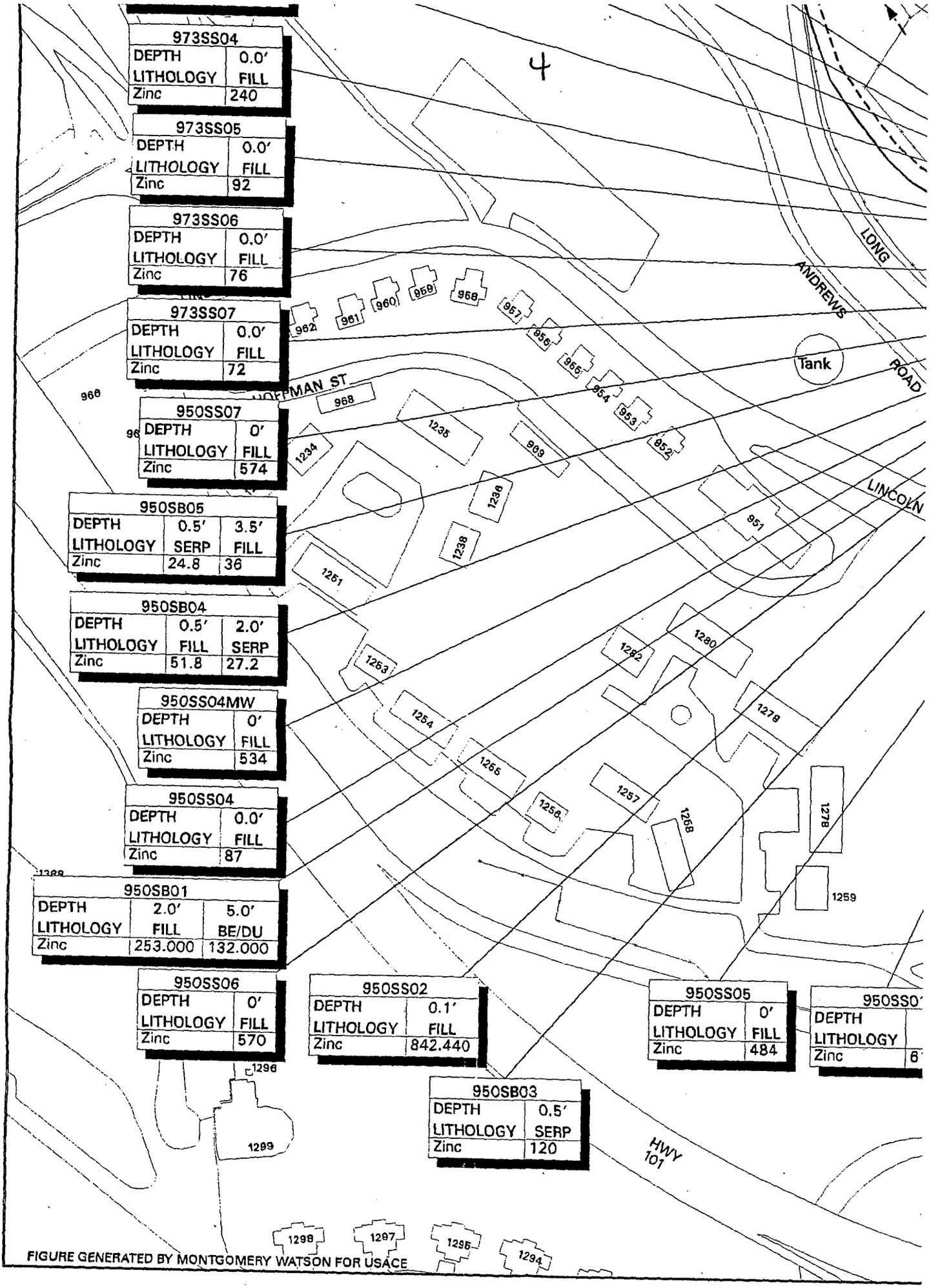


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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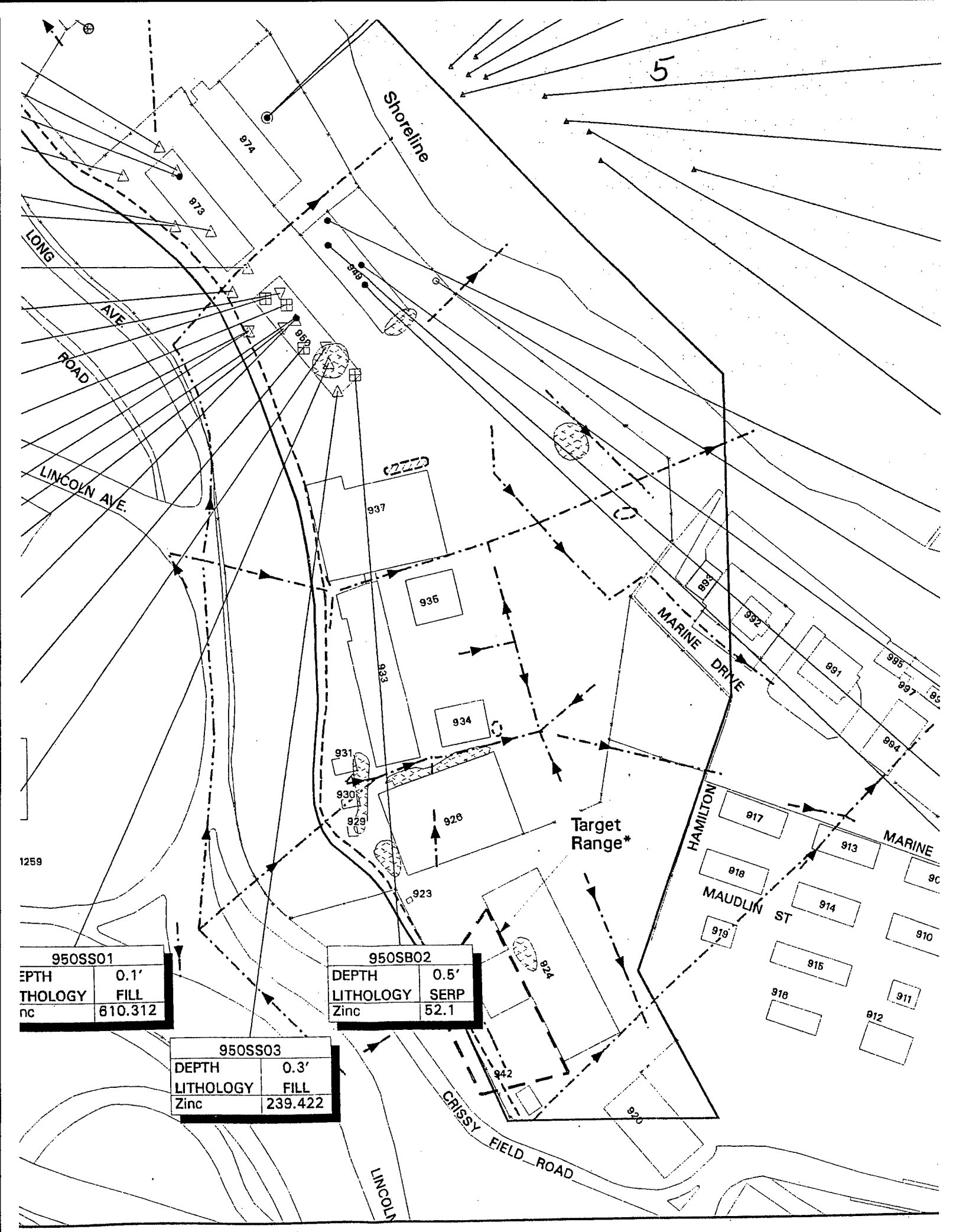
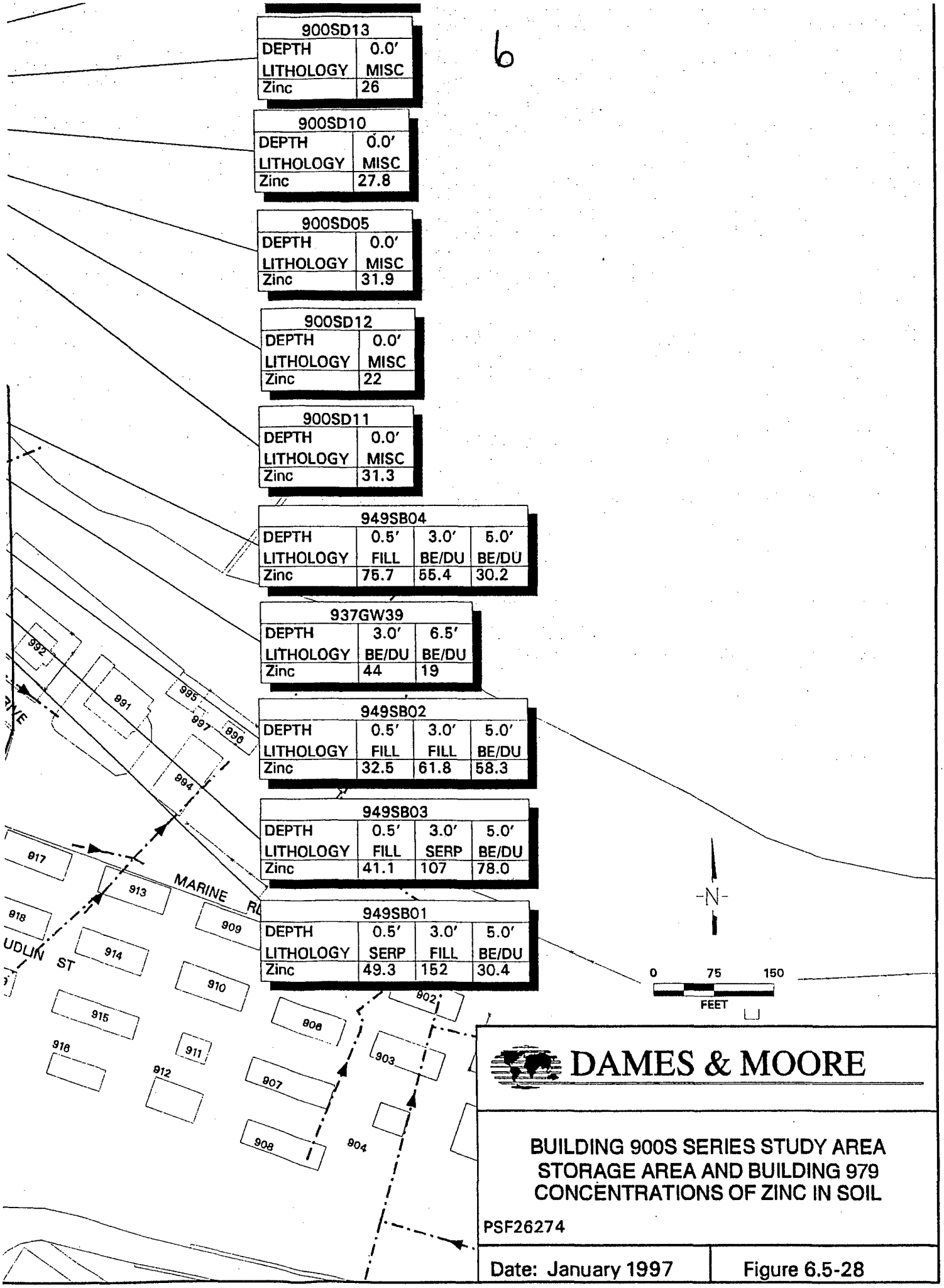

5
Shoreline
LONG
AVE.
ROAD
LINCOLN AVE.
MARINE DRIVE
HAMILTON
MARINE
MAUDLIN ST
Target Range*
CRISSY FIELD ROAD
LINCOLN
974
973
968
952
937
935
933
934
931
930
929
926
923
924
942
920
992
991
995
997
994
917
913
918
914
919
915
916
911
912
910
1259
950SS01
DEPTH 0.1'
LITHOLOGY FILL
Zinc 610.312
950SB02
DEPTH 0.5'
LITHOLOGY SERP
Zinc 52.1
950SS03
DEPTH 0.3'
LITHOLOGY FILL
Zinc 239.422



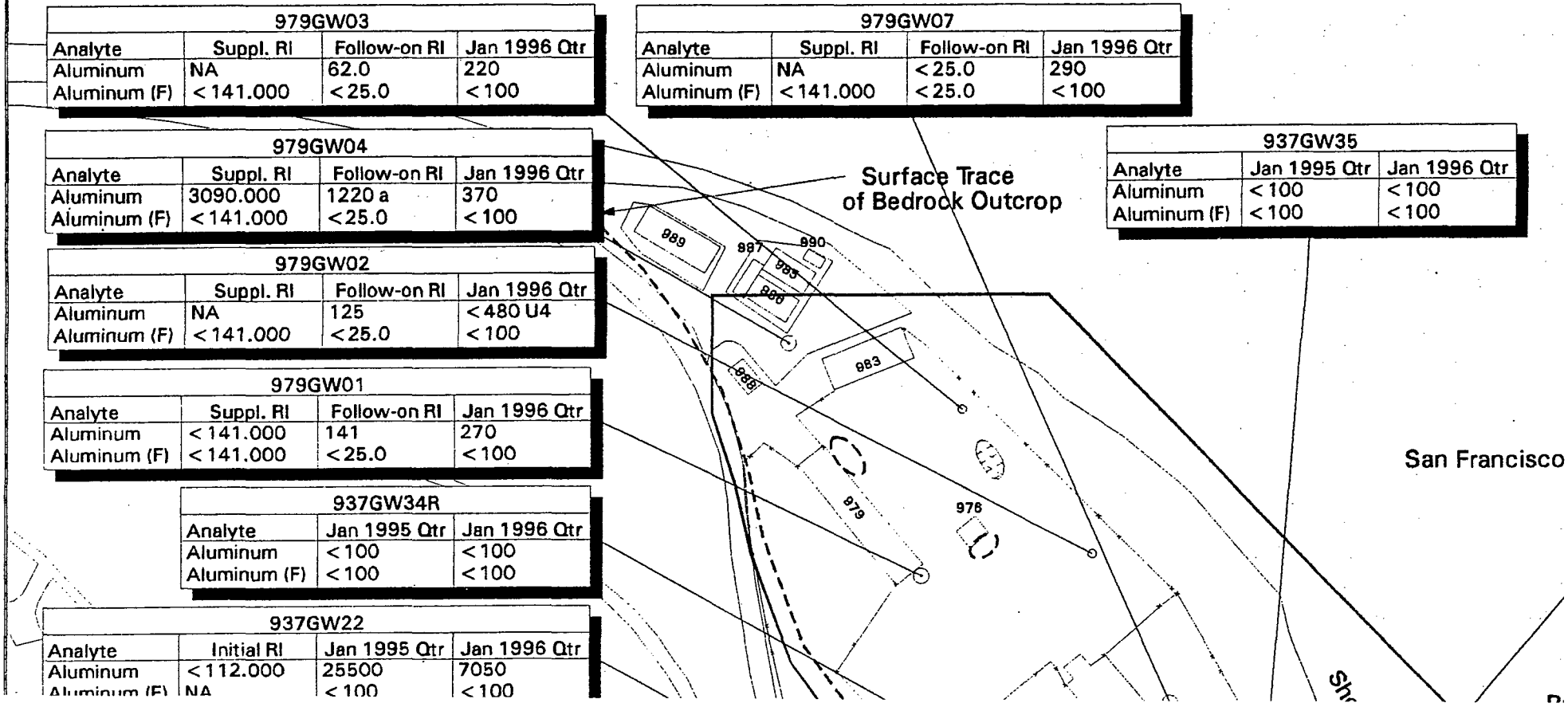
6

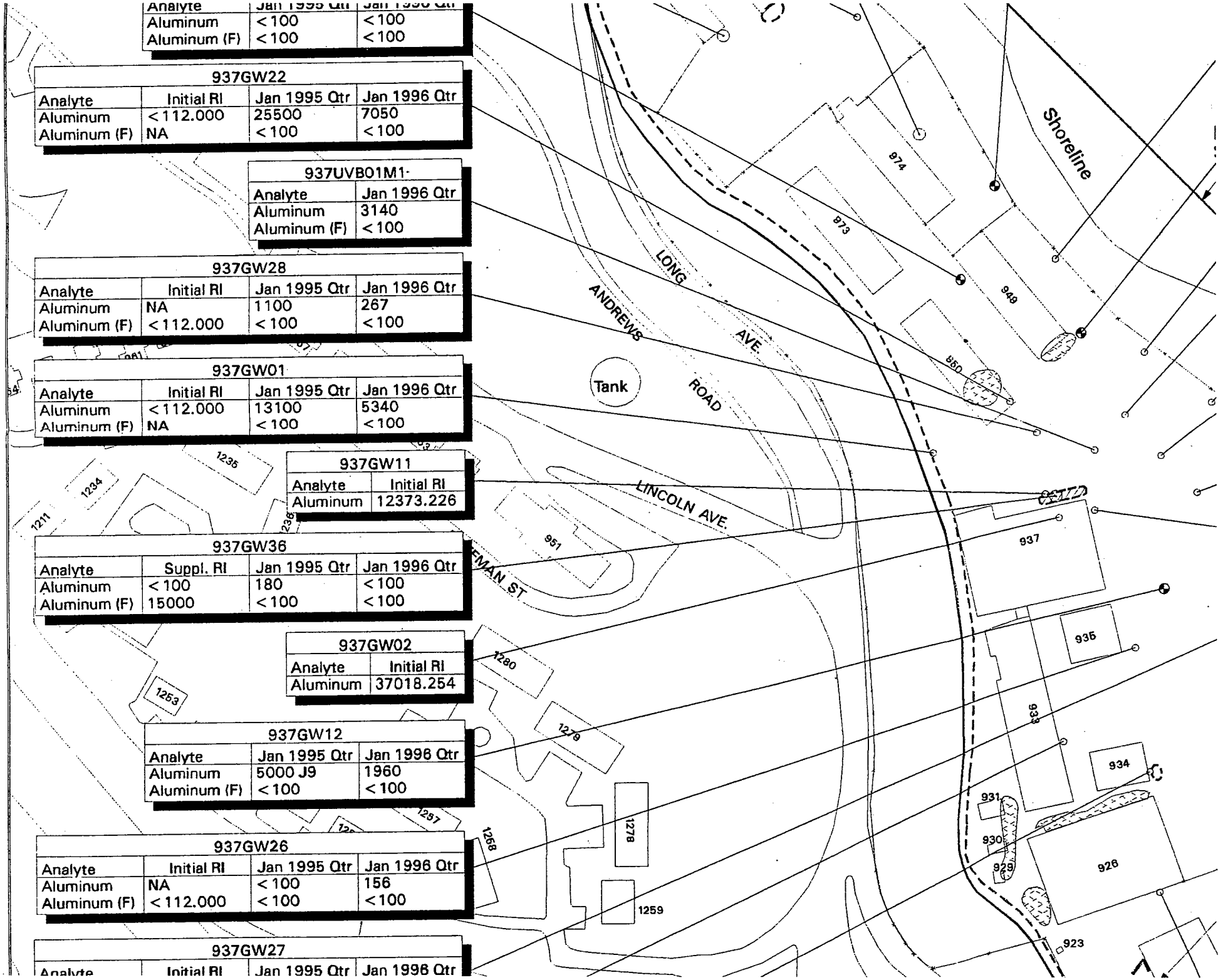
DAMES & MOORE

BUILDING 900S SERIES STUDY AREA
STORAGE AREA AND BUILDING 979
CONCENTRATIONS OF ZINC IN SOIL

PSF26274

Date: January 1997 | Figure 6.5-28


979GW03
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Aluminum | NA | 62.0 | 220
Aluminum (F) | < 141.000 | < 25.0 | < 100
979GW07
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Aluminum | NA | < 25.0 | 290
Aluminum (F) | < 141.000 | < 25.0 | < 100
937GW35
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Aluminum | < 100 | < 100
Aluminum (F) | < 100 | < 100
979GW04
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Aluminum | 3090.000 | 1220 a | 370
Aluminum (F) | < 141.000 | < 25.0 | < 100
Surface Trace of Bedrock Outcrop
979GW02
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Aluminum | NA | 125 | < 480 U4
Aluminum (F) | < 141.000 | < 25.0 | < 100
979GW01
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Aluminum | < 141.000 | 141 | 270
Aluminum (F) | < 141.000 | < 25.0 | < 100
937GW34R
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Aluminum | < 100 | < 100
Aluminum (F) | < 100 | < 100
937GW22
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Aluminum | < 112.000 | 25500 | 7050
Aluminum (F) | NA | < 100 | < 100
989
987
990
985
986
983
988
979
976
San Francisco


Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Aluminum | <100 | <100
Aluminum (F) | <100 | <100
937GW22
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Aluminum | <112.000 | 25500 | 7050
Aluminum (F) | NA | <100 | <100
937UVB01M1-
Analyte | Jan 1996 Qtr
Aluminum | 3140
Aluminum (F) | <100
937GW28
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Aluminum | NA | 1100 | 267
Aluminum (F) | <112.000 | <100 | <100
937GW01
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Aluminum | <112.000 | 13100 | 5340
Aluminum (F) | NA | <100 | <100
937GW11
Analyte | Initial RI
Aluminum | 12373.226
937GW36
Analyte | Suppl. RI | Jan 1995 Qtr | Jan 1996 Qtr
Aluminum | <100 | 180 | <100
Aluminum (F) | 15000 | <100 | <100
937GW02
Analyte | Initial RI
Aluminum | 37018.254
937GW12
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Aluminum | 5000 J9 | 1960
Aluminum (F) | <100 | <100
937GW26
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Aluminum | NA | <100 | 156
Aluminum (F) | <112.000 | <100 | <100
937GW27
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Shoreline
LONG
ANDREWS
AVE.
ROAD
Tank
LINCOLN AVE.
974
973
949
960
951
937
935
933
934
931
930
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926
923
1235
1234
1211
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1280
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1278
1259
1268
1237

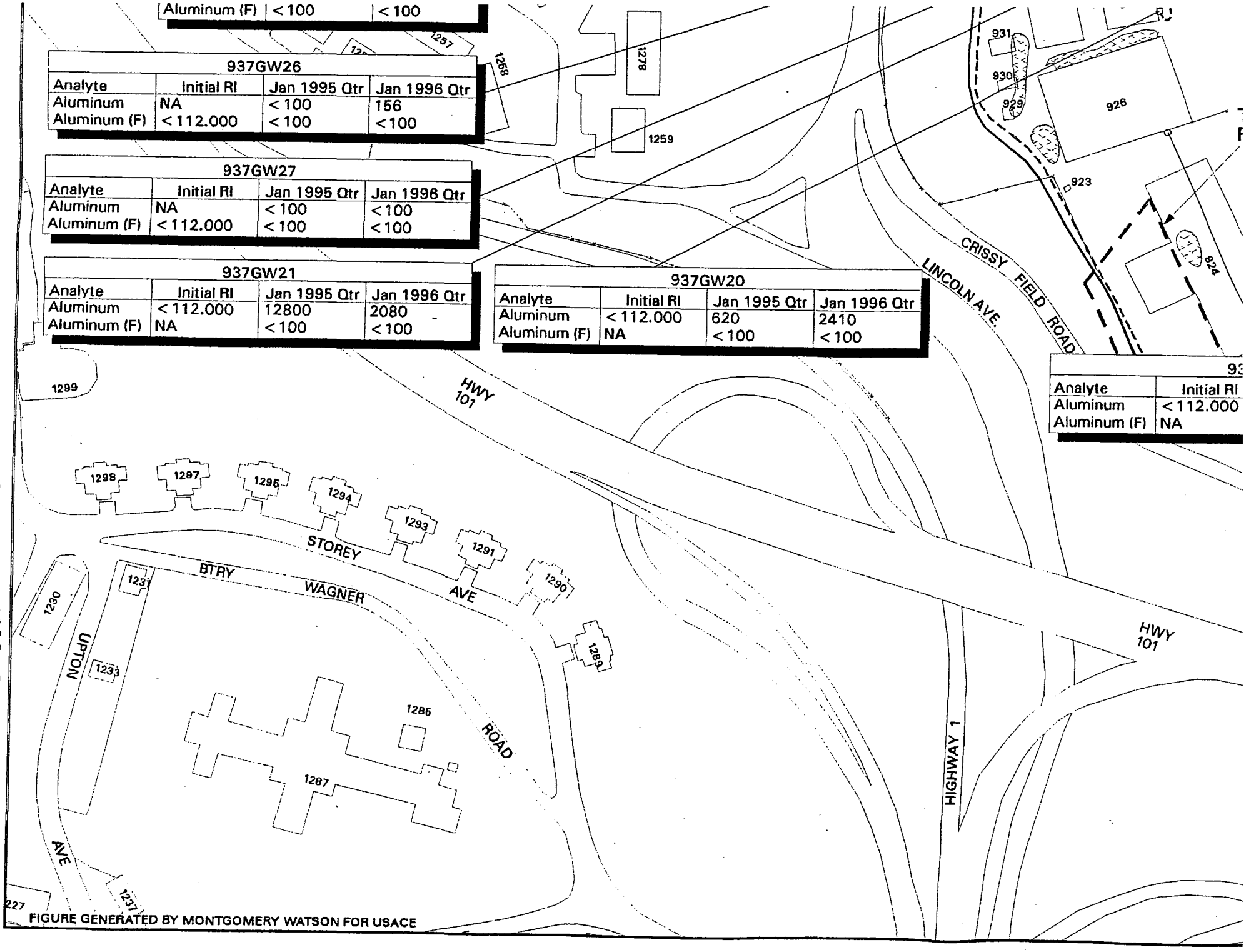

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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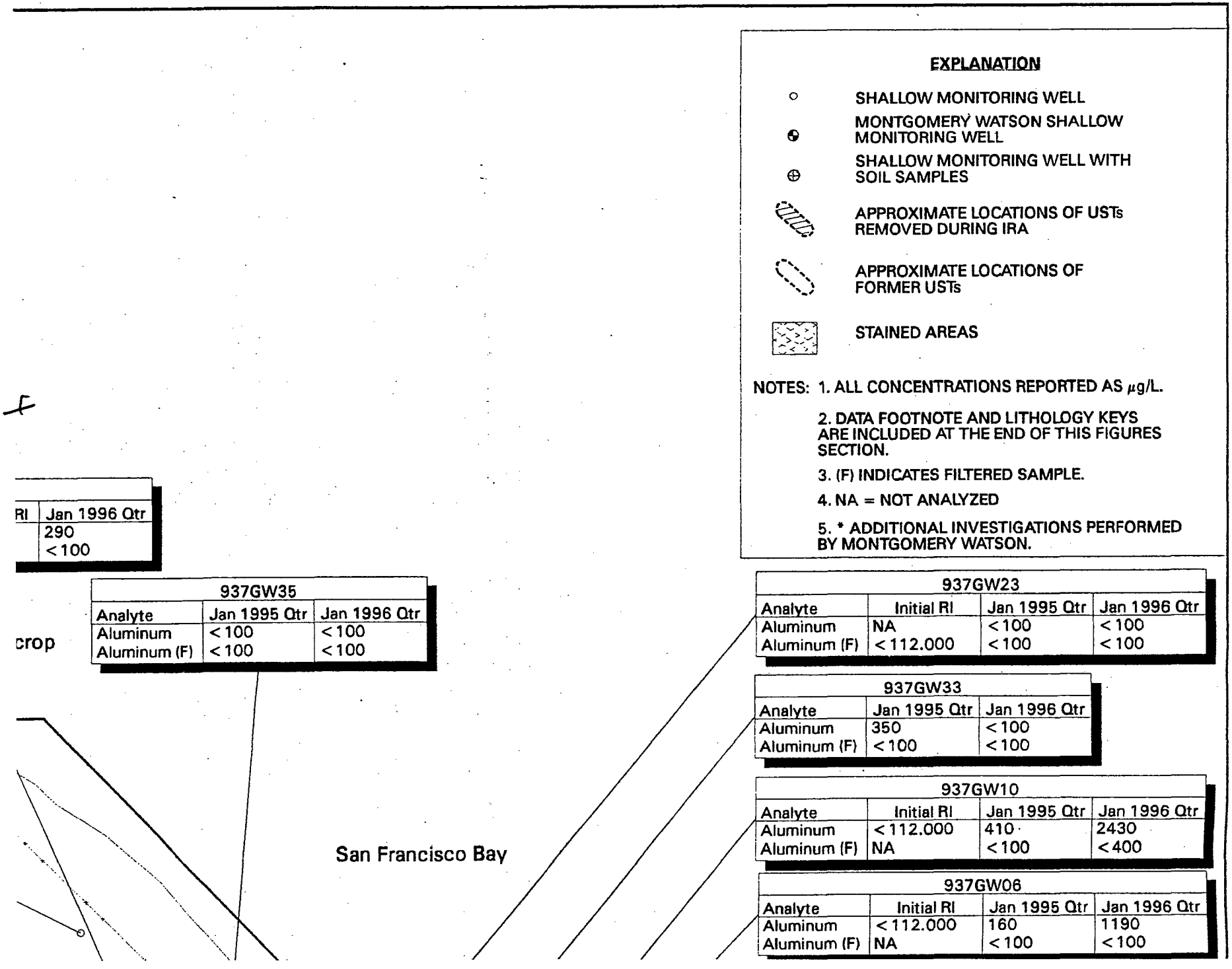


RI	Jan 1996 Qtr
	290
	< 100

crop

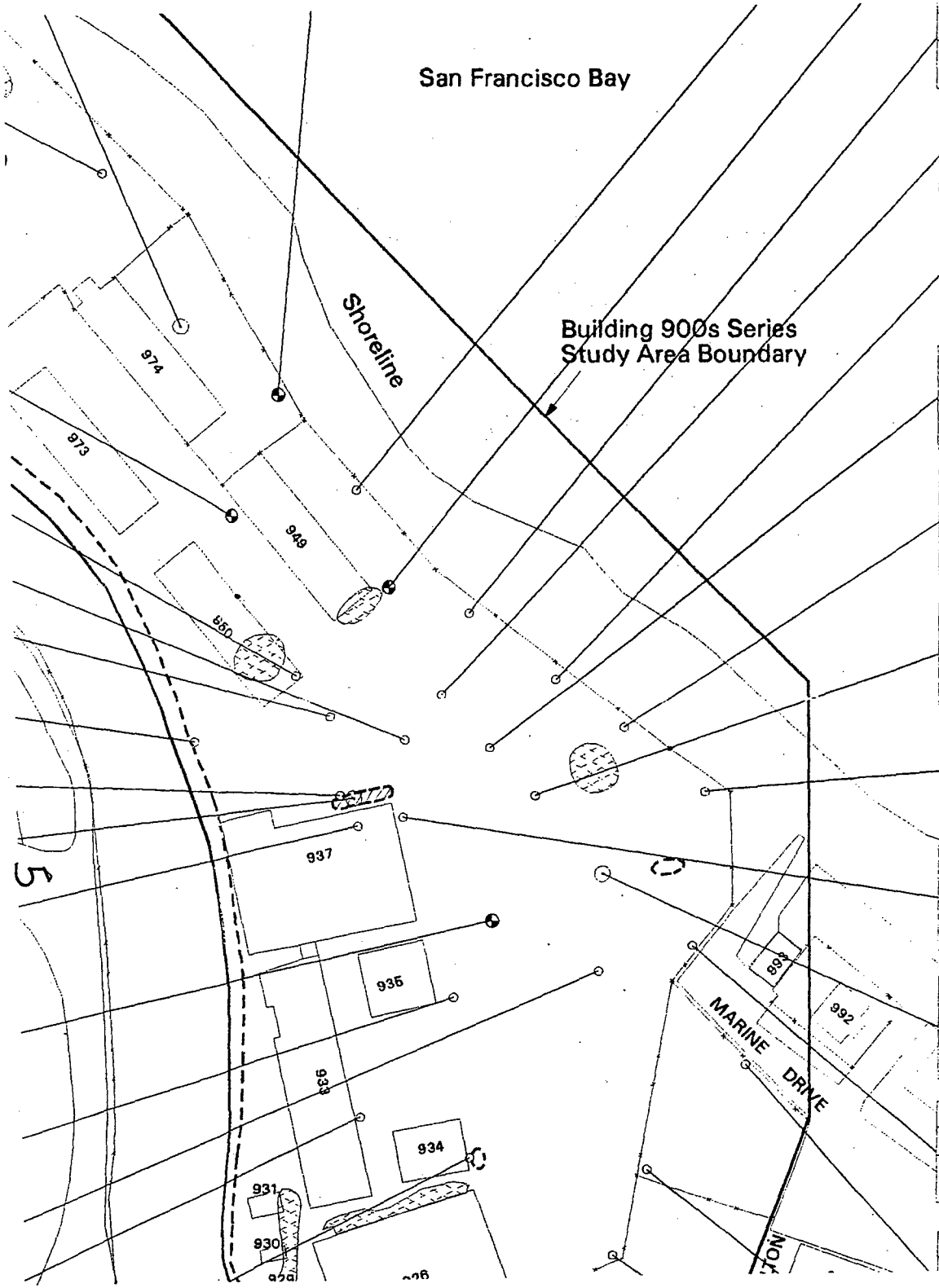
937GW35		
Analyte	Jan 1995 Qtr	Jan 1996 Qtr
Aluminum	< 100	< 100
Aluminum (F)	< 100	< 100

937GW23			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Aluminum	NA	< 100	< 100
Aluminum (F)	< 112.000	< 100	< 100

937GW33		
Analyte	Jan 1995 Qtr	Jan 1996 Qtr
Aluminum	350	< 100
Aluminum (F)	< 100	< 100

937GW10			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Aluminum	< 112.000	410	2430
Aluminum (F)	NA	< 100	< 400

937GW06			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Aluminum	< 112.000	160	1190
Aluminum (F)	NA	< 100	< 100



937GW10

Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Aluminum	< 112.000	410	2430
Aluminum (F)	NA	< 100	< 400

937GW06

Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Aluminum	< 112.000	160	1190
Aluminum (F)	NA	< 100	< 100

937GW24

Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Aluminum	NA	< 100	407
Aluminum (F)	< 112.000	< 100	< 400

937GW05

Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Aluminum	< 112.000	4000	479
Aluminum (F)	NA	< 100	< 100

937GW08

Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Aluminum	< 112.000	< 500	331
Aluminum (F)	NA	< 500	< 100

937GW04

Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Aluminum	< 112.000	490	1100
Aluminum (F)	NA	< 100	< 100

937GW07

Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Aluminum	< 112.000	1800	1670
Aluminum (F)	NA	< 500	< 100

937GW03

Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Aluminum	< 112.000	590	144
Aluminum (F)	NA	< 100	< 100

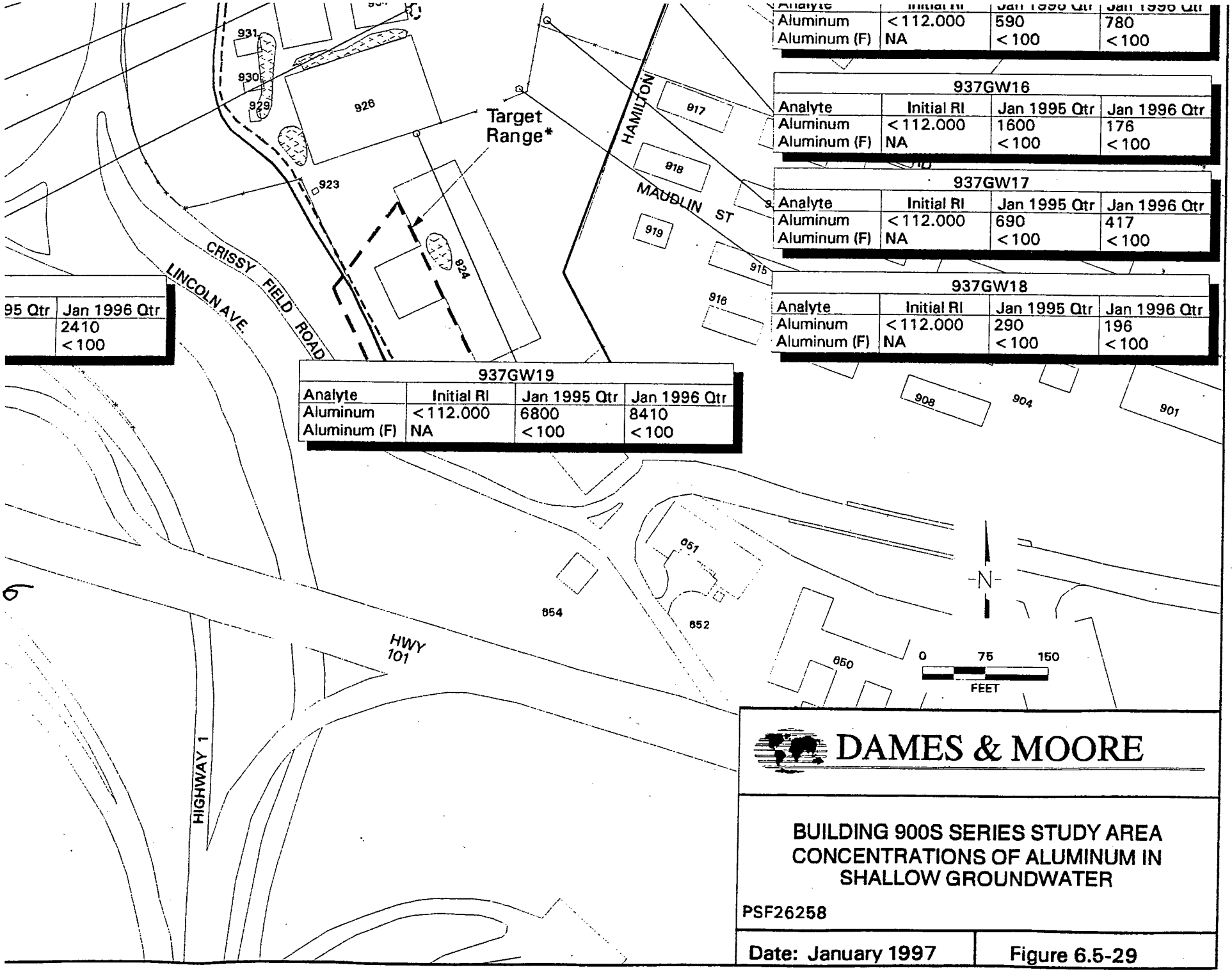
937GW37

Analyte	Suppl. RI	Jan 1995 Qtr	Jan 1996 Qtr
Aluminum	4900	400	2970
Aluminum (F)	160	< 100	< 100

937GW15

Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Aluminum	< 112.000	590	780
Aluminum (F)	NA	< 100	< 100

937GW16



Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Aluminum	< 112.000	590	780
Aluminum (F)	NA	< 100	< 100

937GW16			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Aluminum	< 112.000	1600	176
Aluminum (F)	NA	< 100	< 100

937GW17			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Aluminum	< 112.000	690	417
Aluminum (F)	NA	< 100	< 100

937GW18			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Aluminum	< 112.000	290	196
Aluminum (F)	NA	< 100	< 100

95 Qtr	Jan 1996 Qtr
	2410
	< 100

937GW19			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Aluminum	< 112.000	6800	8410
Aluminum (F)	NA	< 100	< 100

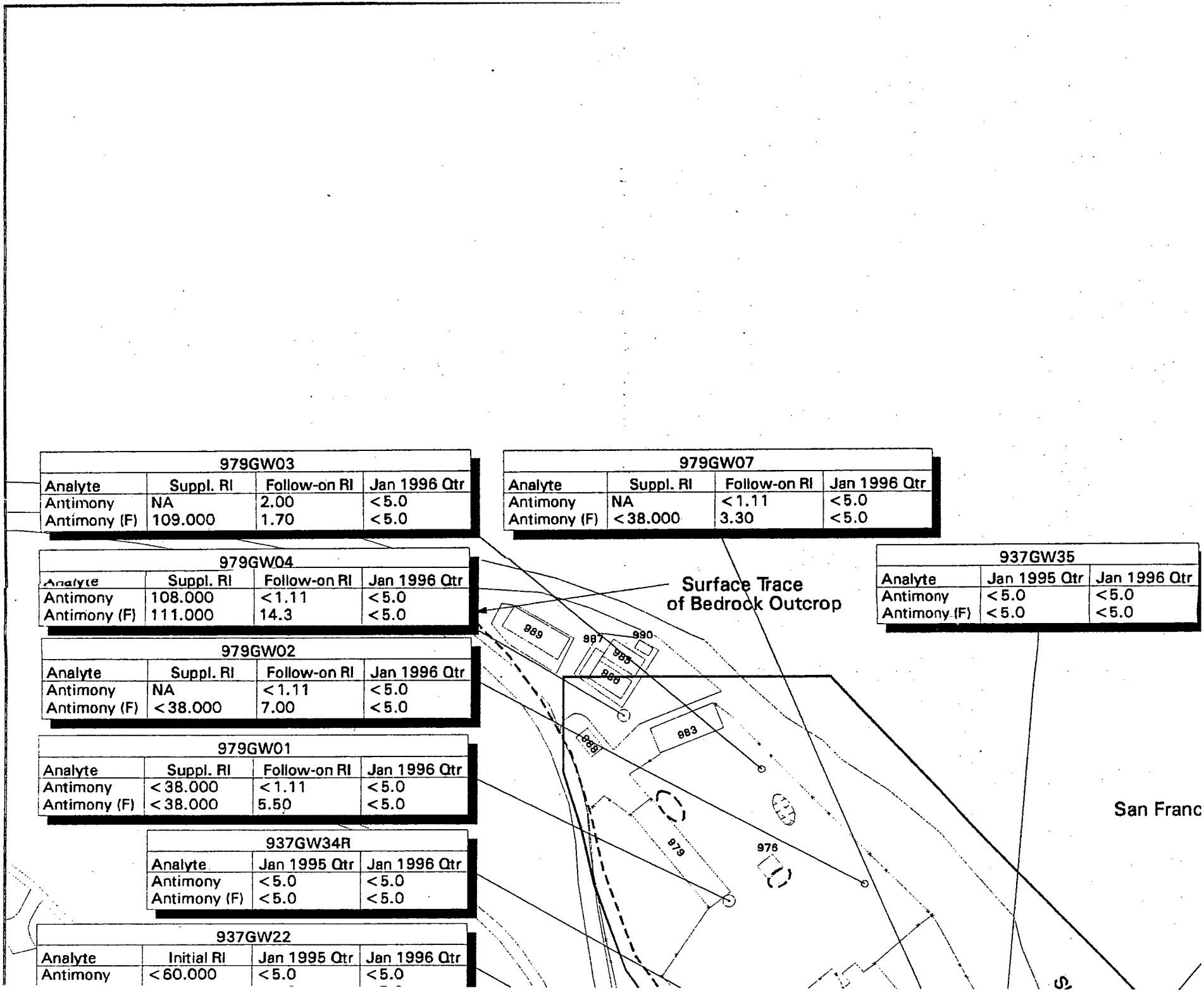
DAMES & MOORE

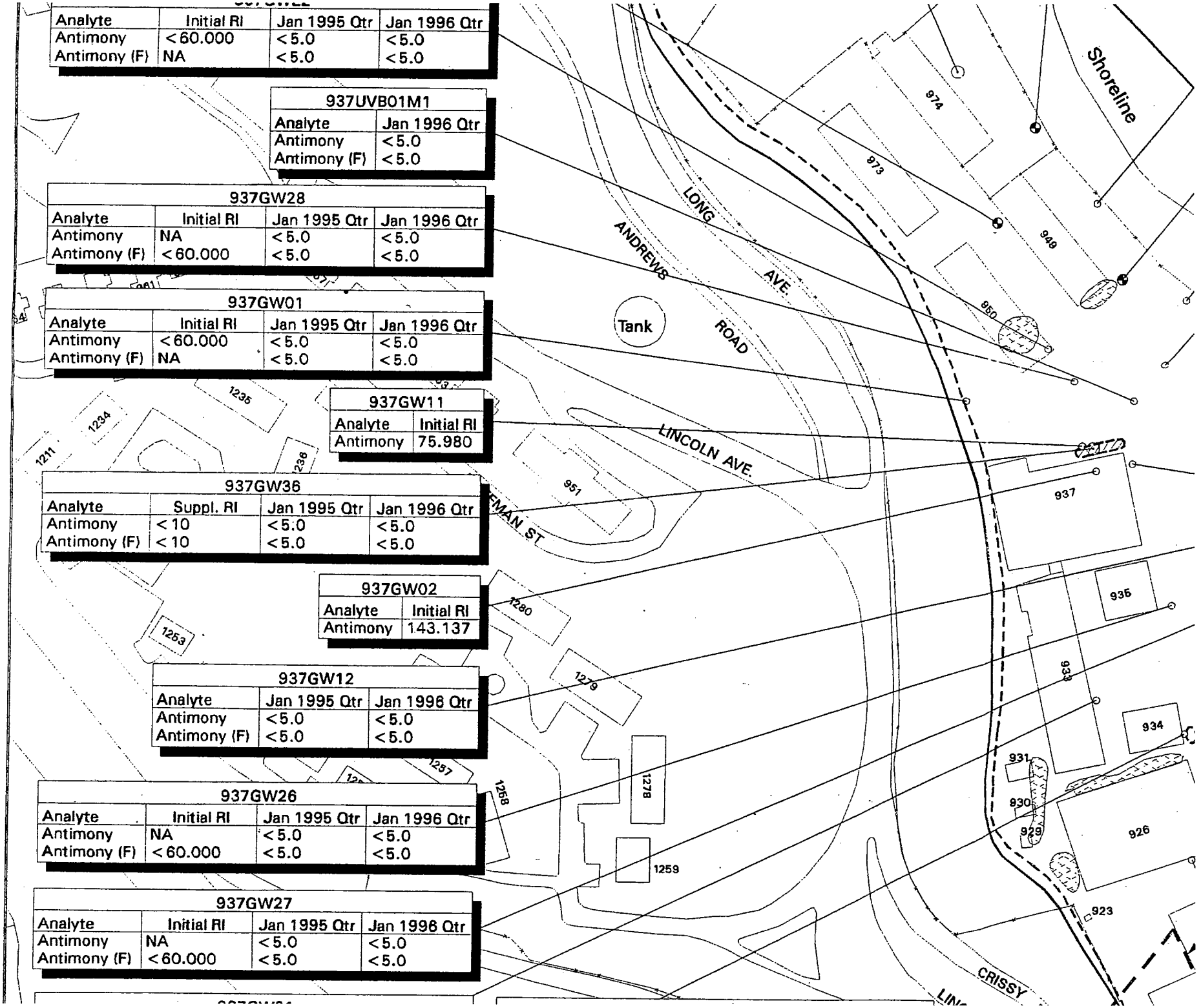
BUILDING 900S SERIES STUDY AREA
CONCENTRATIONS OF ALUMINUM IN
SHALLOW GROUNDWATER

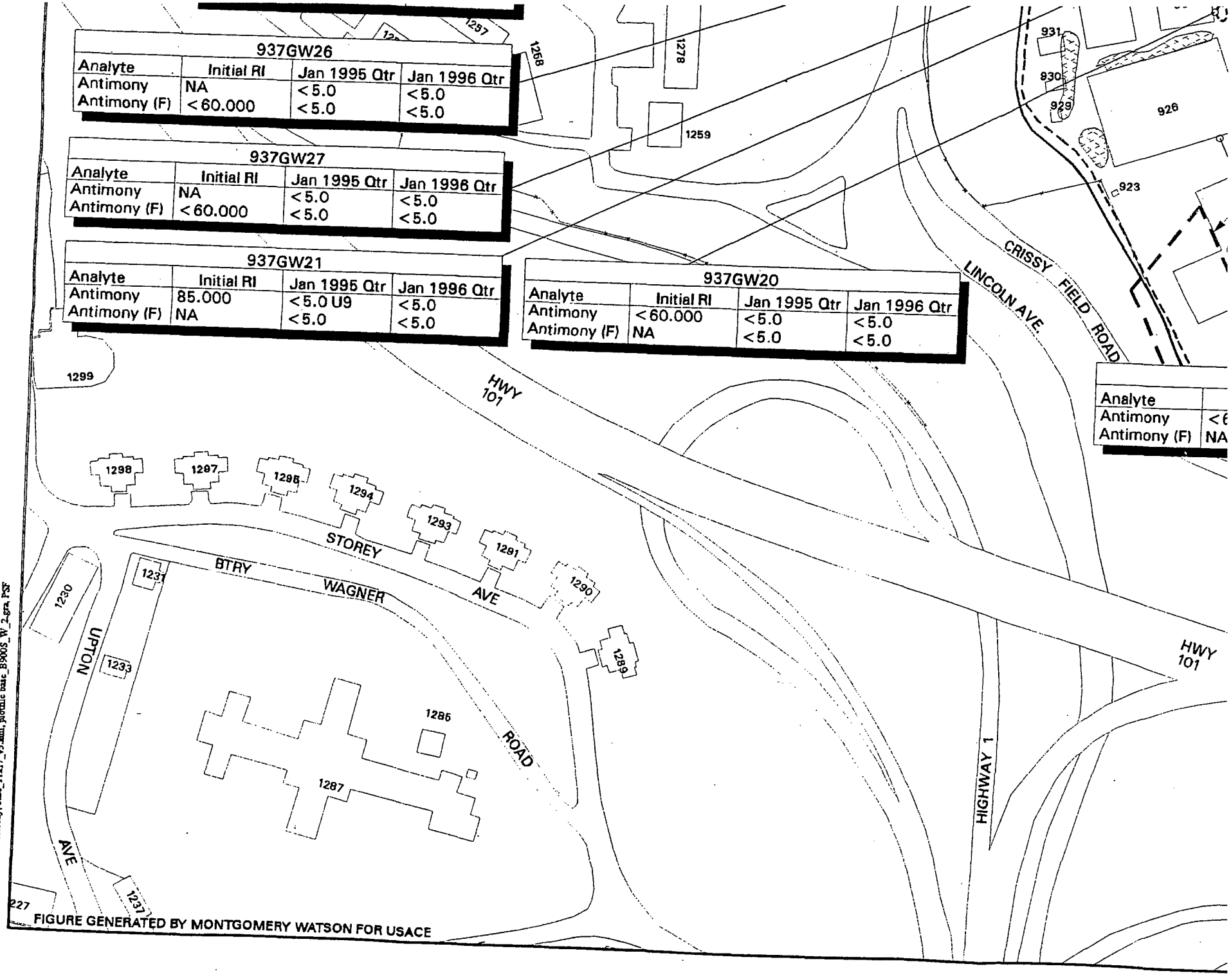
PSF26258

Date: January 1997

Figure 6.5-29

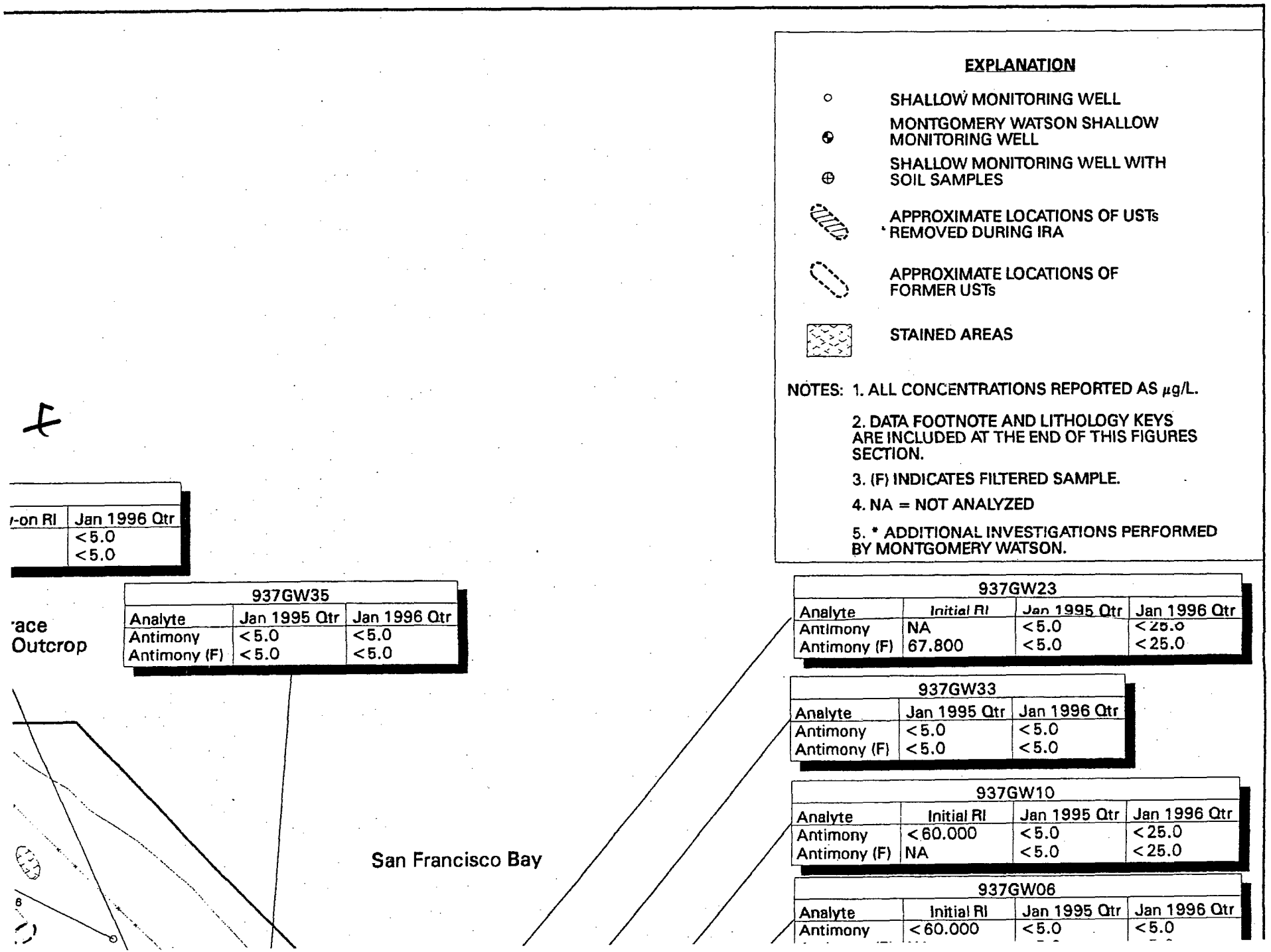

979GW03
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Antimony | NA | 2.00 | <5.0
Antimony (F) | 109.000 | 1.70 | <5.0
979GW07
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Antimony | NA | <1.11 | <5.0
Antimony (F) | <38.000 | 3.30 | <5.0
979GW04
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Antimony | 108.000 | <1.11 | <5.0
Antimony (F) | 111.000 | 14.3 | <5.0
937GW35
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Antimony | <5.0 | <5.0
Antimony (F) | <5.0 | <5.0
Surface Trace of Bedrock Outcrop
979GW02
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Antimony | NA | <1.11 | <5.0
Antimony (F) | <38.000 | 7.00 | <5.0
979GW01
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Antimony | <38.000 | <1.11 | <5.0
Antimony (F) | <38.000 | 5.50 | <5.0
937GW34R
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Antimony | <5.0 | <5.0
Antimony (F) | <5.0 | <5.0
937GW22
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Antimony | <60.000 | <5.0 | <5.0
989
987
990
985
988
983
979
976
San Franc

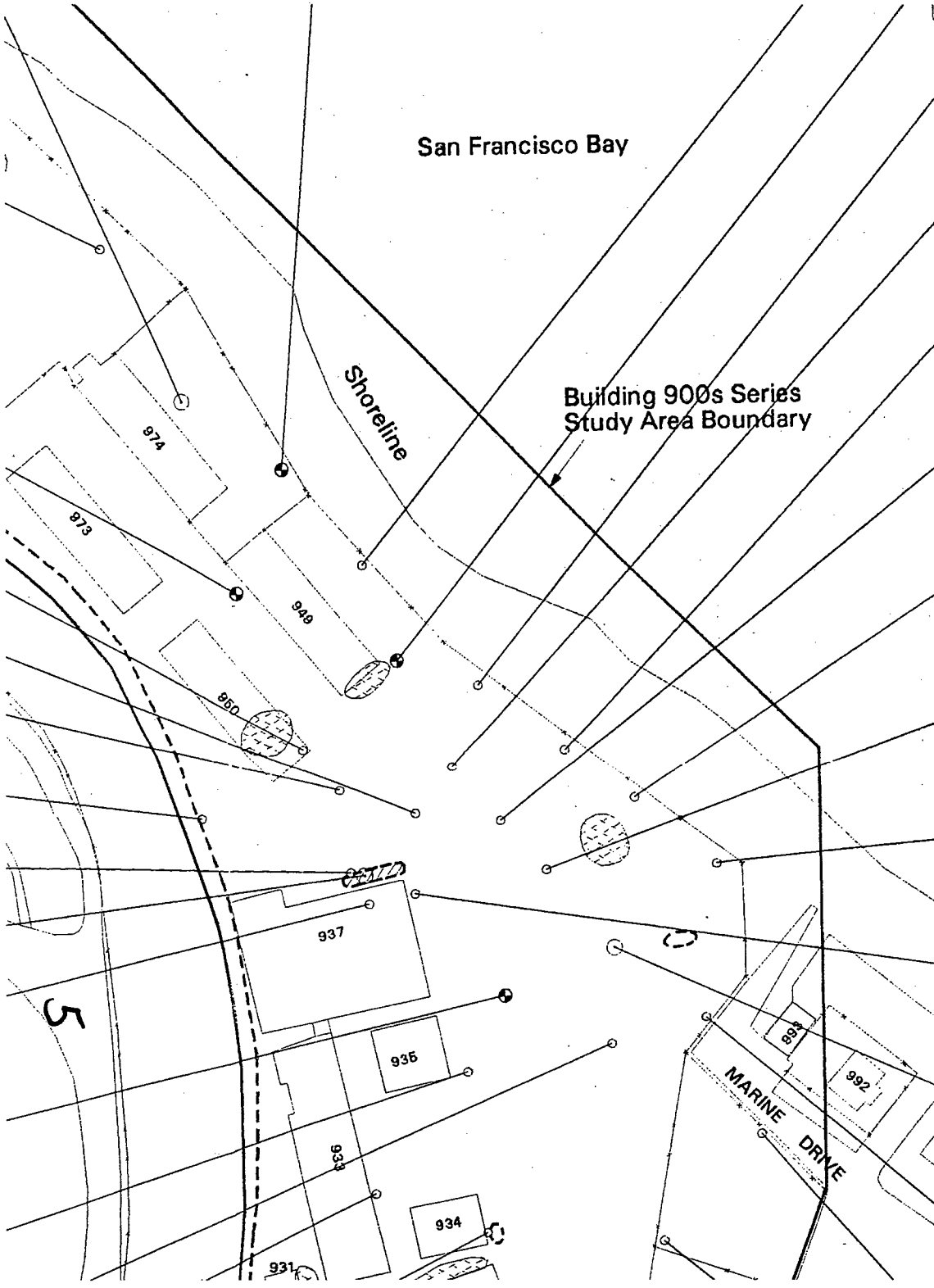

Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Antimony | <60.000 | <5.0 | <5.0
Antimony (F) | NA | <5.0 | <5.0
937UVB01M1
Analyte | Jan 1996 Qtr
Antimony | <5.0
Antimony (F) | <5.0
937GW28
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Antimony | NA | <5.0 | <5.0
Antimony (F) | <60.000 | <5.0 | <5.0
937GW01
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Antimony | <60.000 | <5.0 | <5.0
Antimony (F) | NA | <5.0 | <5.0
937GW11
Analyte | Initial RI
Antimony | 75.980
937GW36
Analyte | Suppl. RI | Jan 1995 Qtr | Jan 1996 Qtr
Antimony | <10 | <5.0 | <5.0
Antimony (F) | <10 | <5.0 | <5.0
937GW02
Analyte | Initial RI
Antimony | 143.137
937GW12
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Antimony | <5.0 | <5.0
Antimony (F) | <5.0 | <5.0
937GW26
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Antimony | NA | <5.0 | <5.0
Antimony (F) | <60.000 | <5.0 | <5.0
937GW27
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Antimony | NA | <5.0 | <5.0
Antimony (F) | <60.000 | <5.0 | <5.0
Shoreline
974
973
949
950
LONG
ANDREWS
AVE.
ROAD
Tank
LINCOLN AVE.
937
935
934
931
930
929
926
923
1235
1234
1211
1236
951
1280
1253
1279
1257
1258
1278
1259
CRISSY



26 Dec 96 08:47:41 Thursday, base_11x17_v3.mnl, plotfile base_B900S_W_2.grn, PSF

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


EXPLANATION
SHALLOW MONITORING WELL
MONTGOMERY WATSON SHALLOW MONITORING WELL
SHALLOW MONITORING WELL WITH SOIL SAMPLES
APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
APPROXIMATE LOCATIONS OF FORMER USTs
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/L.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED
5. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.
-on RI | Jan 1996 Qtr
<5.0
<5.0
937GW35
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Antimony | <5.0 | <5.0
Antimony (F) | <5.0 | <5.0
ace
Outcrop
San Francisco Bay
937GW23
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Antimony | NA | <5.0 | <25.0
Antimony (F) | 67.800 | <5.0 | <25.0
937GW33
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Antimony | <5.0 | <5.0
Antimony (F) | <5.0 | <5.0
937GW10
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Antimony | <60.000 | <5.0 | <25.0
Antimony (F) | NA | <5.0 | <25.0
937GW06
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Antimony | <60.000 | <5.0 | <5.0



937GW10			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	<60.000	<5.0	<25.0
Antimony (F)	NA	<5.0	<25.0

937GW06			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	<60.000	<5.0	<5.0
Antimony (F)	NA	<5.0	<5.0

937GW24			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	NA	<5.0	<25.0
Antimony (F)	<60.000	<5.0	<25.0

937GW05			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	86.961	<5.0	<5.0
Antimony (F)	NA	<5.0	<5.0

937GW08			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	<60.000	<5.0	<5.0
Antimony (F)	NA	<5.0	<5.0

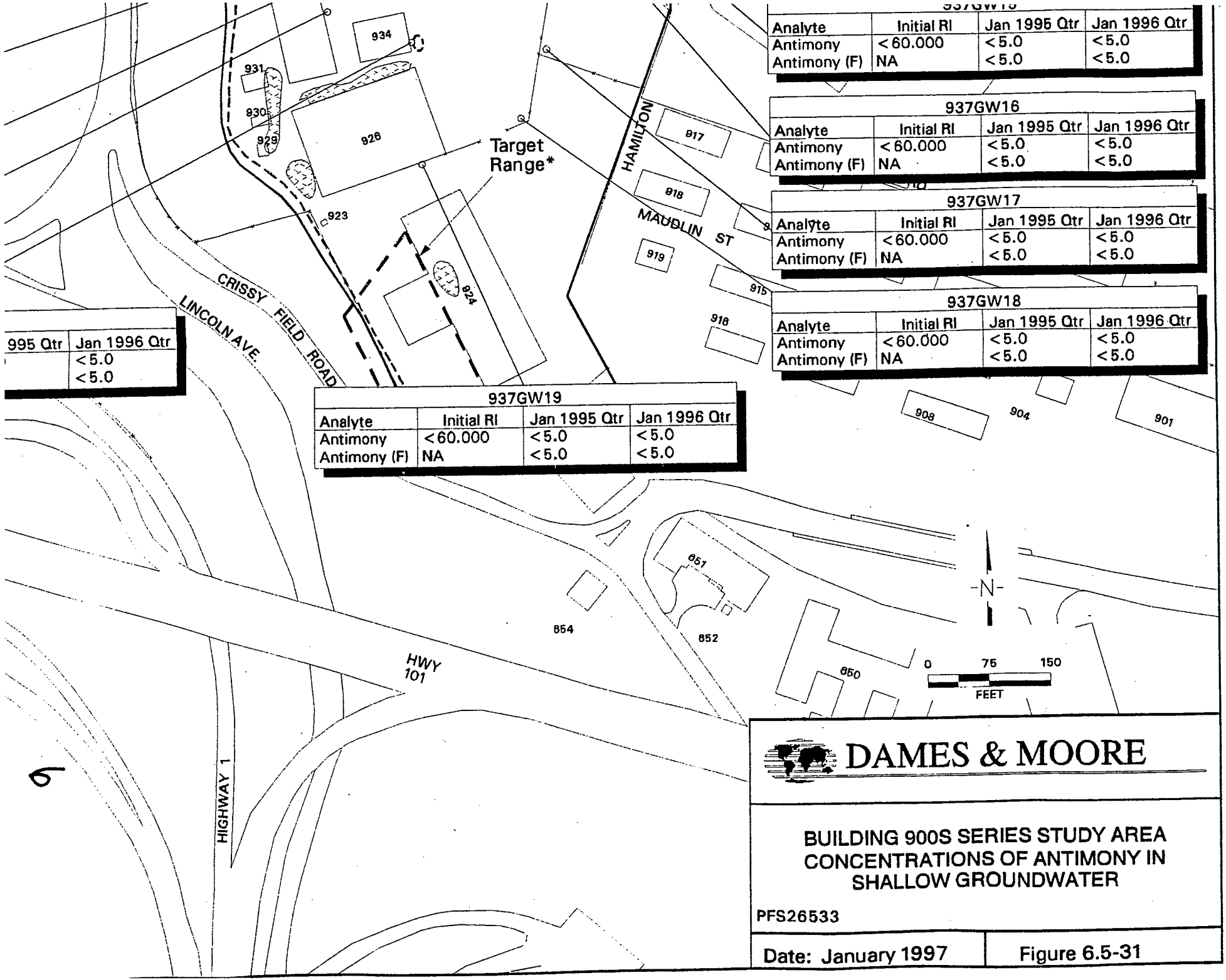
937GW04			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	<60.000	<5.0	<5.0
Antimony (F)	NA	<5.0	<5.0

937GW07			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	91.569	<5.0	<5.0
Antimony (F)	NA	<5.0	<5.0

937GW03			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	<60.000	<5.0	<5.0
Antimony (F)	NA	<5.0	<5.0

937GW37			
Analyte	Suppl. RI	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	<10	<5.0	<5.0
Antimony (F)	17	<5.0	<5.0

937GW15			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	<60.000	<5.0	<5.0
Antimony (F)	NA	<5.0	<5.0



Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	< 60.000	< 5.0	< 5.0
Antimony (F)	NA	< 5.0	< 5.0

937GW16

Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	< 60.000	< 5.0	< 5.0
Antimony (F)	NA	< 5.0	< 5.0

937GW17

Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	< 60.000	< 5.0	< 5.0
Antimony (F)	NA	< 5.0	< 5.0

937GW18

Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	< 60.000	< 5.0	< 5.0
Antimony (F)	NA	< 5.0	< 5.0

995 Qtr	Jan 1996 Qtr
	< 5.0
	< 5.0

937GW19

Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	< 60.000	< 5.0	< 5.0
Antimony (F)	NA	< 5.0	< 5.0

DAMES & MOORE

BUILDING 900S SERIES STUDY AREA
CONCENTRATIONS OF ANTIMONY IN
SHALLOW GROUNDWATER

PFS26533

Date: January 1997

Figure 6.5-31

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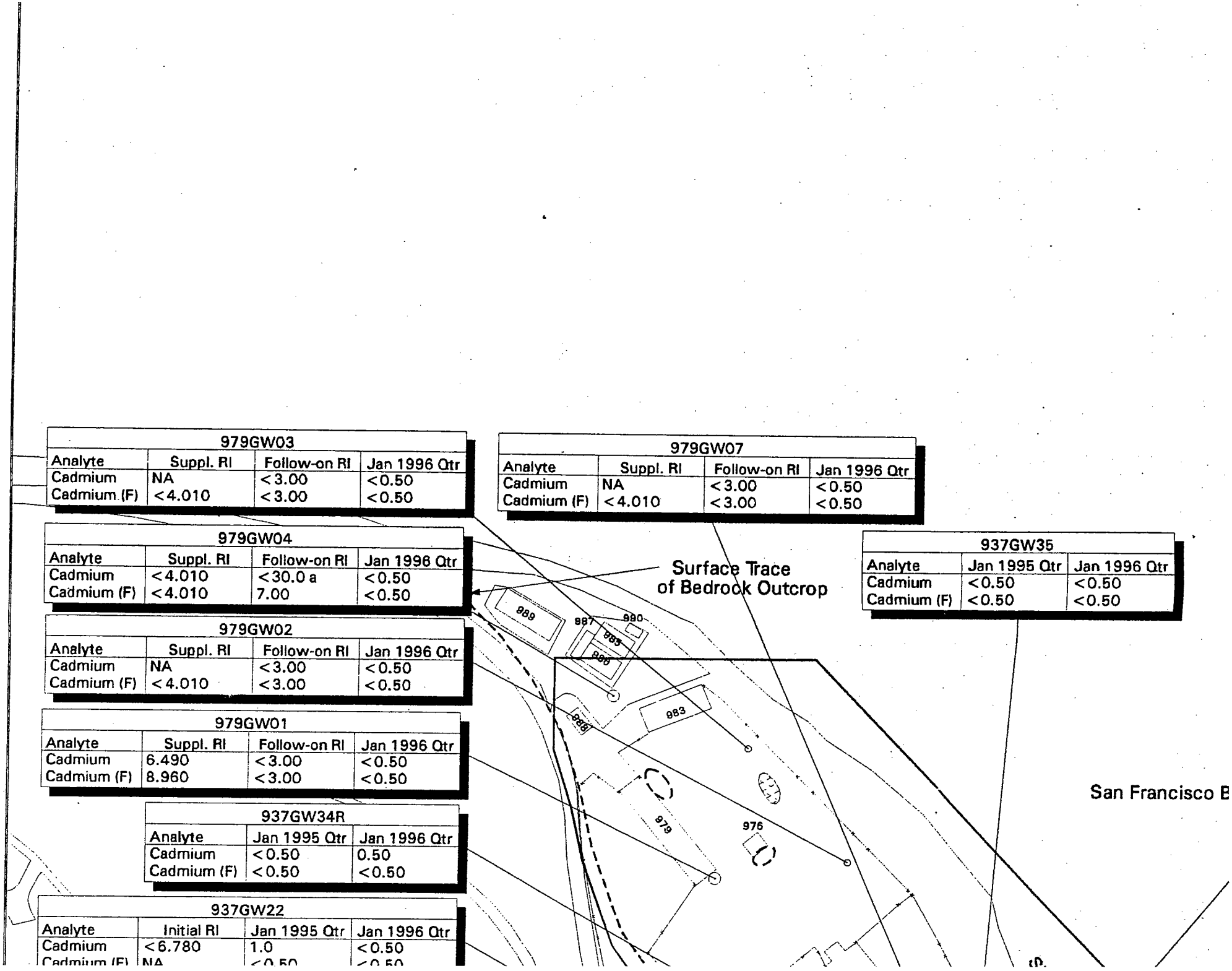
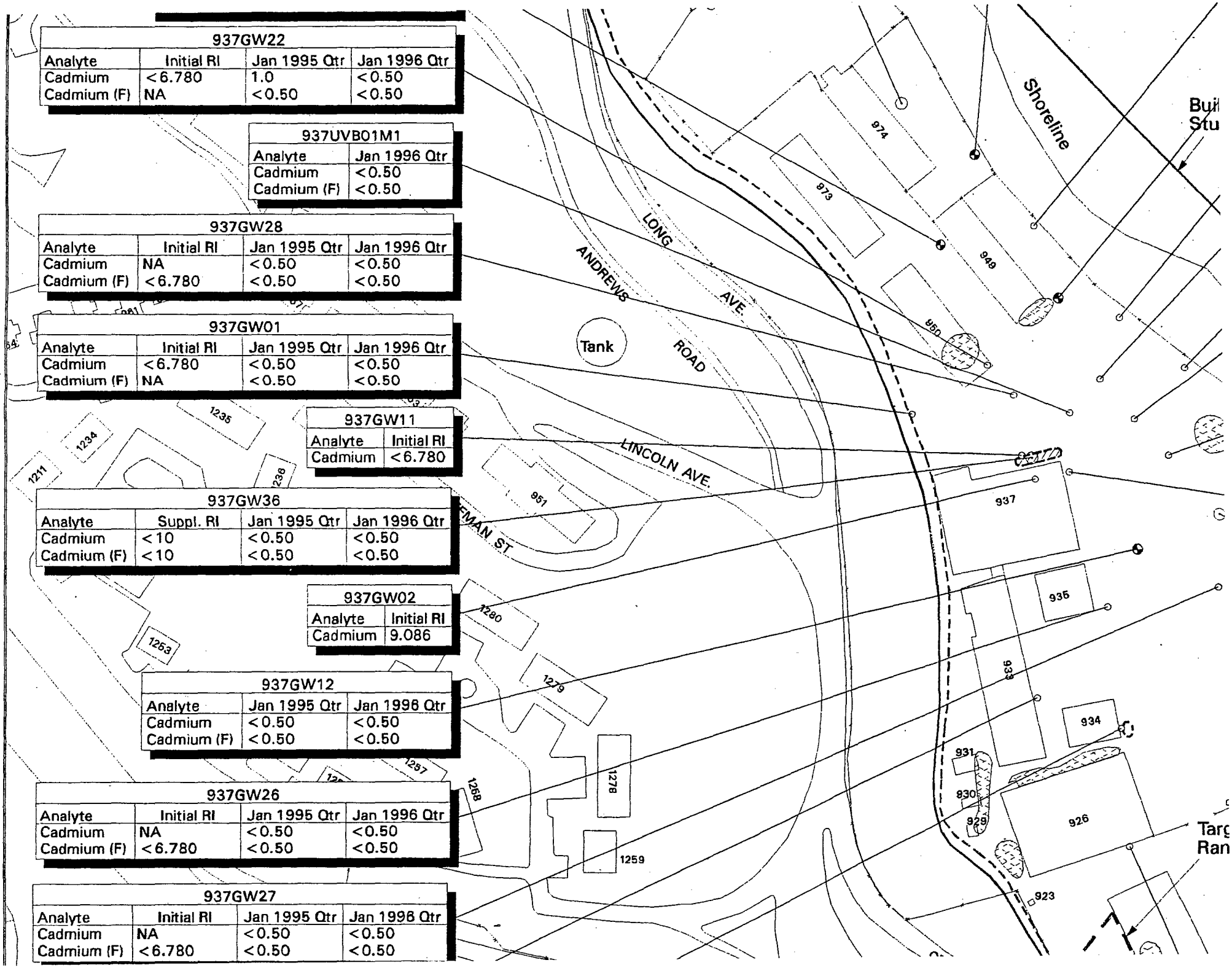

979GW03
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Cadmium | NA | <3.00 | <0.50
Cadmium (F) | <4.010 | <3.00 | <0.50
979GW07
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Cadmium | NA | <3.00 | <0.50
Cadmium (F) | <4.010 | <3.00 | <0.50
937GW35
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Cadmium | <0.50 | <0.50
Cadmium (F) | <0.50 | <0.50
979GW04
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Cadmium | <4.010 | <30.0 a | <0.50
Cadmium (F) | <4.010 | 7.00 | <0.50
Surface Trace of Bedrock Outcrop
979GW02
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Cadmium | NA | <3.00 | <0.50
Cadmium (F) | <4.010 | <3.00 | <0.50
979GW01
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Cadmium | 6.490 | <3.00 | <0.50
Cadmium (F) | 8.960 | <3.00 | <0.50
937GW34R
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Cadmium | <0.50 | 0.50
Cadmium (F) | <0.50 | <0.50
937GW22
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Cadmium | <6.780 | 1.0 | <0.50
989
987
990
983
986
988
983
979
976
San Francisco B


937GW22
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Cadmium | <6.780 | 1.0 | <0.50
Cadmium (F) | NA | <0.50 | <0.50
937UVB01M1
Analyte | Jan 1996 Qtr
Cadmium | <0.50
Cadmium (F) | <0.50
937GW28
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Cadmium | NA | <0.50 | <0.50
Cadmium (F) | <6.780 | <0.50 | <0.50
937GW01
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Cadmium | <6.780 | <0.50 | <0.50
Cadmium (F) | NA | <0.50 | <0.50
937GW11
Analyte | Initial RI
Cadmium | <6.780
937GW36
Analyte | Suppl. RI | Jan 1995 Qtr | Jan 1996 Qtr
Cadmium | <10 | <0.50 | <0.50
Cadmium (F) | <10 | <0.50 | <0.50
937GW02
Analyte | Initial RI
Cadmium | 9.086
937GW12
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Cadmium | <0.50 | <0.50
Cadmium (F) | <0.50 | <0.50
937GW26
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Cadmium | NA | <0.50 | <0.50
Cadmium (F) | <6.780 | <0.50 | <0.50
937GW27
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Cadmium | NA | <0.50 | <0.50
Cadmium (F) | <6.780 | <0.50 | <0.50
Shoreline
LONG
ANDREWS
AVE.
ROAD
Tank
LINCOLN AVE.
974
973
949
950
951
937
935
933
934
931
930
929
926
923
1235
1234
1211
1238
1280
1279
1263
1278
1259
1257
1268

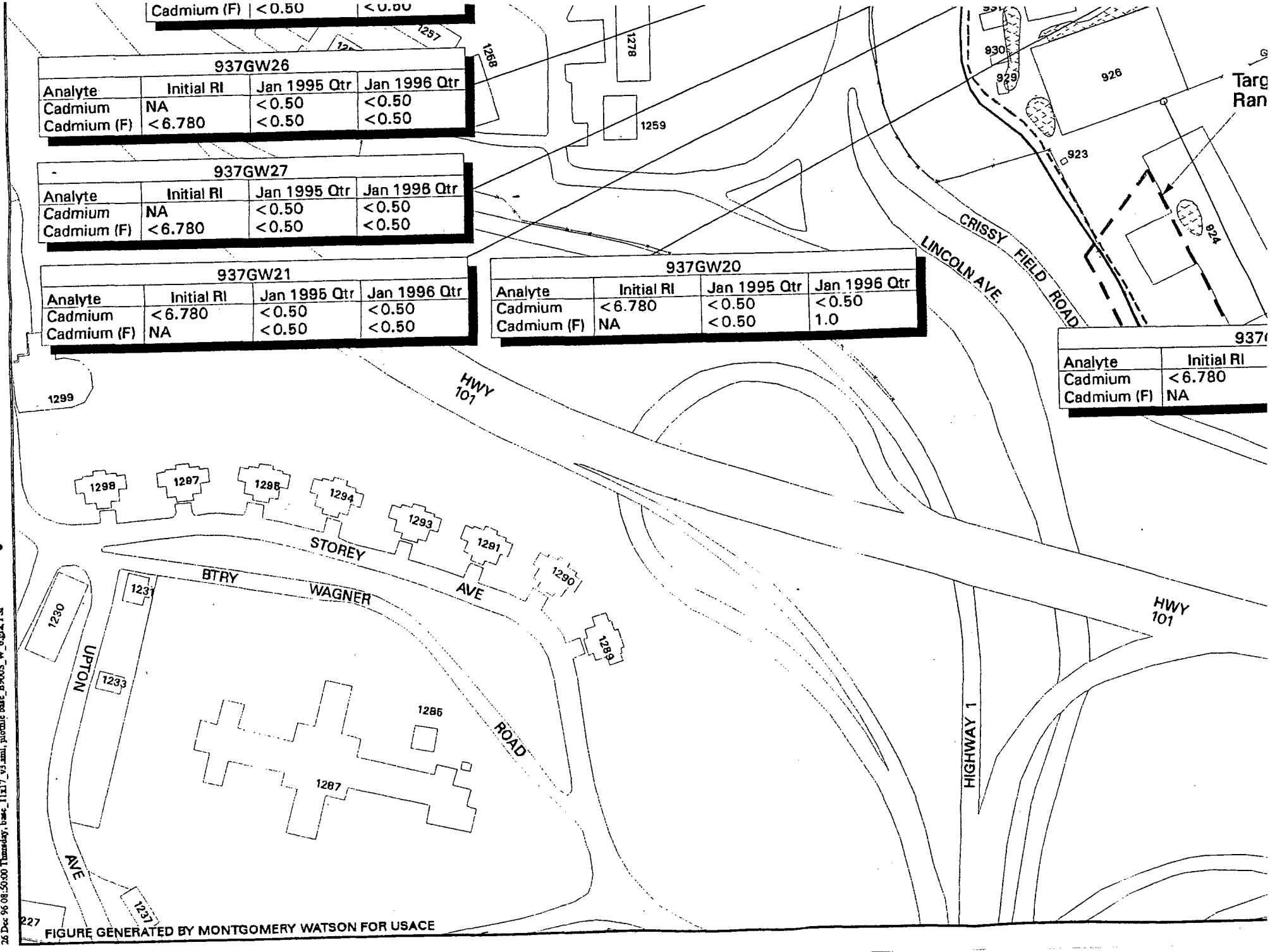
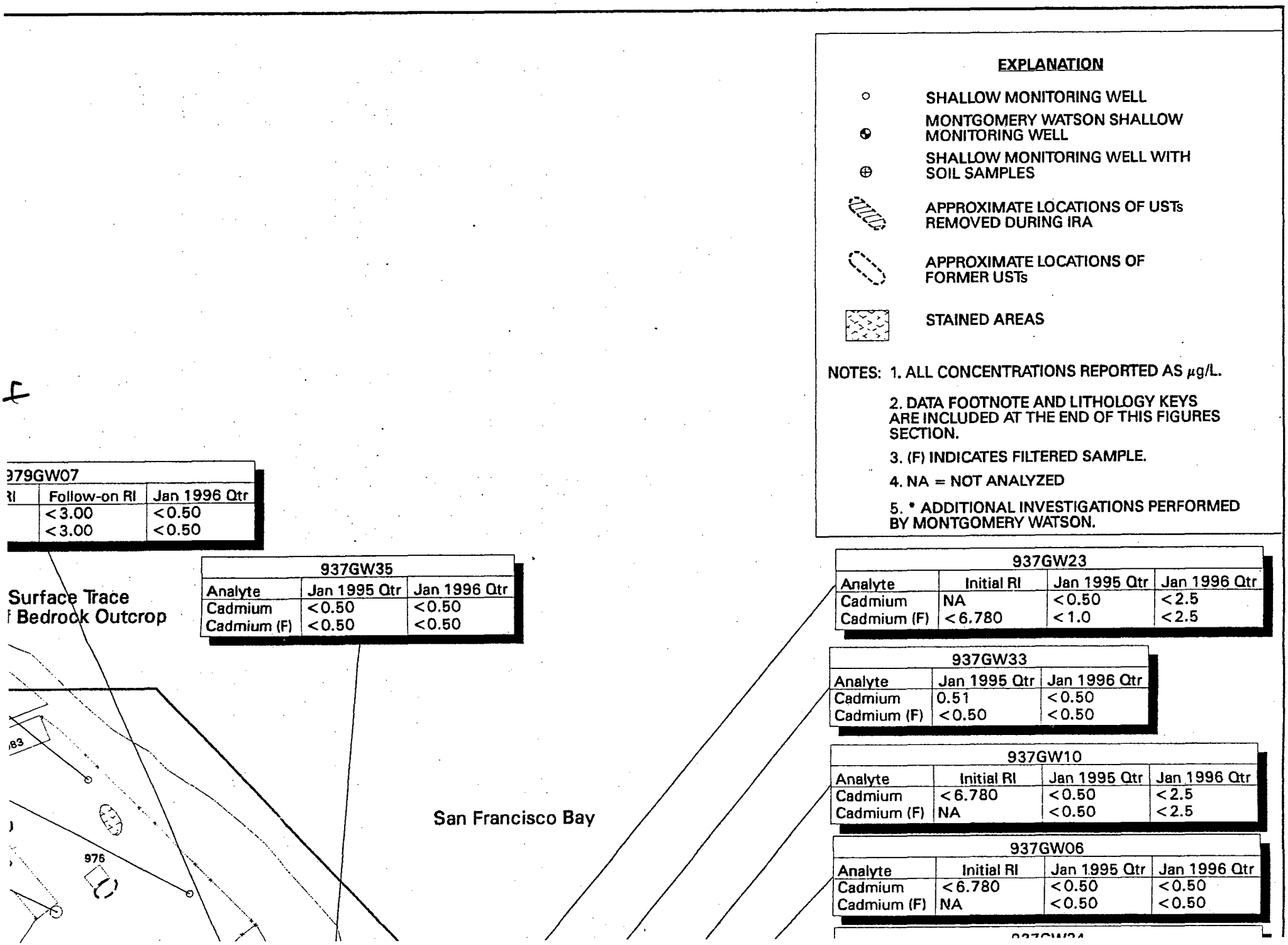
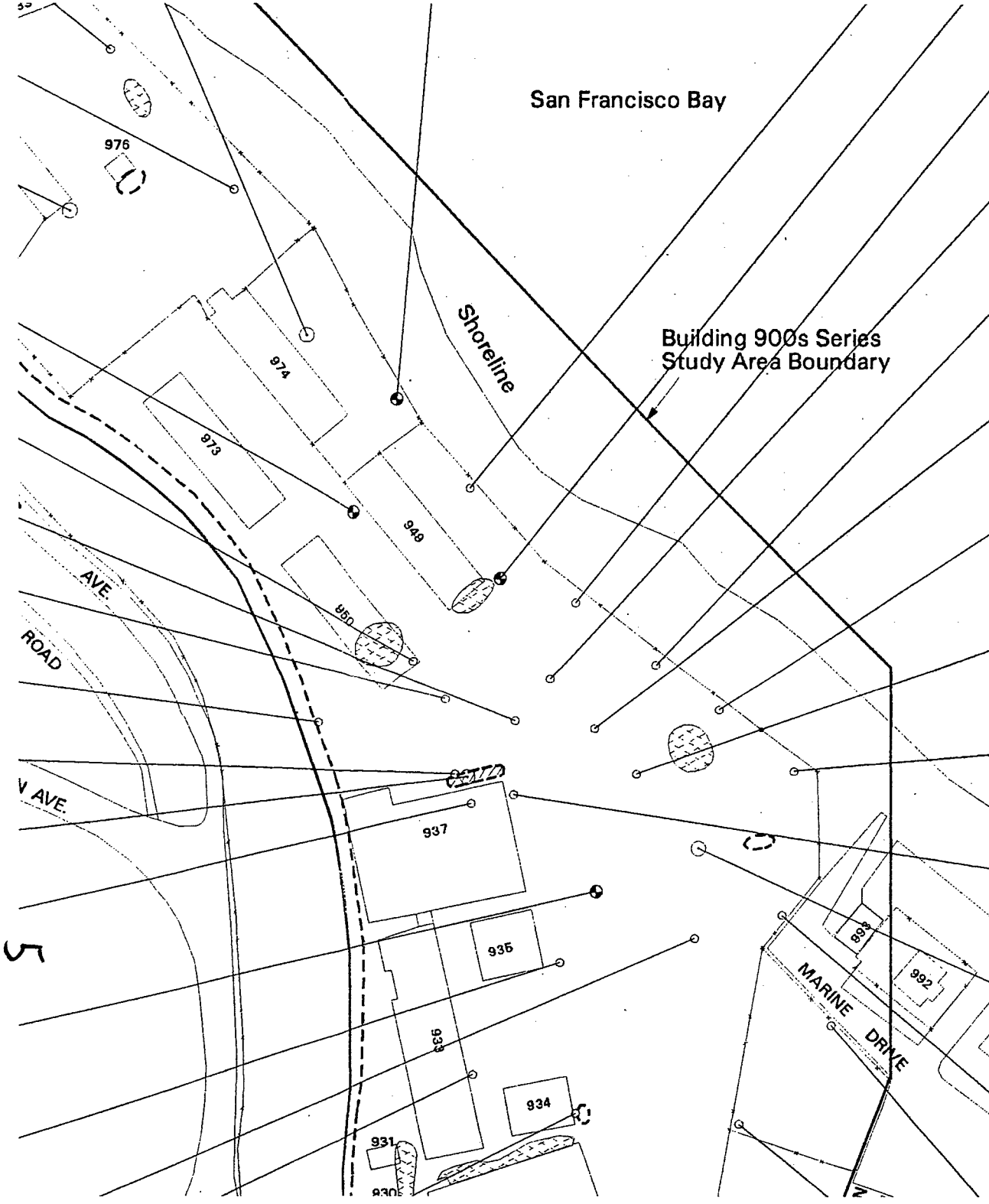


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

26 Dec 96 08:50:00 Thursday, base_11x17_v3.aml, plotfile base_B900S_W_6.cgm, PSF

3


EXPLANATION
SHALLOW MONITORING WELL
MONTGOMERY WATSON SHALLOW MONITORING WELL
SHALLOW MONITORING WELL WITH SOIL SAMPLES
APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
APPROXIMATE LOCATIONS OF FORMER USTs
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/L.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED
5. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.
979GW07
RI | Follow-on RI | Jan 1996 Qtr
< 3.00 | < 0.50
< 3.00 | < 0.50
937GW35
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Cadmium | < 0.50 | < 0.50
Cadmium (F) | < 0.50 | < 0.50
937GW23
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Cadmium | NA | < 0.50 | < 2.5
Cadmium (F) | < 6.780 | < 1.0 | < 2.5
937GW33
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Cadmium | 0.51 | < 0.50
Cadmium (F) | < 0.50 | < 0.50
937GW10
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Cadmium | < 6.780 | < 0.50 | < 2.5
Cadmium (F) | NA | < 0.50 | < 2.5
937GW06
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Cadmium | < 6.780 | < 0.50 | < 0.50
Cadmium (F) | NA | < 0.50 | < 0.50
Surface Trace
f Bedrock Outcrop
San Francisco Bay
976



937GW10			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Cadmium	<6.780	<0.50	<2.5
Cadmium (F)	NA	<0.50	<2.5

937GW06			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Cadmium	<6.780	<0.50	<0.50
Cadmium (F)	NA	<0.50	<0.50

937GW24			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Cadmium	NA	<0.50	<2.5
Cadmium (F)	<6.780	<0.50	<2.5

937GW05			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Cadmium	<6.780	<0.50	<0.50
Cadmium (F)	NA	<0.50	<0.50

937GW08			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Cadmium	<6.780	<0.50	<2.5
Cadmium (F)	NA	<0.50	<2.5

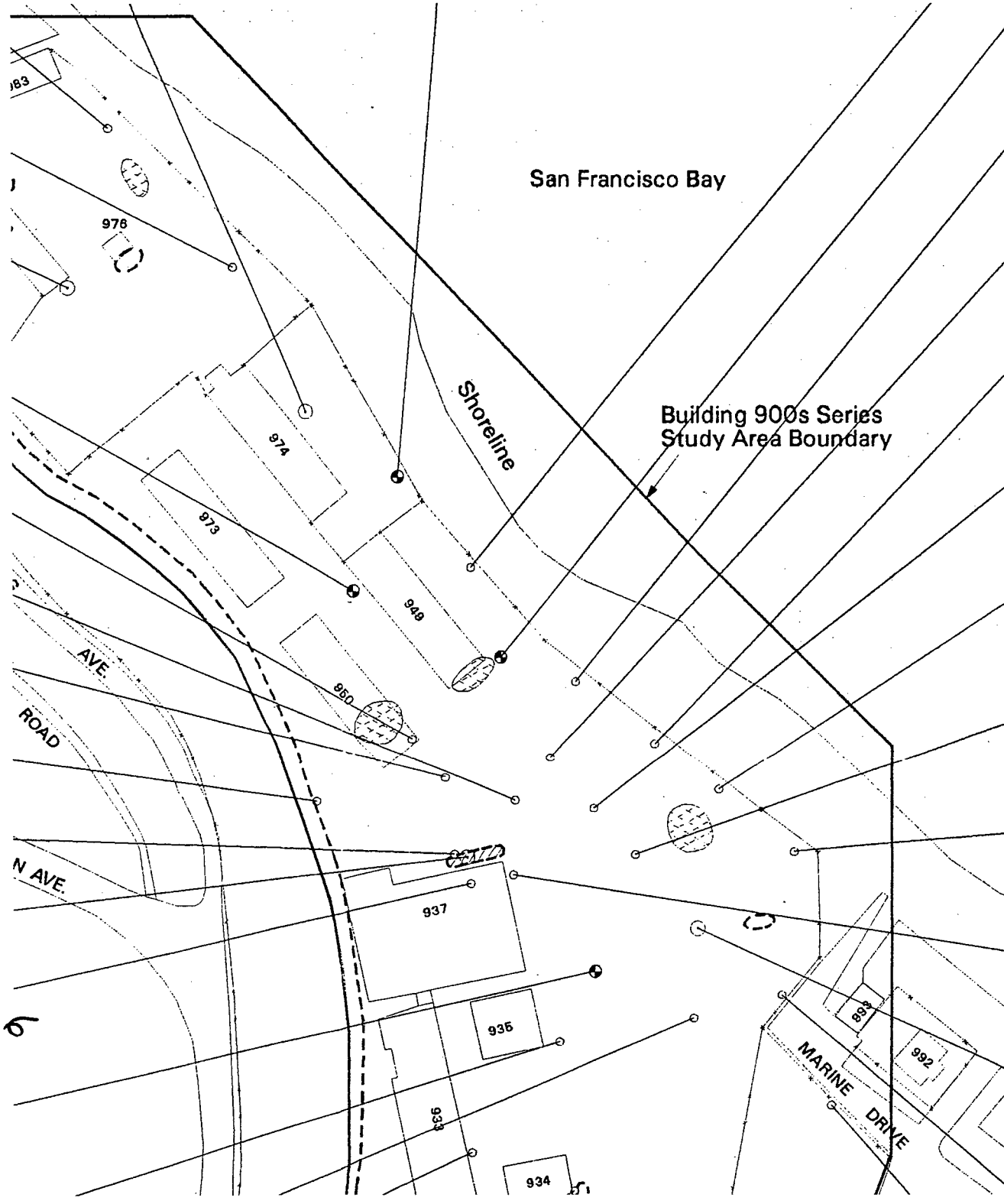
937GW04			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Cadmium	<6.780	<0.50	<0.50
Cadmium (F)	NA	<0.50	<0.50

937GW07			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Cadmium	<6.780	2.0	0.54
Cadmium (F)	NA	1.5	<0.50

937GW03			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Cadmium	<6.780	<0.50	<0.50
Cadmium (F)	NA	<0.50	<0.50

937GW37			
Analyte	Suppl. RI	Jan 1995 Qtr	Jan 1996 Qtr
Cadmium	<10	<0.50	<0.50
Cadmium (F)	<10	<0.50	<0.50

937GW15			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Cadmium	<6.780	<0.50	0.92
Cadmium (F)	NA	<0.50	<0.50



Analyte	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	<5.0	<5.0
Antimony (F)	<5.0	<5.0

937GW10			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	<60.000	<5.0	<25.0
Antimony (F)	NA	<5.0	<25.0

937GW06			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	<60.000	<5.0	<5.0
Antimony (F)	NA	<5.0	<5.0

937GW24			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	NA	<5.0	<25.0
Antimony (F)	<60.000	<5.0	<25.0

937GW05			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	86.961	<5.0	<5.0
Antimony (F)	NA	<5.0	<5.0

937GW08			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	<60.000	<5.0	<5.0
Antimony (F)	NA	<5.0	<5.0

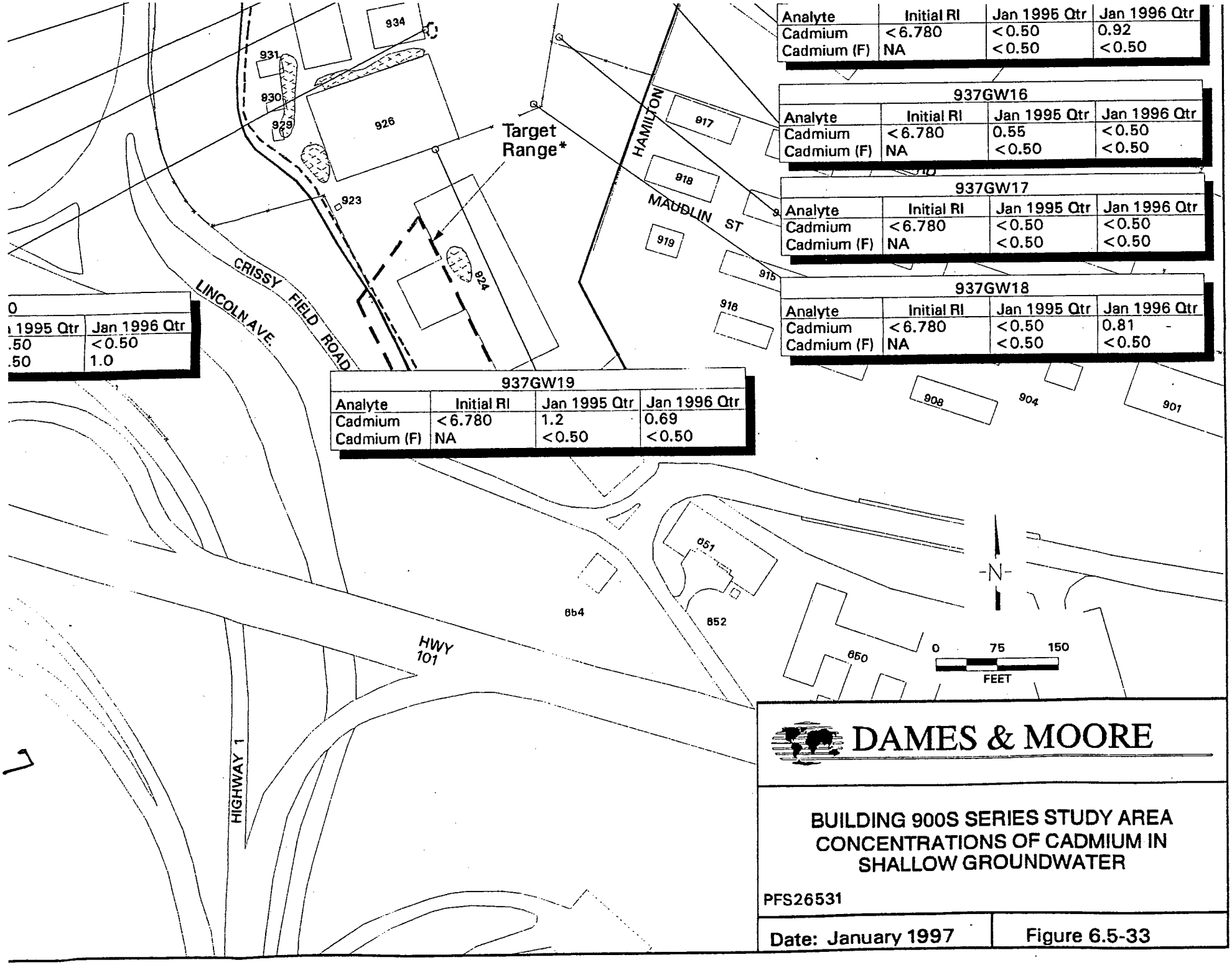
937GW04			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	<60.000	<5.0	<5.0
Antimony (F)	NA	<5.0	<5.0

937GW07			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	91.569	<5.0	<5.0
Antimony (F)	NA	<5.0	<5.0

937GW03			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	<60.000	<5.0	<5.0
Antimony (F)	NA	<5.0	<5.0

937GW37			
Analyte	Suppl. RI	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	<10	<5.0	<5.0
Antimony (F)	17	<5.0	<5.0

937GW15			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr



Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Cadmium	<6.780	<0.50	0.92
Cadmium (F)	NA	<0.50	<0.50

937GW16

Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Cadmium	<6.780	0.55	<0.50
Cadmium (F)	NA	<0.50	<0.50

937GW17

Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Cadmium	<6.780	<0.50	<0.50
Cadmium (F)	NA	<0.50	<0.50

937GW18

Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Cadmium	<6.780	<0.50	0.81
Cadmium (F)	NA	<0.50	<0.50

0	
1995 Qtr	Jan 1996 Qtr
.50	<0.50
.50	1.0

937GW19

Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Cadmium	<6.780	1.2	0.69
Cadmium (F)	NA	<0.50	<0.50

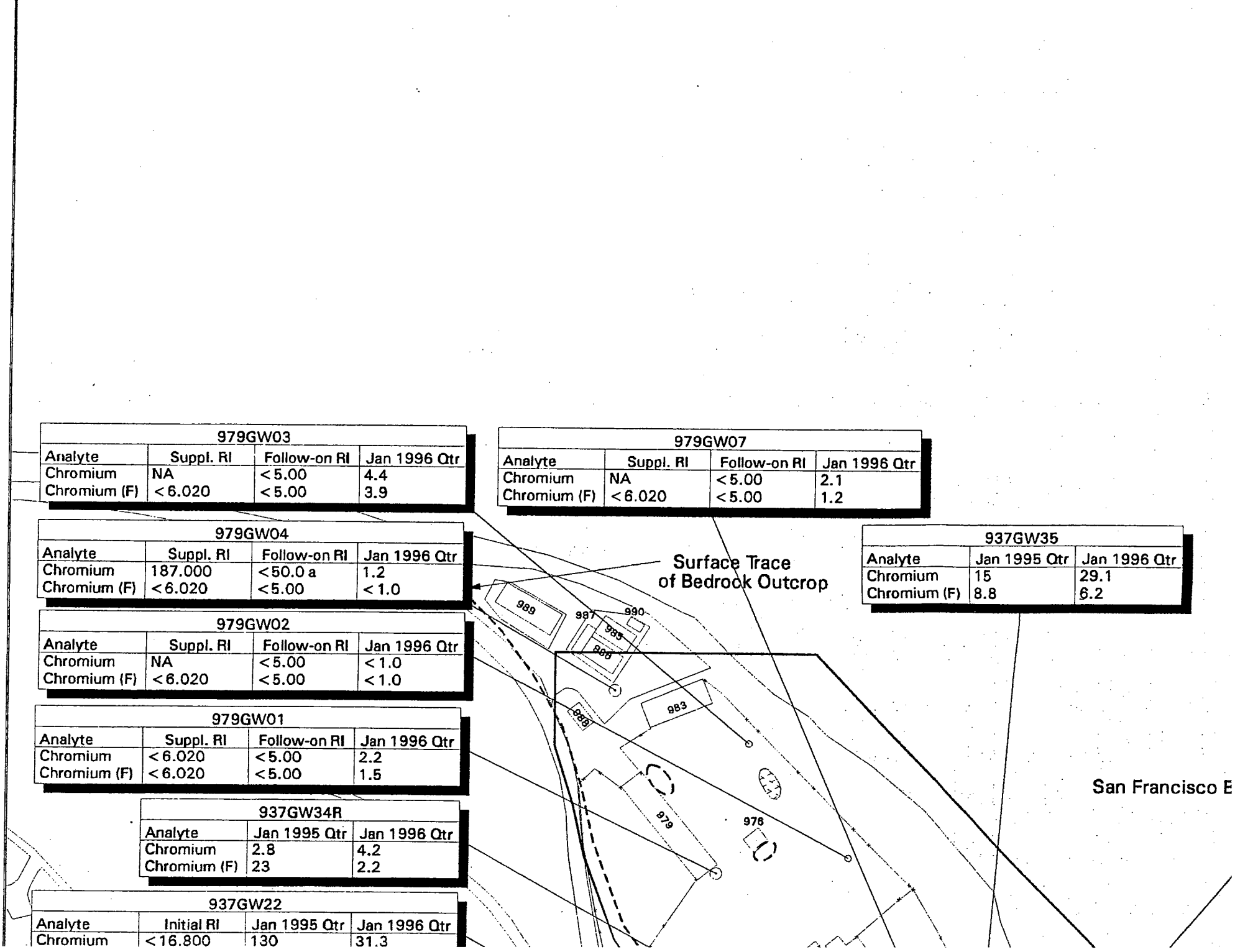
DAMES & MOORE

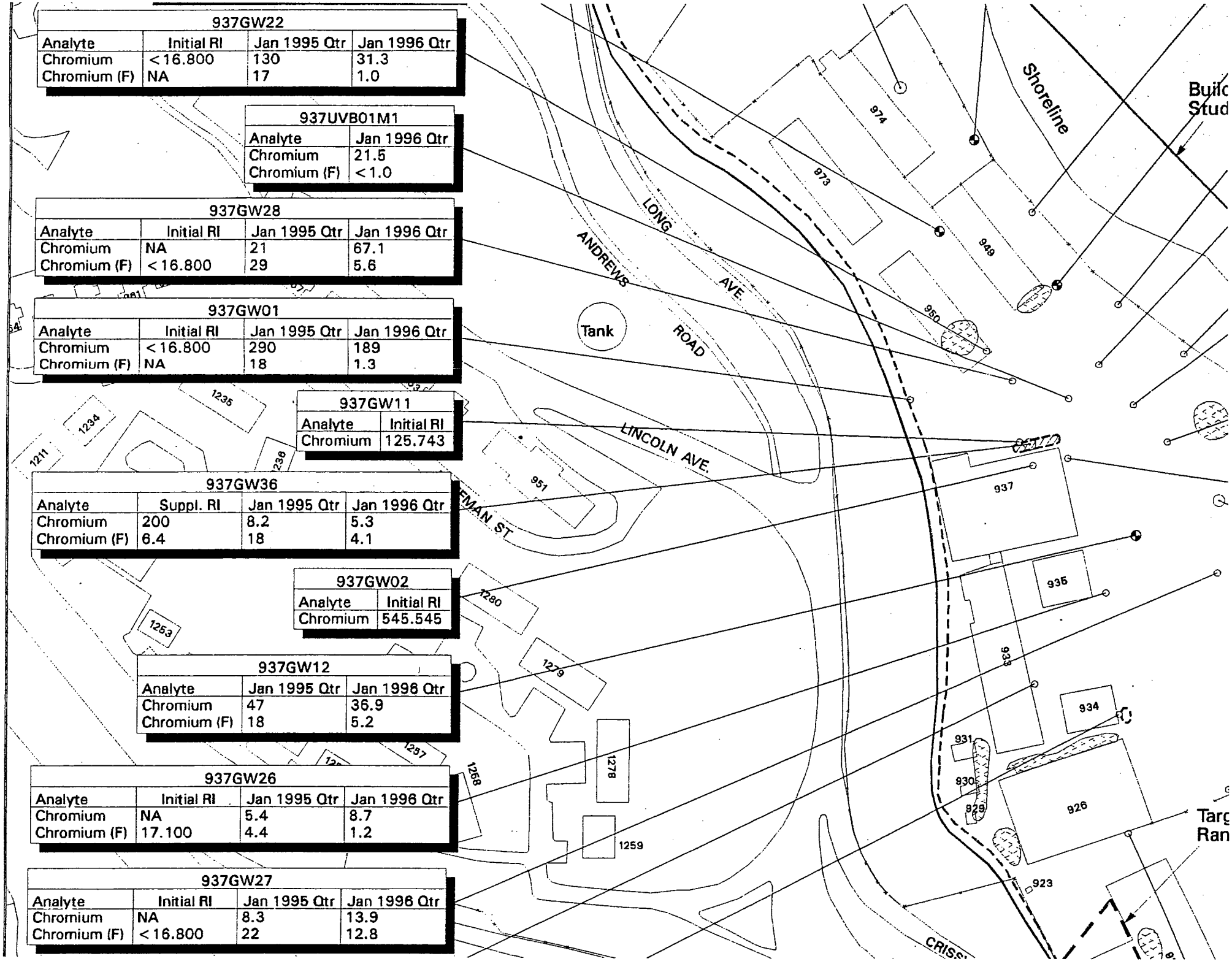
BUILDING 900S SERIES STUDY AREA CONCENTRATIONS OF CADMIUM IN SHALLOW GROUNDWATER

PFS26531

Date: January 1997

Figure 6.5-33


979GW03
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Chromium | NA | <5.00 | 4.4
Chromium (F) | <6.020 | <5.00 | 3.9
979GW07
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Chromium | NA | <5.00 | 2.1
Chromium (F) | <6.020 | <5.00 | 1.2
979GW04
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Chromium | 187.000 | <50.0 a | 1.2
Chromium (F) | <6.020 | <5.00 | <1.0
937GW35
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Chromium | 15 | 29.1
Chromium (F) | 8.8 | 6.2
Surface Trace of Bedrock Outcrop
979GW02
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Chromium | NA | <5.00 | <1.0
Chromium (F) | <6.020 | <5.00 | <1.0
979GW01
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Chromium | <6.020 | <5.00 | 2.2
Chromium (F) | <6.020 | <5.00 | 1.5
937GW34R
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Chromium | 2.8 | 4.2
Chromium (F) | 23 | 2.2
937GW22
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Chromium | <16.800 | 130 | 31.3
989
987
990
985
986
983
988
979
976
San Francisco E


937GW22
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Chromium | < 16.800 | 130 | 31.3
Chromium (F) | NA | 17 | 1.0
937UVB01M1
Analyte | Jan 1996 Qtr
Chromium | 21.5
Chromium (F) | < 1.0
937GW28
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Chromium | NA | 21 | 67.1
Chromium (F) | < 16.800 | 29 | 5.6
937GW01
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Chromium | < 16.800 | 290 | 189
Chromium (F) | NA | 18 | 1.3
937GW11
Analyte | Initial RI
Chromium | 125.743
937GW36
Analyte | Suppl. RI | Jan 1995 Qtr | Jan 1996 Qtr
Chromium | 200 | 8.2 | 5.3
Chromium (F) | 6.4 | 18 | 4.1
937GW02
Analyte | Initial RI
Chromium | 545.545
937GW12
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Chromium | 47 | 36.9
Chromium (F) | 18 | 5.2
937GW26
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Chromium | NA | 5.4 | 8.7
Chromium (F) | 17.100 | 4.4 | 1.2
937GW27
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Chromium | NA | 8.3 | 13.9
Chromium (F) | < 16.800 | 22 | 12.8
Shoreline
LONG
ANDREWS
AVE.
ROAD
Tank
LINCOLN AVE.
EMAN ST
974
973
949
950
951
937
936
935
934
931
930
929
926
923
1278
1259
1279
1280
1268
1253
1234
1211
1236
1238
Build
Stud
Targ
Ran

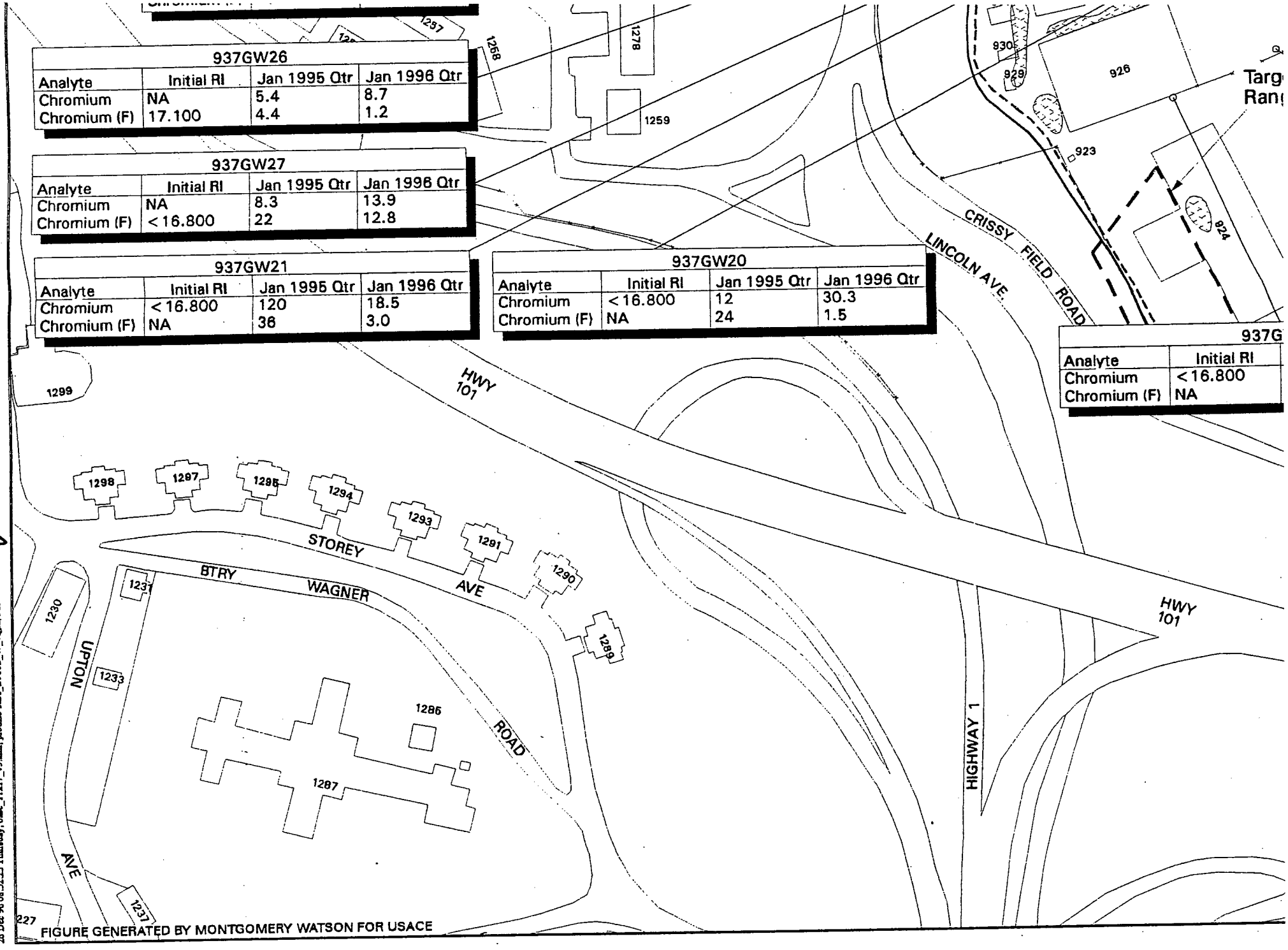
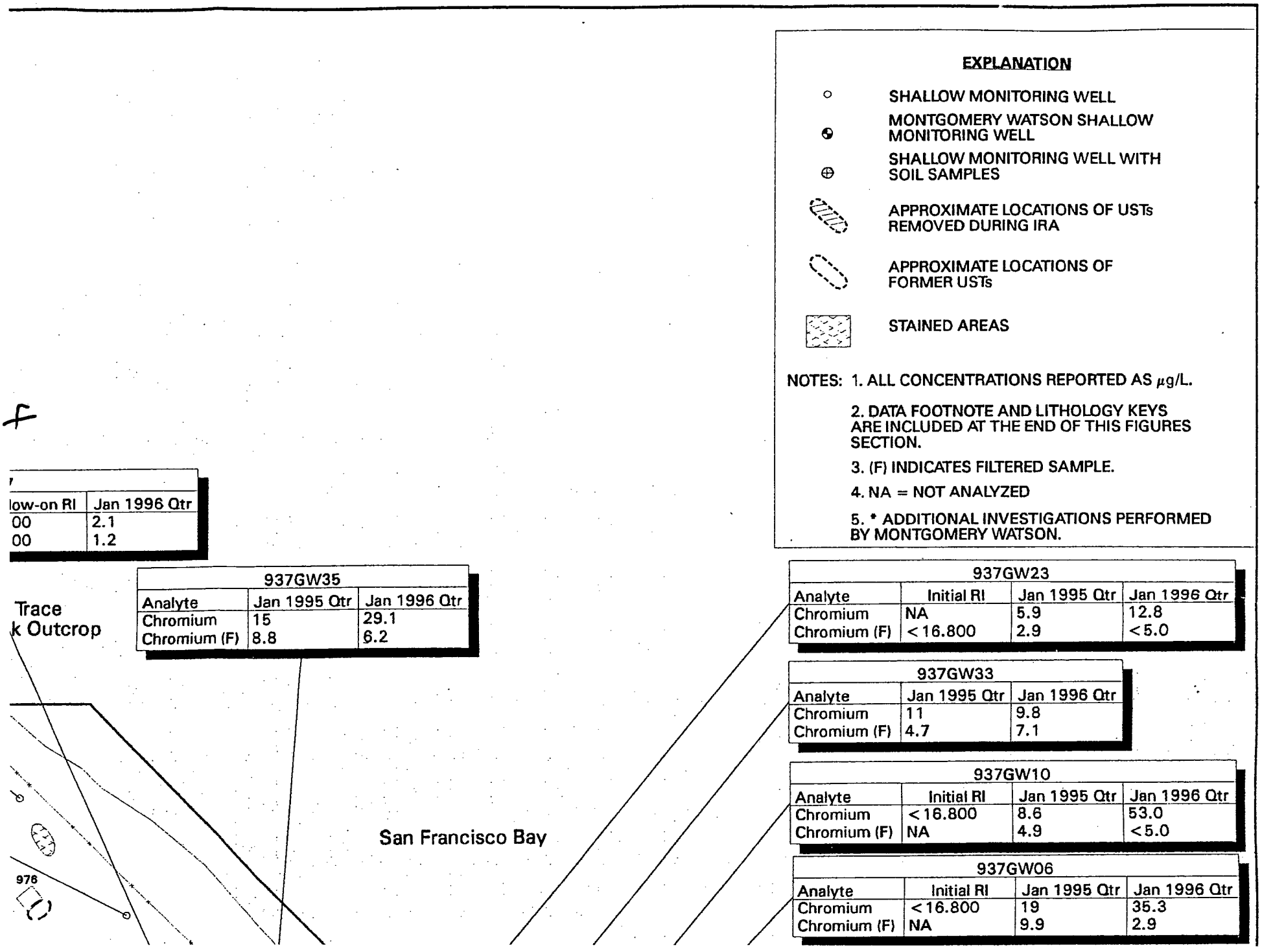
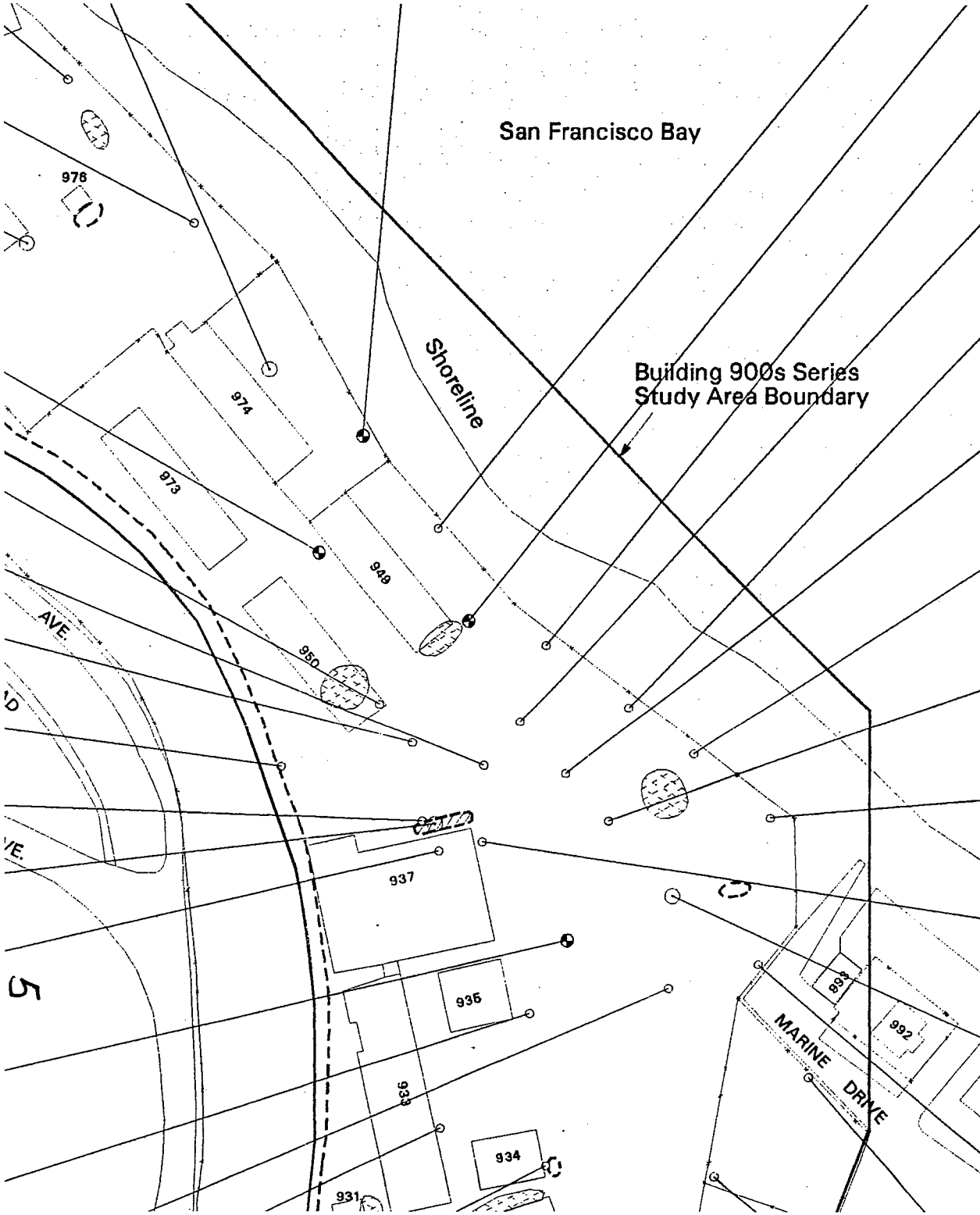


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

3

26 Dec 96 08:52:25 Thursday, base_11x17_v3.aml, plotfile base_B900S_W_7.gra PSF


EXPLANATION
SHALLOW MONITORING WELL
MONTGOMERY WATSON SHALLOW MONITORING WELL
SHALLOW MONITORING WELL WITH SOIL SAMPLES
APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
APPROXIMATE LOCATIONS OF FORMER USTs
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/L.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED
5. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.
937GW35
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Chromium | 15 | 29.1
Chromium (F) | 8.8 | 6.2
937GW23
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Chromium | NA | 5.9 | 12.8
Chromium (F) | < 16.800 | 2.9 | < 5.0
937GW33
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Chromium | 11 | 9.8
Chromium (F) | 4.7 | 7.1
937GW10
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Chromium | < 16.800 | 8.6 | 53.0
Chromium (F) | NA | 4.9 | < 5.0
937GW06
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Chromium | < 16.800 | 19 | 35.3
Chromium (F) | NA | 9.9 | 2.9
low-on RI | Jan 1996 Qtr
00 | 2.1
00 | 1.2
Trace
k Outcrop
San Francisco Bay
976



Chromium (F)	4.7	7.1	

937GW10			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Chromium	< 16.800	8.6	53.0
Chromium (F)	NA	4.9	< 5.0

937GW06			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Chromium	< 16.800	19	35.3
Chromium (F)	NA	9.9	2.9

937GW24			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Chromium	NA	3.2	< 10.0
Chromium (F)	< 16.800	< 4.2 U4	< 1.0

937GW05			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Chromium	< 16.800	62	19.9
Chromium (F)	NA	13	1.6

937GW08			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Chromium	< 16.800	11	24.3
Chromium (F)	NA	2.6	5.1

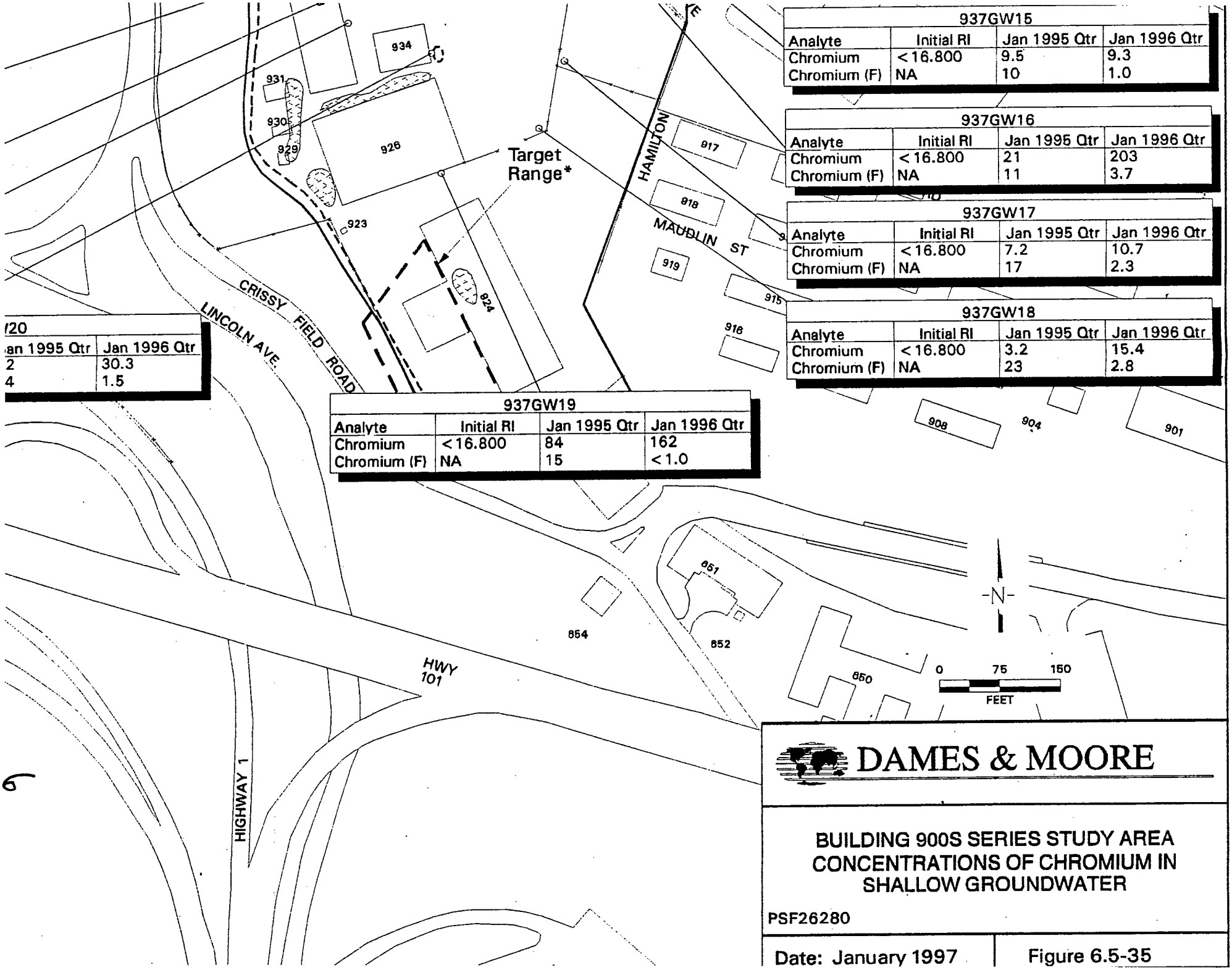
937GW04			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Chromium	< 16.800	14	17.1
Chromium (F)	NA	2.0	1.0

937GW07			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Chromium	< 16.800	36	59.6
Chromium (F)	NA	4.7	3.8

937GW03			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Chromium	< 16.800	11	5.1
Chromium (F)	NA	11	2.0

937GW37			
Analyte	Suppl. RI	Jan 1995 Qtr	Jan 1996 Qtr
Chromium	140	1500	685
Chromium (F)	8.7	12	3.9

937GW15			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Chromium	< 16.800	9.5	9.3
Chromium (F)	NA	10	1.0



937GW15			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Chromium	< 16.800	9.5	9.3
Chromium (F)	NA	10	1.0

937GW16			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Chromium	< 16.800	21	203
Chromium (F)	NA	11	3.7

937GW17			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Chromium	< 16.800	7.2	10.7
Chromium (F)	NA	17	2.3

937GW18			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Chromium	< 16.800	3.2	15.4
Chromium (F)	NA	23	2.8

120		
an 1995 Qtr	Jan 1996 Qtr	
2	30.3	
4	1.5	

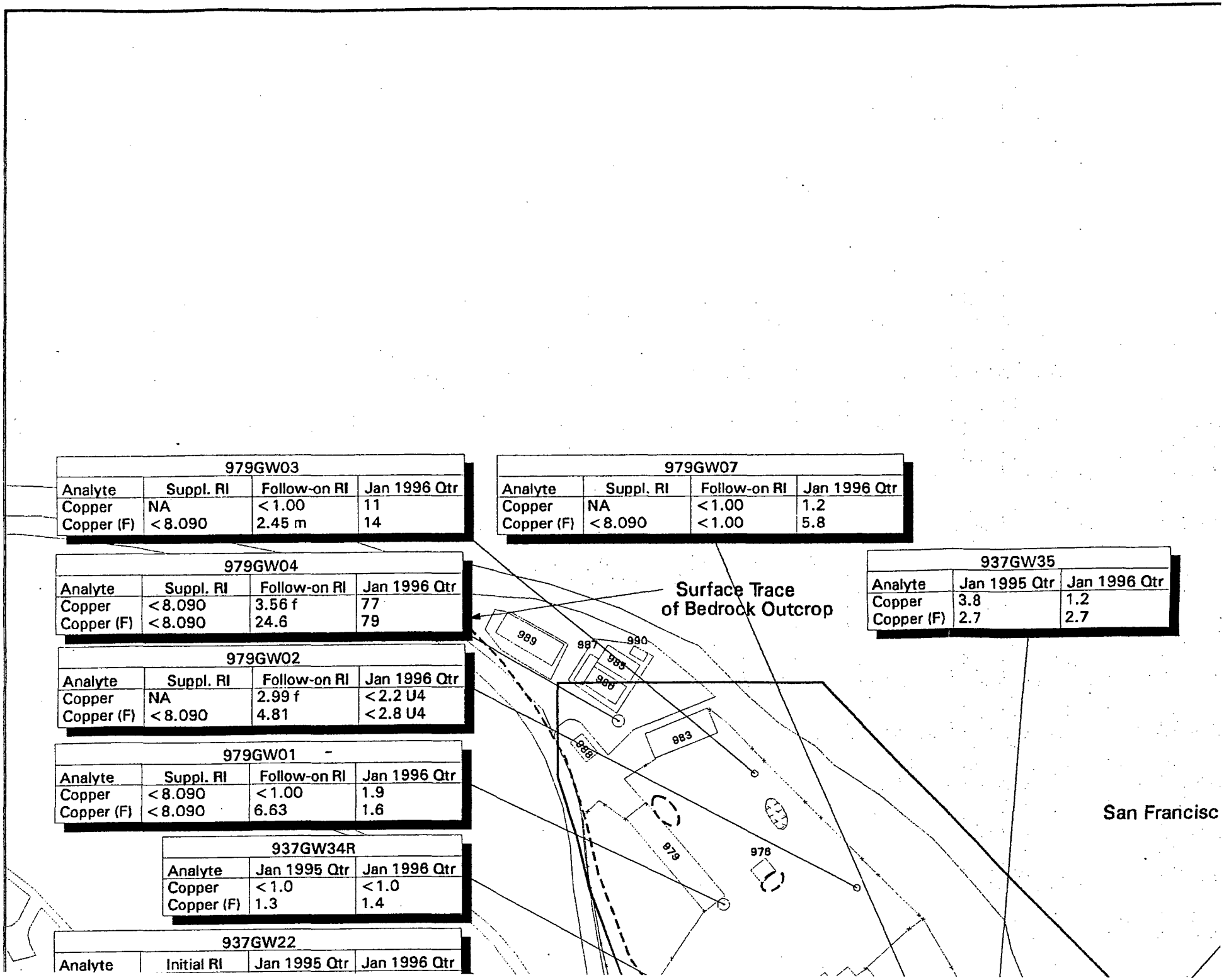
937GW19			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Chromium	< 16.800	84	162
Chromium (F)	NA	15	< 1.0

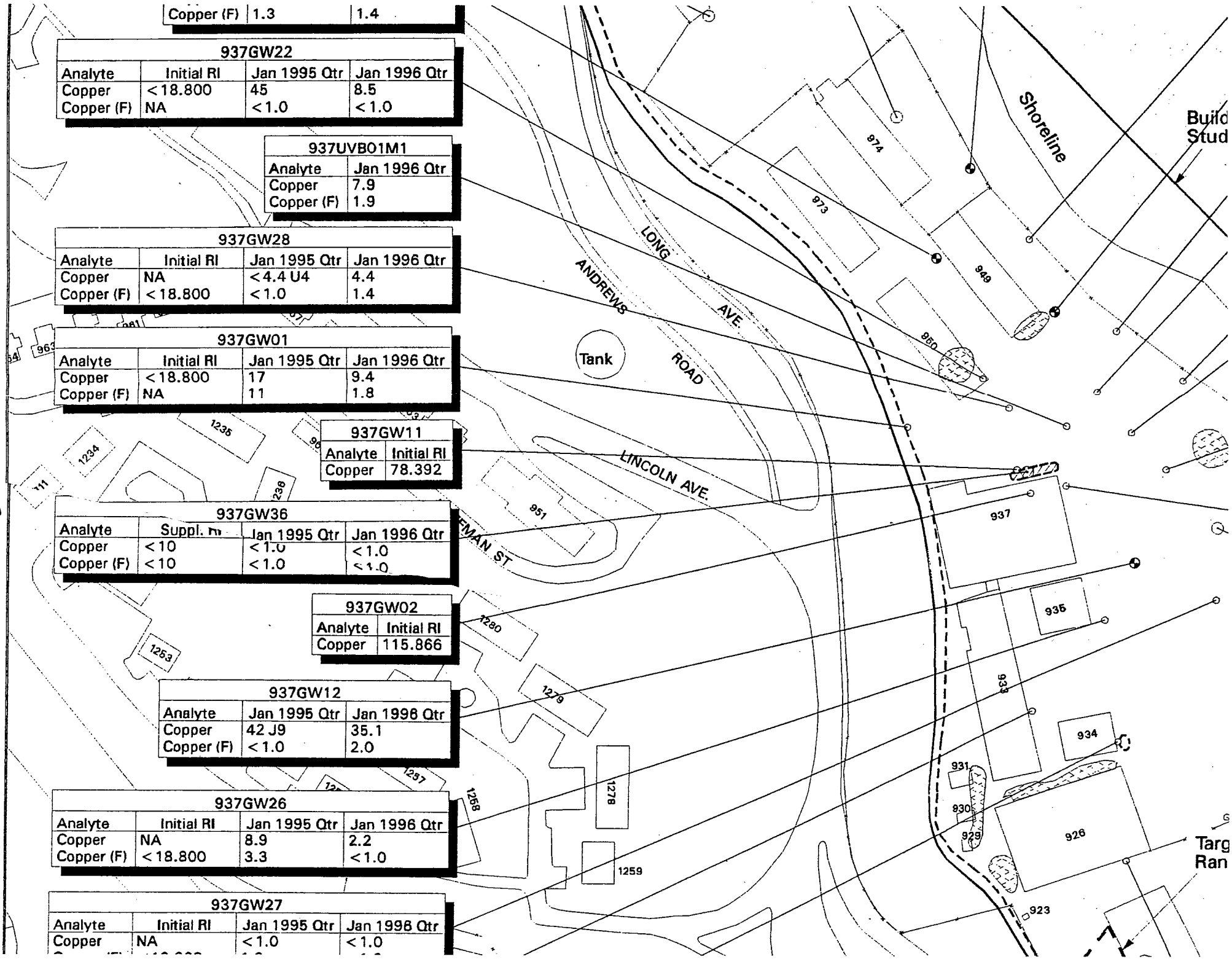
DAMES & MOORE

BUILDING 900S SERIES STUDY AREA
CONCENTRATIONS OF CHROMIUM IN
SHALLOW GROUNDWATER

PSF26280

Date: January 1997 | Figure 6.5-35


979GW03
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Copper | NA | < 1.00 | 11
Copper (F) | < 8.090 | 2.45 m | 14
979GW07
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Copper | NA | < 1.00 | 1.2
Copper (F) | < 8.090 | < 1.00 | 5.8
979GW04
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Copper | < 8.090 | 3.56 f | 77
Copper (F) | < 8.090 | 24.6 | 79
937GW35
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Copper | 3.8 | 1.2
Copper (F) | 2.7 | 2.7
Surface Trace of Bedrock Outcrop
979GW02
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Copper | NA | 2.99 f | < 2.2 U4
Copper (F) | < 8.090 | 4.81 | < 2.8 U4
979GW01
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Copper | < 8.090 | < 1.00 | 1.9
Copper (F) | < 8.090 | 6.63 | 1.6
937GW34R
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Copper | < 1.0 | < 1.0
Copper (F) | 1.3 | 1.4
937GW22
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
989
987
990
985
986
988
983
979
978
San Francisc


Copper (F) | 1.3 | 1.4
937GW22
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Copper | <18.800 | 45 | 8.5
Copper (F) | NA | <1.0 | <1.0
937UVB01M1
Analyte | Jan 1996 Qtr
Copper | 7.9
Copper (F) | 1.9
937GW28
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Copper | NA | <4.4 U4 | 4.4
Copper (F) | <18.800 | <1.0 | 1.4
937GW01
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Copper | <18.800 | 17 | 9.4
Copper (F) | NA | 11 | 1.8
937GW11
Analyte | Initial RI
Copper | 78.392
937GW36
Analyte | Suppl. RI | Jan 1995 Qtr | Jan 1996 Qtr
Copper | <10 | <1.0 | <1.0
Copper (F) | <10 | <1.0 | <1.0
937GW02
Analyte | Initial RI
Copper | 115.866
937GW12
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Copper | 42 J9 | 35.1
Copper (F) | <1.0 | 2.0
937GW26
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Copper | NA | 8.9 | 2.2
Copper (F) | <18.800 | 3.3 | <1.0
937GW27
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Copper | NA | <1.0 | <1.0
Shoreline
Build
Stud
974
973
949
960
LONG
ANDREWS
AVE.
ROAD
Tank
LINCOLN AVE.
937
935
933
934
931
930
929
926
923
1235
1234
1238
951
1280
1253
1279
1257
1258
1278
1259
Targ
Ran

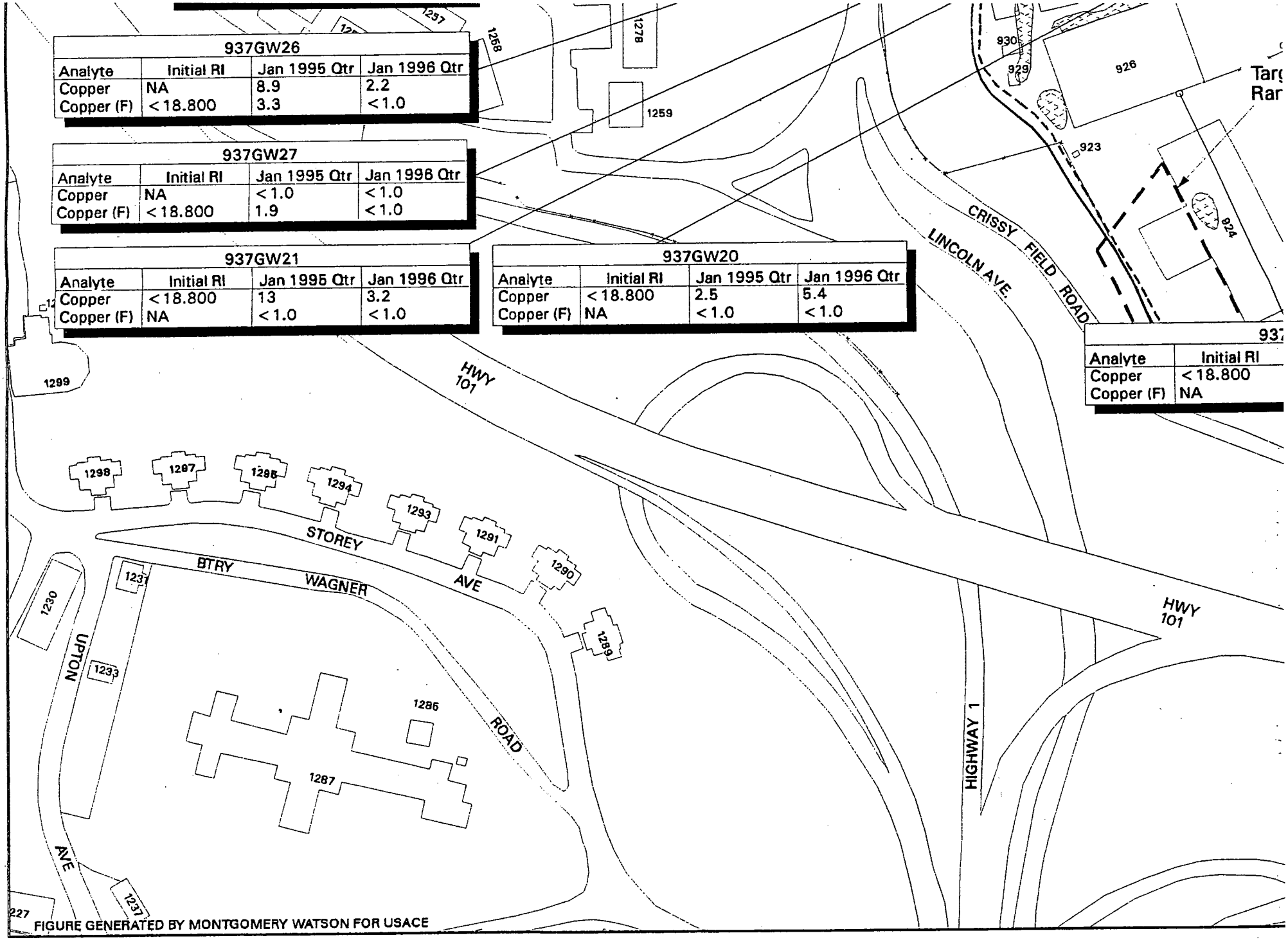
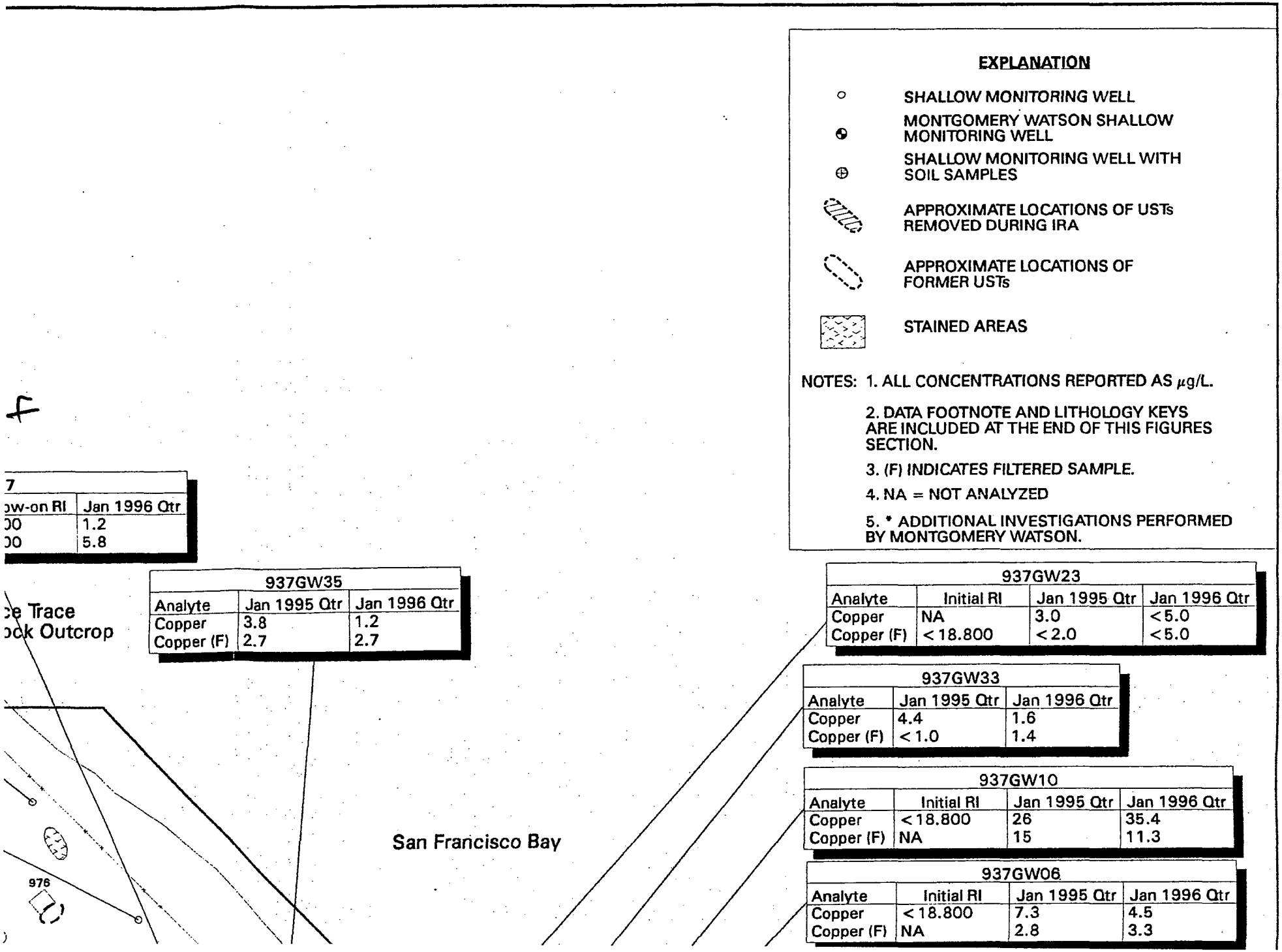
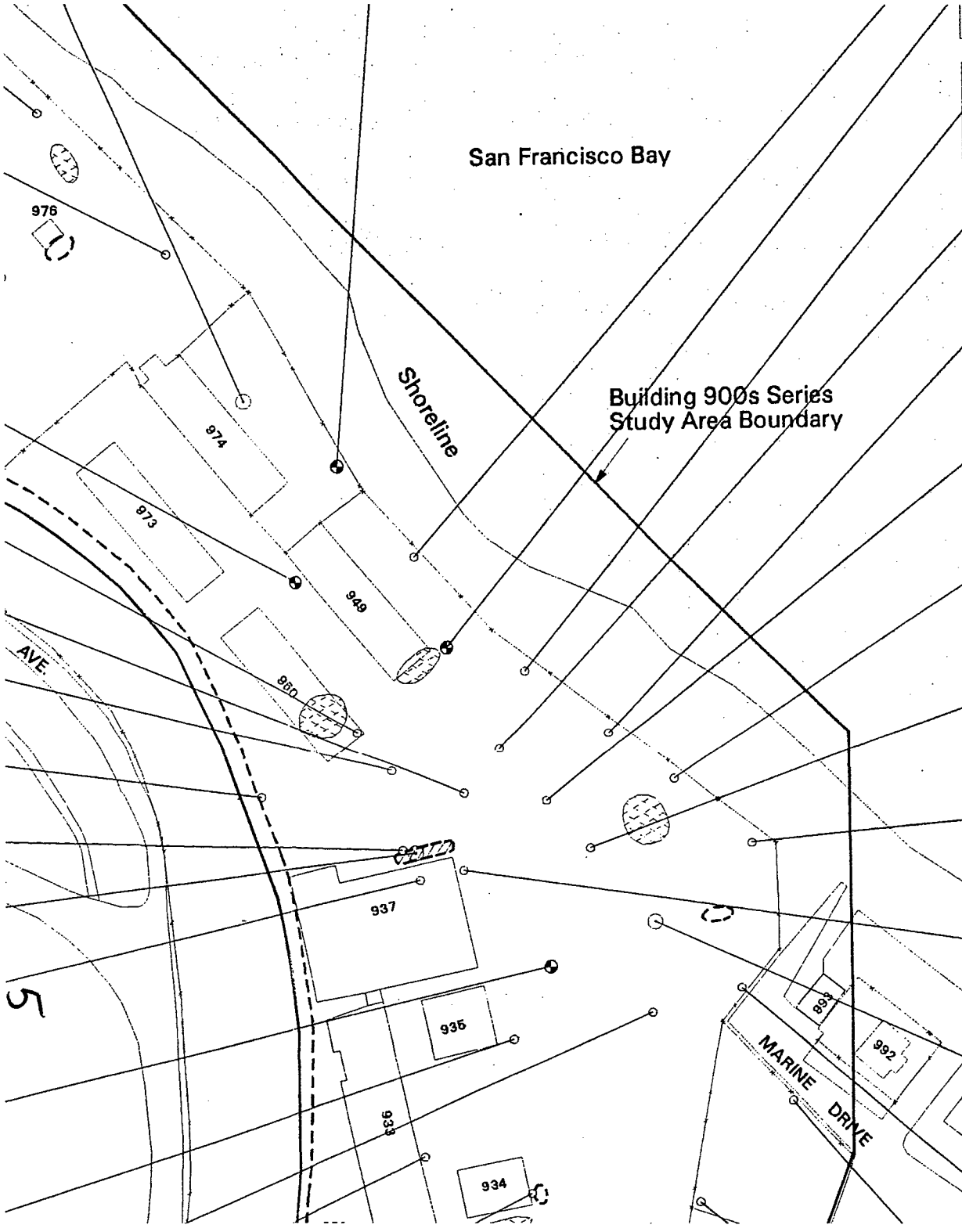


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

3

26 Dec 96 08:54:46 Thursday, base_11x17_v3.mxd, plotfile base_B900S_W_9.grn_PSF


EXPLANATION
SHALLOW MONITORING WELL
MONTGOMERY WATSON SHALLOW MONITORING WELL
SHALLOW MONITORING WELL WITH SOIL SAMPLES
APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
APPROXIMATE LOCATIONS OF FORMER USTs
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/L.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED
5. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.
7
ow-on RI | Jan 1996 Qtr
00 | 1.2
00 | 5.8
937GW35
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Copper | 3.8 | 1.2
Copper (F) | 2.7 | 2.7
ce Trace
ock Outcrop
San Francisco Bay
976
937GW23
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Copper | NA | 3.0 | < 5.0
Copper (F) | < 18.800 | < 2.0 | < 5.0
937GW33
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Copper | 4.4 | 1.6
Copper (F) | < 1.0 | 1.4
937GW10
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Copper | < 18.800 | 26 | 35.4
Copper (F) | NA | 15 | 11.3
937GW06
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Copper | < 18.800 | 7.3 | 4.5
Copper (F) | NA | 2.8 | 3.3



Copper (F)	< 1.0	1.4

937GW10			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Copper	< 18.800	26	35.4
Copper (F)	NA	15	11.3

937GW06			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Copper	< 18.800	7.3	4.5
Copper (F)	NA	2.8	3.3

937GW24			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Copper	NA	4.3	6.2
Copper (F)	21.200	< 5.7 U4	5.8

937GW05			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Copper	< 18.800	6.6	17.6
Copper (F)	NA	2.9	4.4

937GW08			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Copper	< 18.800	6.3	< 5.0
Copper (F)	NA	11	< 5.0

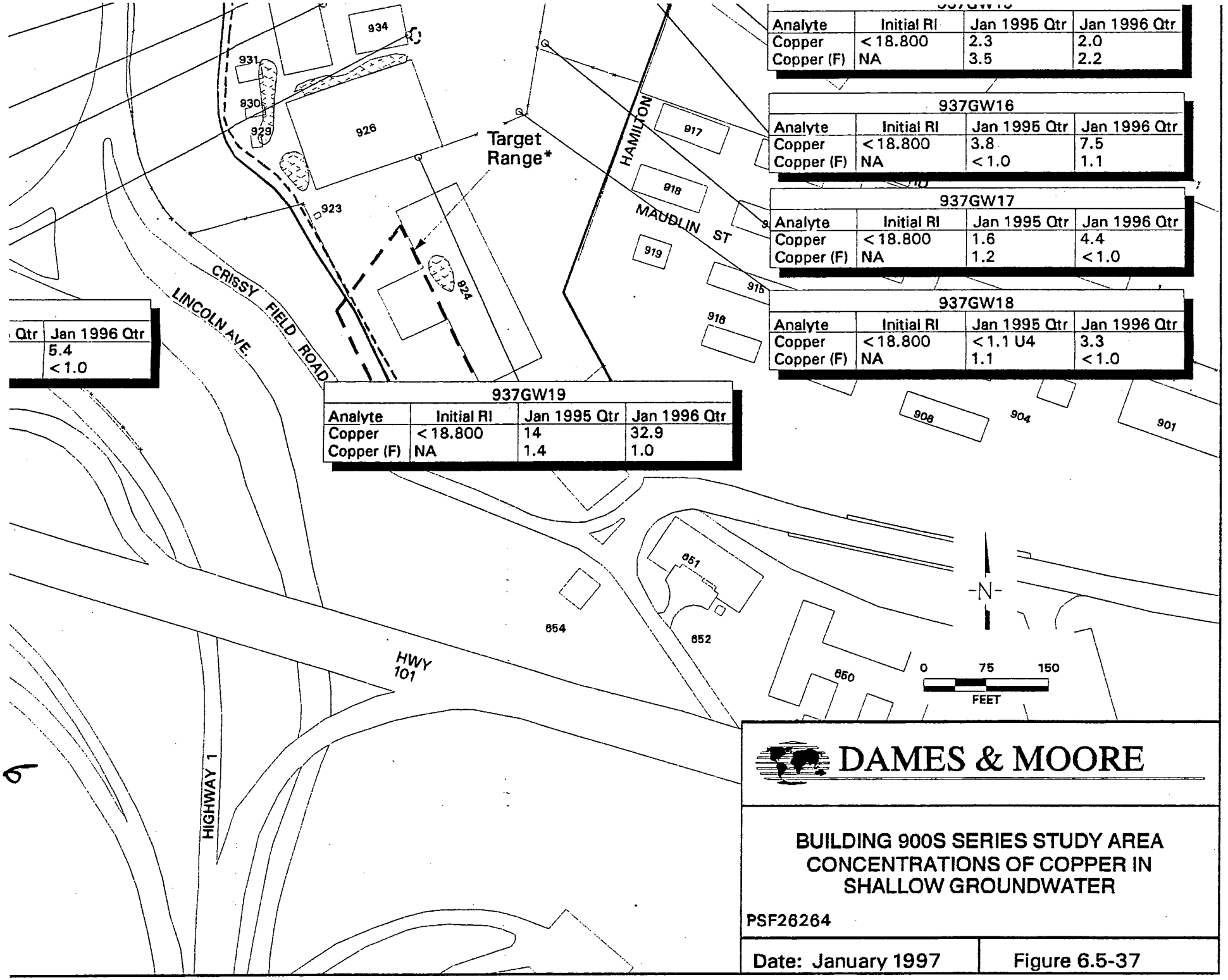
937GW04			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Copper	< 18.800	5.2	4.0
Copper (F)	NA	3.4	1.6

937GW07			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Copper	< 18.800	7.6	10.0
Copper (F)	NA	8.0	2.7

937GW03			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Copper	< 18.800	1.6	< 1.0
Copper (F)	NA	< 1.0	< 1.0

937GW37			
Analyte	Suppl. RI	Jan 1995 Qtr	Jan 1996 Qtr
Copper	10	8.8 J9	9.1
Copper (F)	< 10	3.1	2.2

937GW15			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Copper	< 18.800	2.3	2.0
Copper (F)	NA	3.5	2.2



Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Copper	< 18.800	2.3	2.0
Copper (F)	NA	3.5	2.2

937GW16			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Copper	< 18.800	3.8	7.5
Copper (F)	NA	< 1.0	1.1

937GW17			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Copper	< 18.800	1.6	4.4
Copper (F)	NA	1.2	< 1.0

937GW18			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Copper	< 18.800	< 1.1 U4	3.3
Copper (F)	NA	1.1	< 1.0

Qtr	Jan 1996 Qtr
	5.4
	< 1.0

937GW19			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Copper	< 18.800	14	32.9
Copper (F)	NA	1.4	1.0

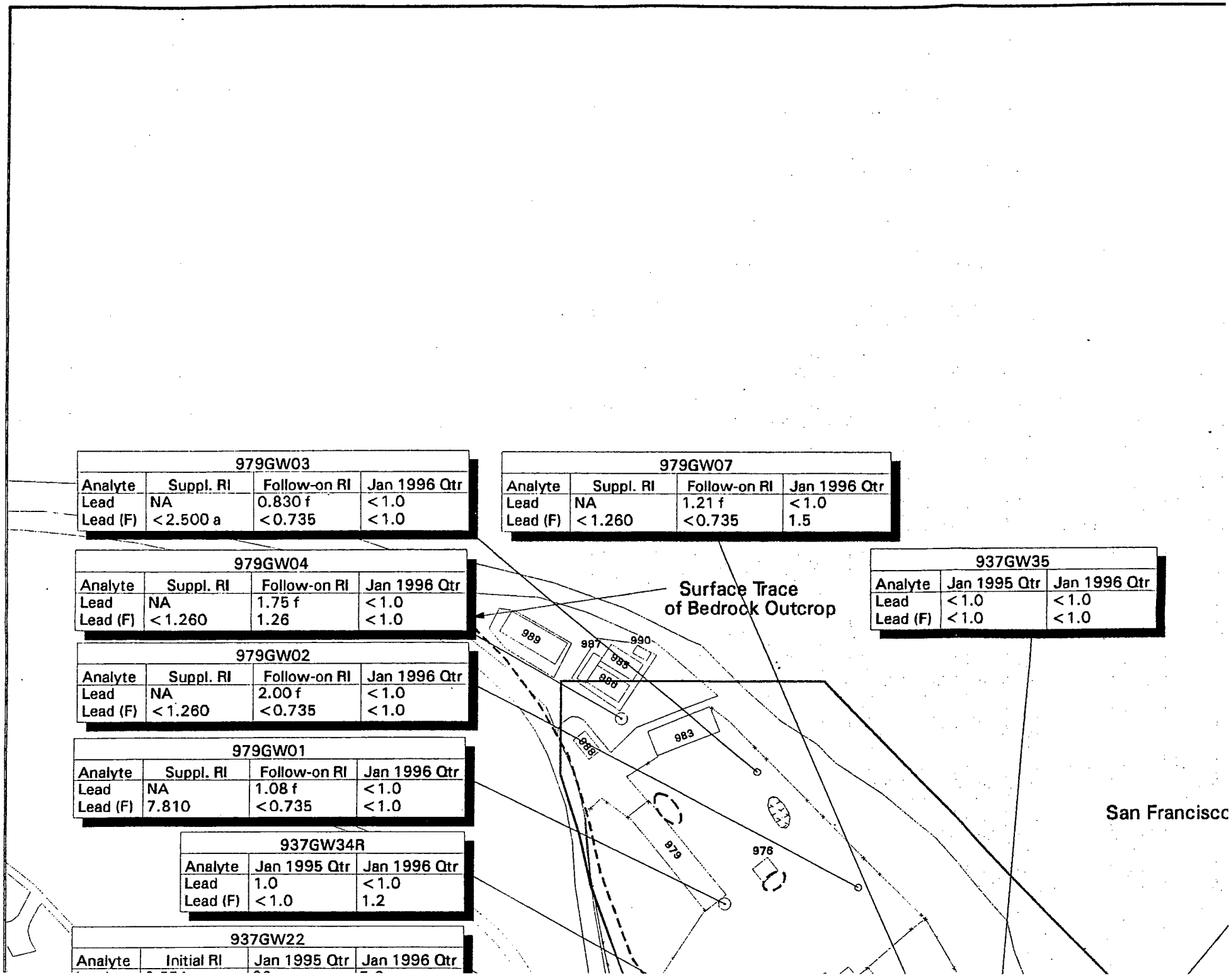
DAMES & MOORE

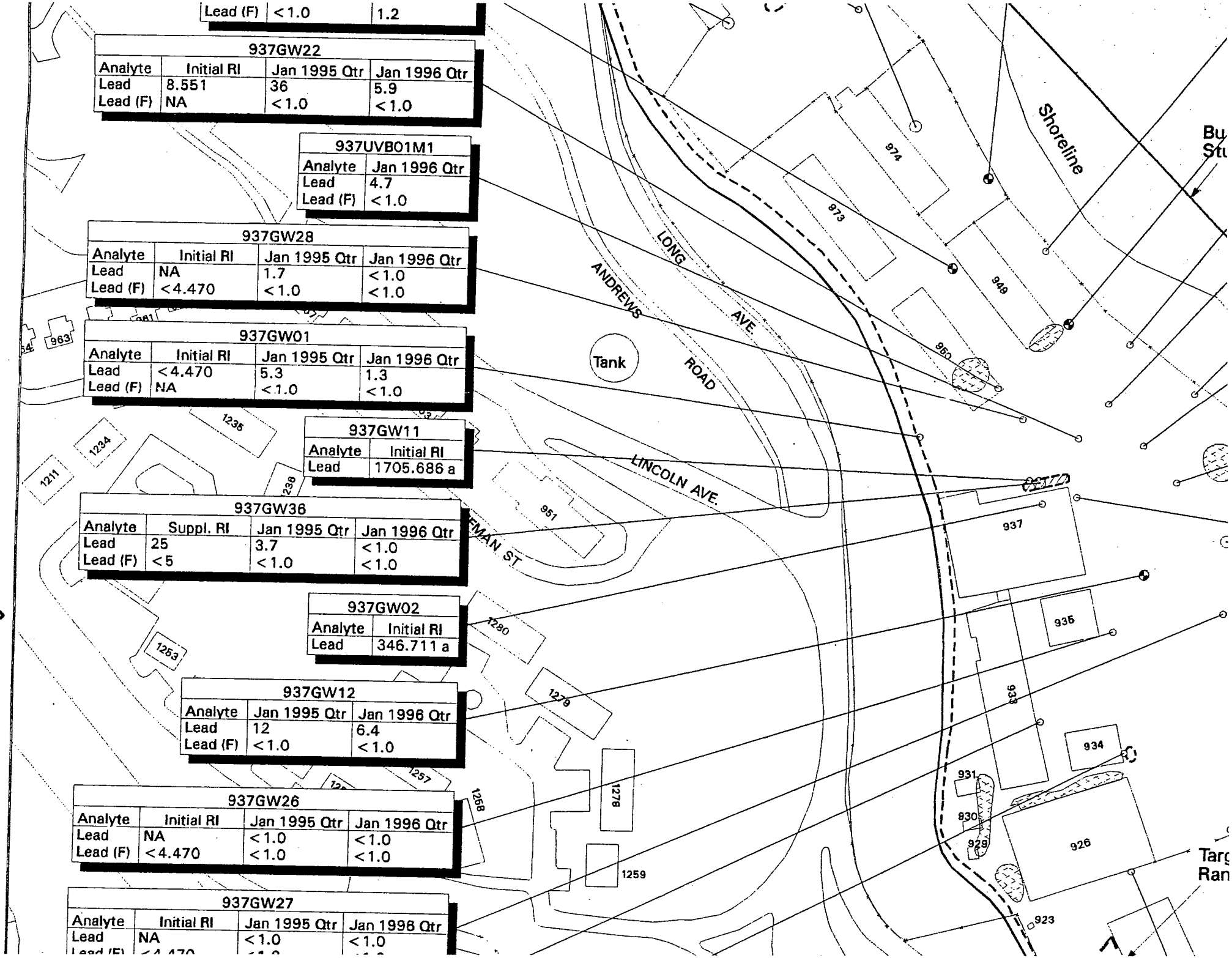
BUILDING 900S SERIES STUDY AREA CONCENTRATIONS OF COPPER IN SHALLOW GROUNDWATER

PSF26264

Date: January 1997

Figure 6.5-37


979GW03
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Lead | NA | 0.830 f | < 1.0
Lead (F) | < 2.500 a | < 0.735 | < 1.0
979GW07
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Lead | NA | 1.21 f | < 1.0
Lead (F) | < 1.260 | < 0.735 | 1.5
979GW04
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Lead | NA | 1.75 f | < 1.0
Lead (F) | < 1.260 | 1.26 | < 1.0
937GW35
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Lead | < 1.0 | < 1.0
Lead (F) | < 1.0 | < 1.0
Surface Trace of Bedrock Outcrop
979GW02
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Lead | NA | 2.00 f | < 1.0
Lead (F) | < 1.260 | < 0.735 | < 1.0
979GW01
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Lead | NA | 1.08 f | < 1.0
Lead (F) | 7.810 | < 0.735 | < 1.0
937GW34R
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Lead | 1.0 | < 1.0
Lead (F) | < 1.0 | 1.2
937GW22
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
989
987
990
985
986
988
983
979
976
San Francisco


Lead (F) | <1.0 | 1.2
937GW22
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Lead | 8.551 | 36 | 5.9
Lead (F) | NA | <1.0 | <1.0
937UVB01M1
Analyte | Jan 1996 Qtr
Lead | 4.7
Lead (F) | <1.0
937GW28
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Lead | NA | 1.7 | <1.0
Lead (F) | <4.470 | <1.0 | <1.0
937GW01
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Lead | <4.470 | 5.3 | 1.3
Lead (F) | NA | <1.0 | <1.0
937GW11
Analyte | Initial RI
Lead | 1705.686 a
937GW36
Analyte | Suppl. RI | Jan 1995 Qtr | Jan 1996 Qtr
Lead | 25 | 3.7 | <1.0
Lead (F) | <5 | <1.0 | <1.0
937GW02
Analyte | Initial RI
Lead | 346.711 a
937GW12
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Lead | 12 | 6.4
Lead (F) | <1.0 | <1.0
937GW26
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Lead | NA | <1.0 | <1.0
Lead (F) | <4.470 | <1.0 | <1.0
937GW27
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Lead | NA | <1.0 | <1.0
Shoreline
LONG
ANDREWS
AVE.
ROAD
Tank
LINCOLN AVE.
963
1235
1234
1211
238
951
1280
1253
1279
1257
1268
1278
1259
974
973
949
950
937
935
933
934
931
930
929
926
923

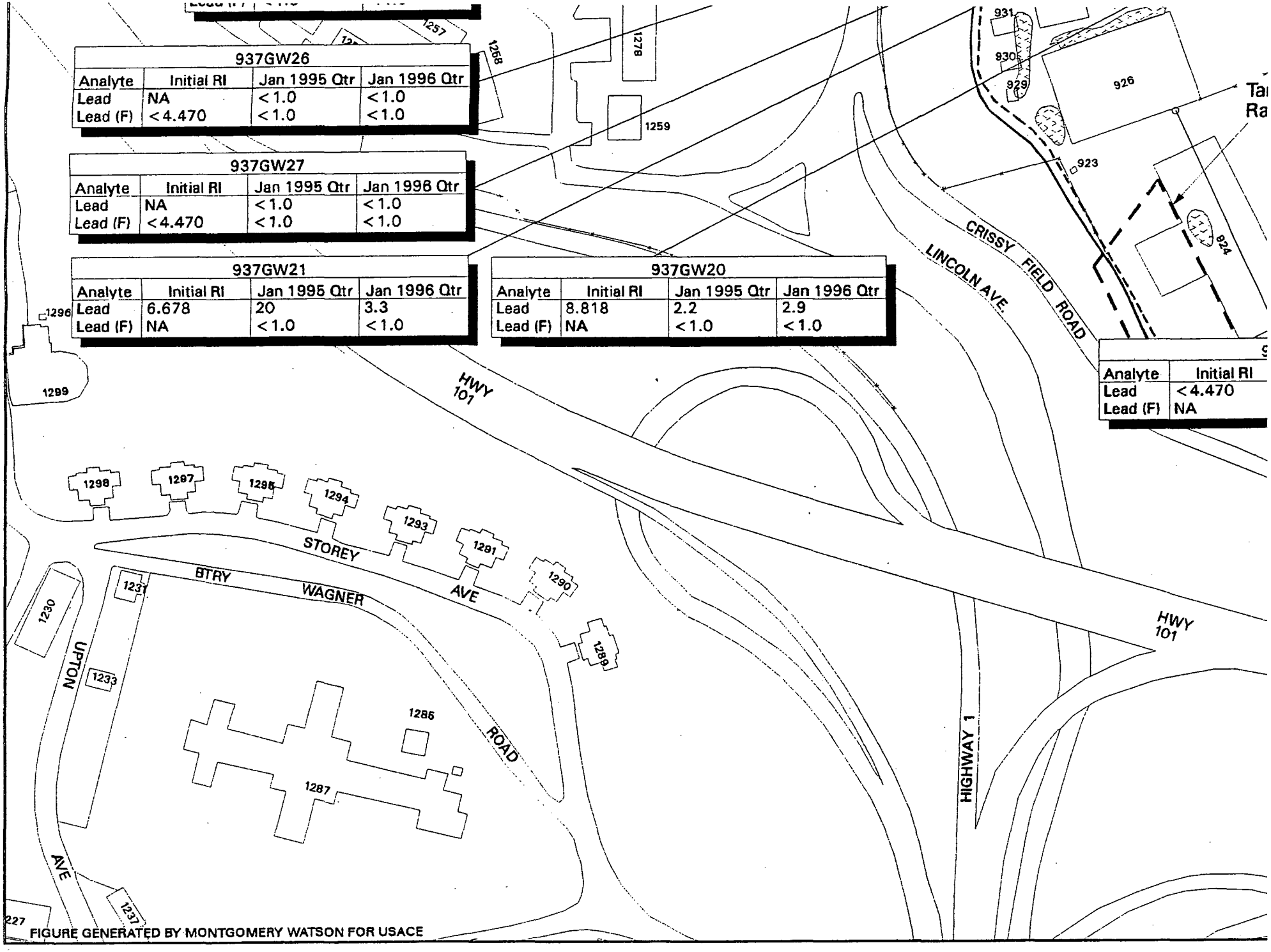
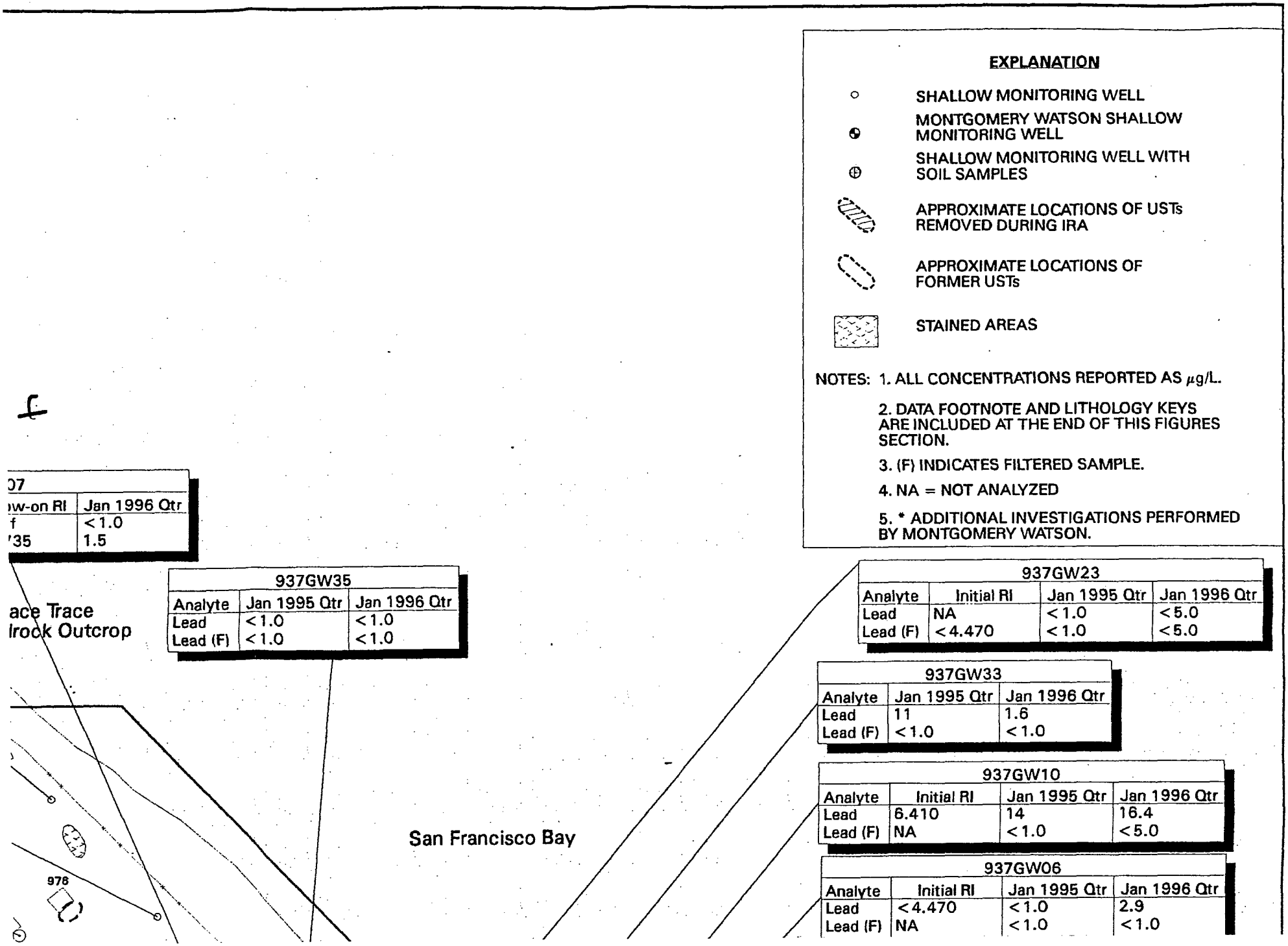


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

3

26 Dec 96 08:57:12 Thursday, base_11x17_v3.aml, plotfile base_B900S_W_12.grn, PSP



07	
w-on RI	Jan 1996 Qtr
f	<1.0
'35	1.5

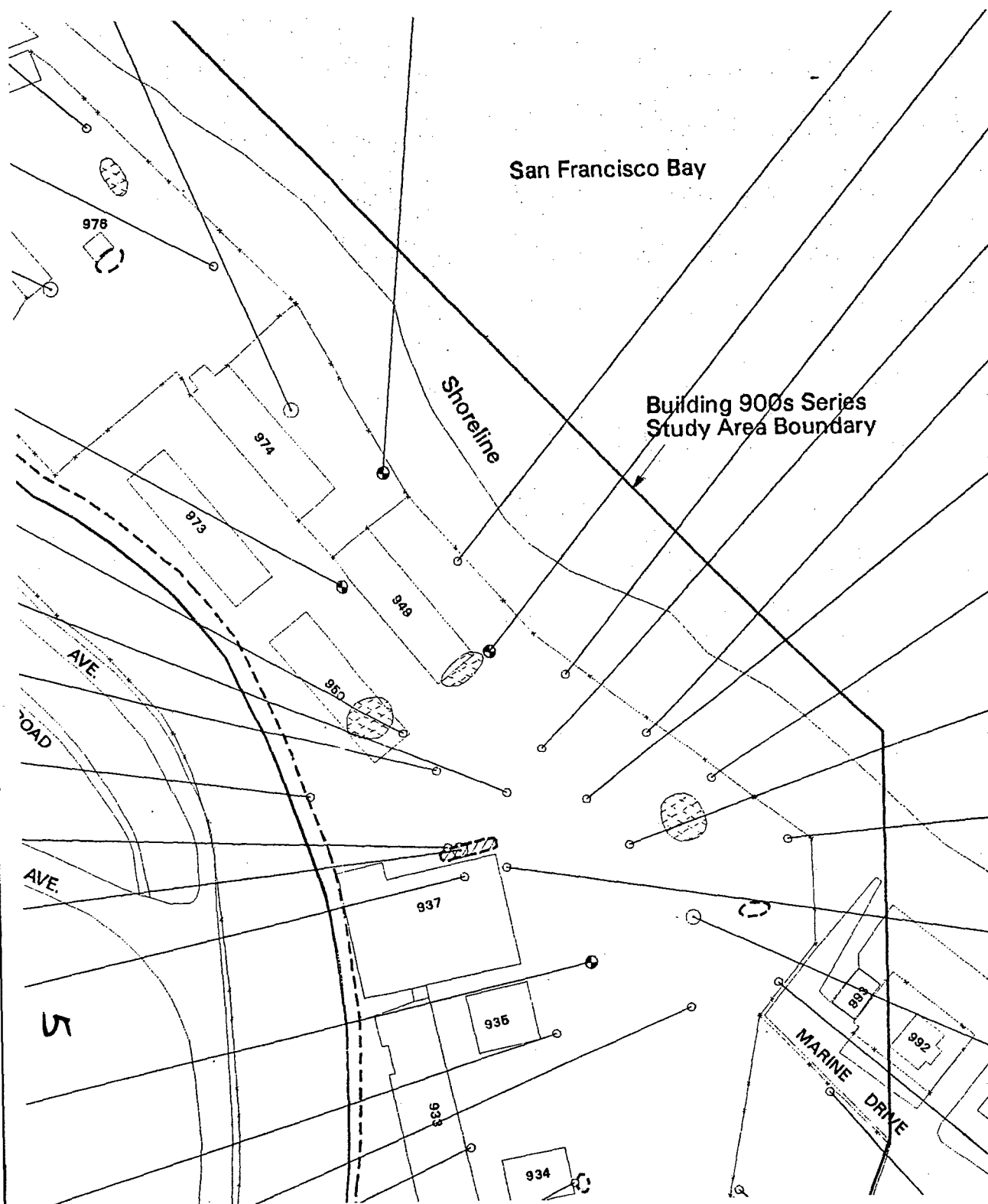
937GW35		
Analyte	Jan 1995 Qtr	Jan 1996 Qtr
Lead	<1.0	<1.0
Lead (F)	<1.0	<1.0

937GW23			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Lead	NA	<1.0	<5.0
Lead (F)	<4.470	<1.0	<5.0

937GW33		
Analyte	Jan 1995 Qtr	Jan 1996 Qtr
Lead	11	1.6
Lead (F)	<1.0	<1.0

937GW10			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Lead	6.410	14	16.4
Lead (F)	NA	<1.0	<5.0

937GW06			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Lead	<4.470	<1.0	2.9
Lead (F)	NA	<1.0	<1.0



Lead	11	1.6
Lead (F)	<1.0	<1.0

937GW10			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Lead	6.410	14	16.4
Lead (F)	NA	<1.0	<5.0

937GW06			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Lead	<4.470	<1.0	2.9
Lead (F)	NA	<1.0	<1.0

937GW24			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Lead	NA	3.4	<5.0
Lead (F)	<4.470	<1.0	<5.0

937GW05			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Lead	<4.470	5.5	1.6
Lead (F)	NA	<1.0	<1.0

937GW08			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Lead	6.678	3.3	<5.0
Lead (F)	NA	<1.0	<5.0

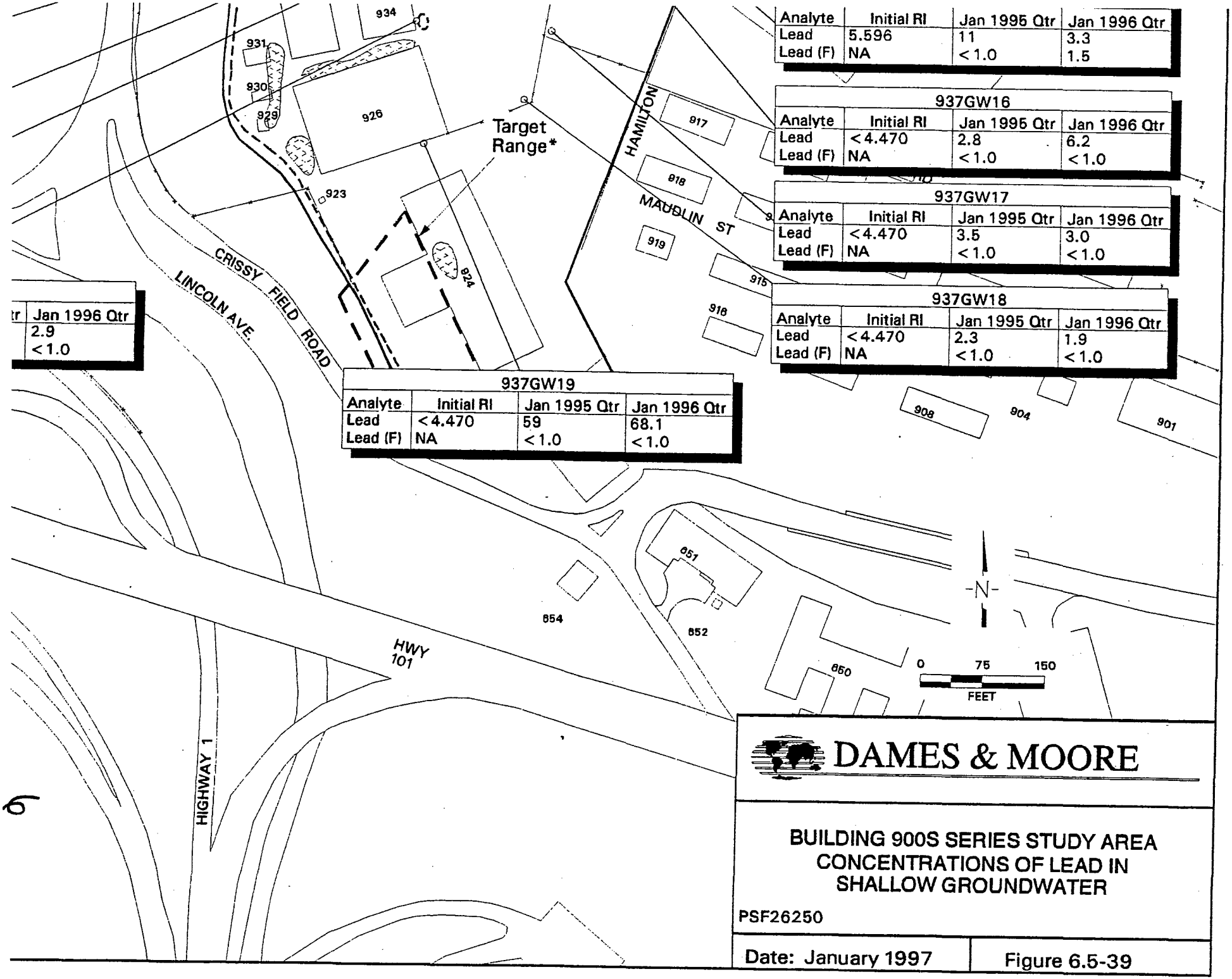
937GW04			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Lead	6.132	2.6	2.6
Lead (F)	NA	<1.0	<1.0

937GW07			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Lead	5.864	74	64.2
Lead (F)	NA	<1.0	<1.0

937GW03			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Lead	<4.470	5.8	8.4
Lead (F)	NA	<1.0	<1.0

937GW37			
Analyte	Suppl. RI	Jan 1995 Qtr	Jan 1996 Qtr
Lead	<5	3.3	7.1
Lead (F)	<5	<1.0	<1.0

937GW15			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Lead	5.596	11	3.3



Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Lead	5.596	11	3.3
Lead (F)	NA	< 1.0	1.5

937GW16			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Lead	< 4.470	2.8	6.2
Lead (F)	NA	< 1.0	< 1.0

937GW17			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Lead	< 4.470	3.5	3.0
Lead (F)	NA	< 1.0	< 1.0

937GW18			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Lead	< 4.470	2.3	1.9
Lead (F)	NA	< 1.0	< 1.0

937GW19			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Lead	< 4.470	59	68.1
Lead (F)	NA	< 1.0	< 1.0

tr	Jan 1996 Qtr
	2.9
	< 1.0

DAMES & MOORE

BUILDING 900S SERIES STUDY AREA
CONCENTRATIONS OF LEAD IN
SHALLOW GROUNDWATER

PSF26250

Date: January 1997

Figure 6.5-39

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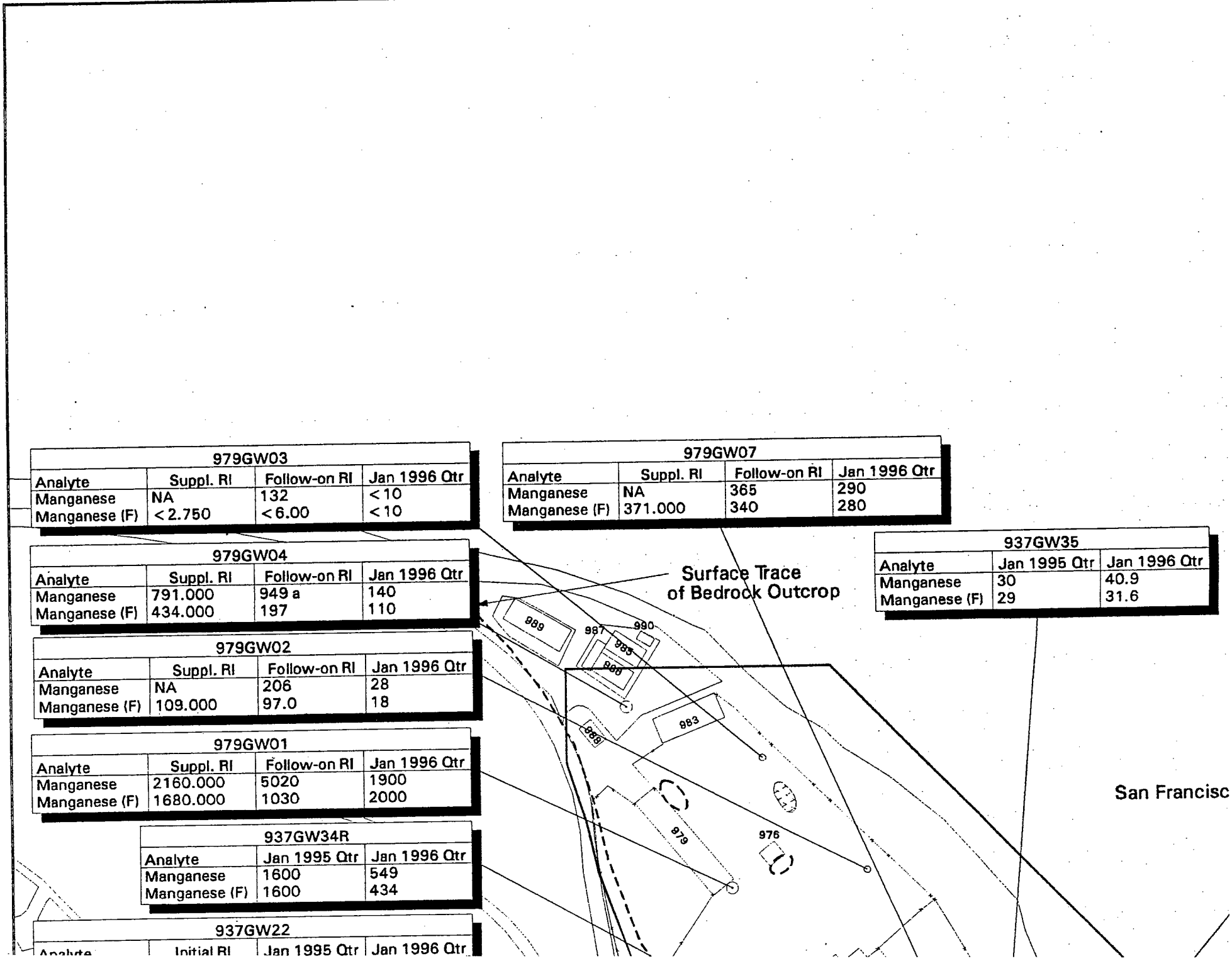
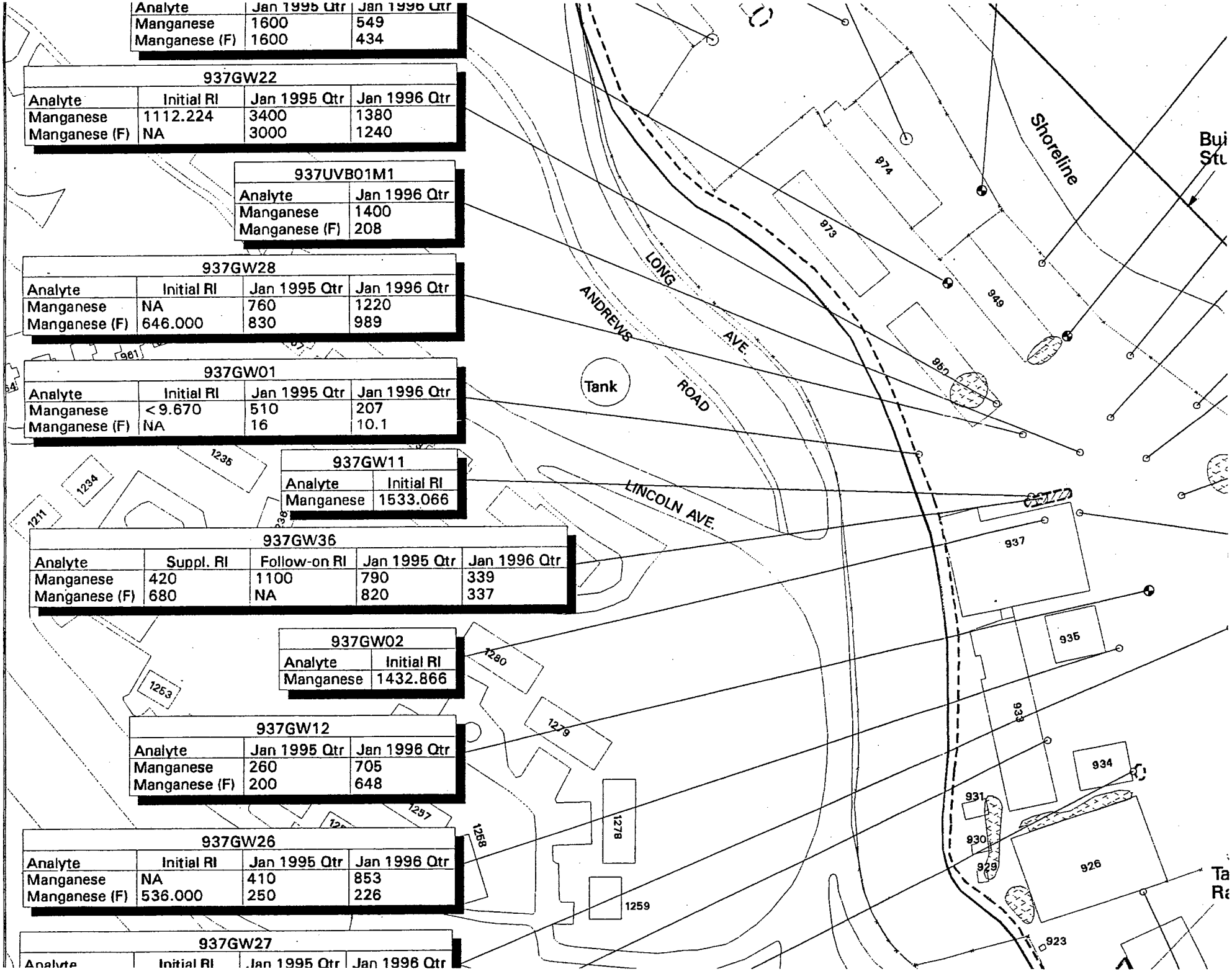

979GW03
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Manganese | NA | 132 | < 10
Manganese (F) | < 2.750 | < 6.00 | < 10
979GW07
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Manganese | NA | 365 | 290
Manganese (F) | 371.000 | 340 | 280
937GW35
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Manganese | 30 | 40.9
Manganese (F) | 29 | 31.6
979GW04
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Manganese | 791.000 | 949 a | 140
Manganese (F) | 434.000 | 197 | 110
Surface Trace of Bedrock Outcrop
979GW02
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Manganese | NA | 206 | 28
Manganese (F) | 109.000 | 97.0 | 18
979GW01
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Manganese | 2160.000 | 5020 | 1900
Manganese (F) | 1680.000 | 1030 | 2000
937GW34R
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Manganese | 1600 | 549
Manganese (F) | 1600 | 434
937GW22
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
989
987
990
985
986
983
988
979
975
San Francisc


Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Manganese | 1600 | 549
Manganese (F) | 1600 | 434
937GW22
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Manganese | 1112.224 | 3400 | 1380
Manganese (F) | NA | 3000 | 1240
937UVB01M1
Analyte | Jan 1996 Qtr
Manganese | 1400
Manganese (F) | 208
937GW28
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Manganese | NA | 760 | 1220
Manganese (F) | 646.000 | 830 | 989
937GW01
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Manganese | < 9.670 | 510 | 207
Manganese (F) | NA | 16 | 10.1
937GW11
Analyte | Initial RI
Manganese | 1533.066
937GW36
Analyte | Suppl. RI | Follow-on RI | Jan 1995 Qtr | Jan 1996 Qtr
Manganese | 420 | 1100 | 790 | 339
Manganese (F) | 680 | NA | 820 | 337
937GW02
Analyte | Initial RI
Manganese | 1432.866
937GW12
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Manganese | 260 | 705
Manganese (F) | 200 | 648
937GW26
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Manganese | NA | 410 | 853
Manganese (F) | 536.000 | 250 | 226
937GW27
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Shoreline
LONG
ANDREWS
AVE.
ROAD
Tank
LINCOLN AVE.
974
973
949
950
961
1235
1234
1211
1253
1280
1279
1278
1259
1257
1258
937
935
933
934
931
930
929
926
923

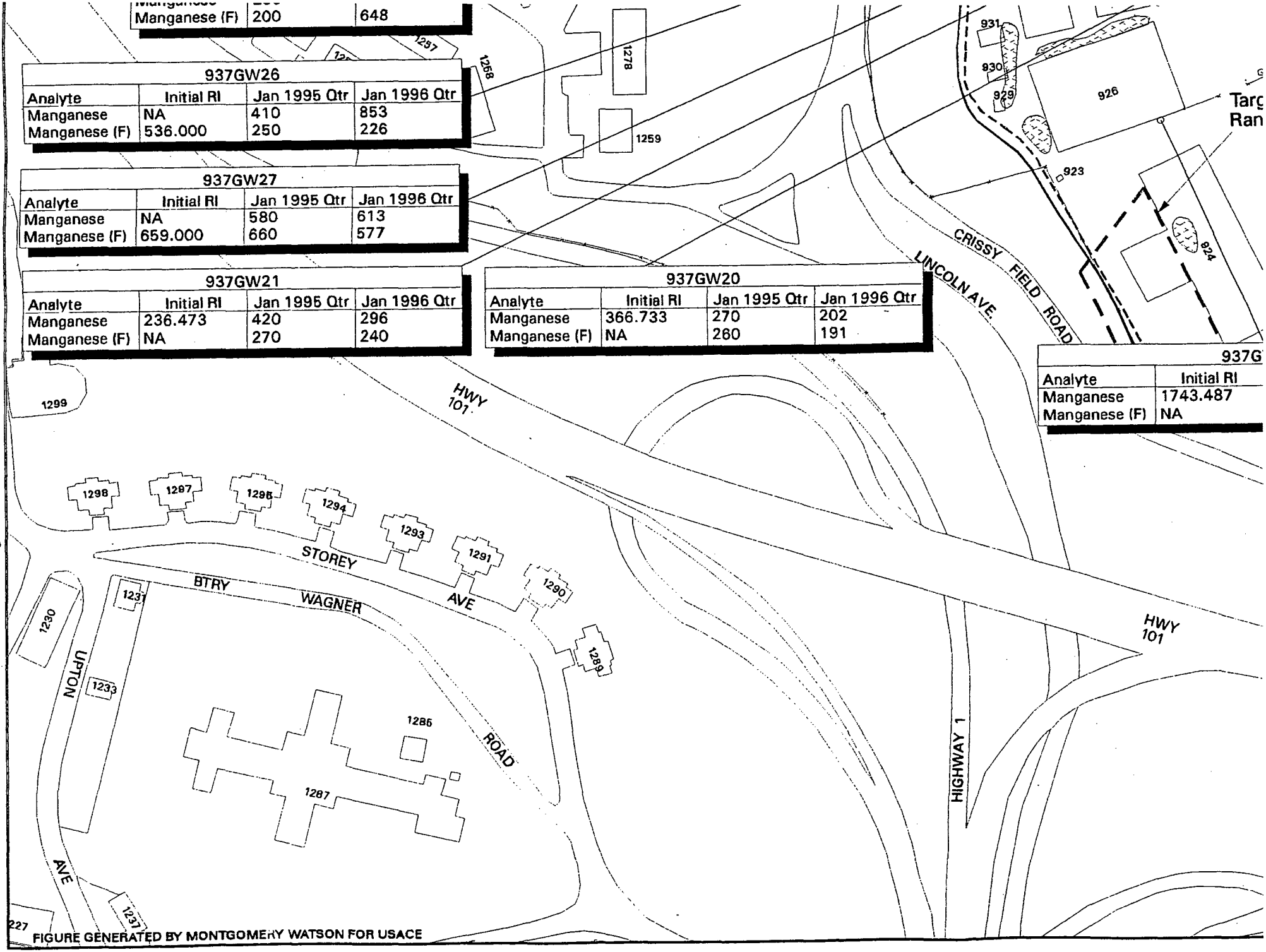
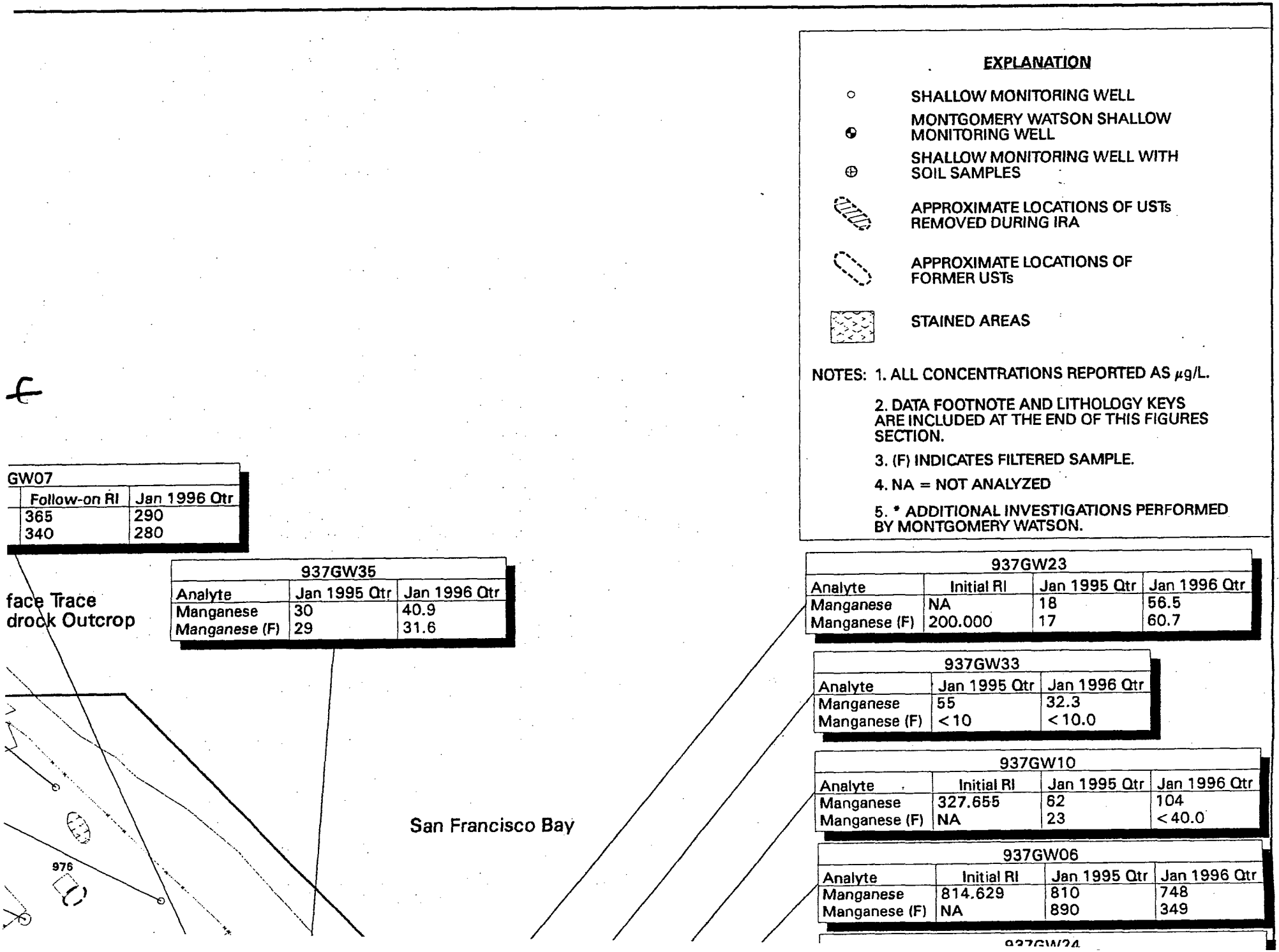
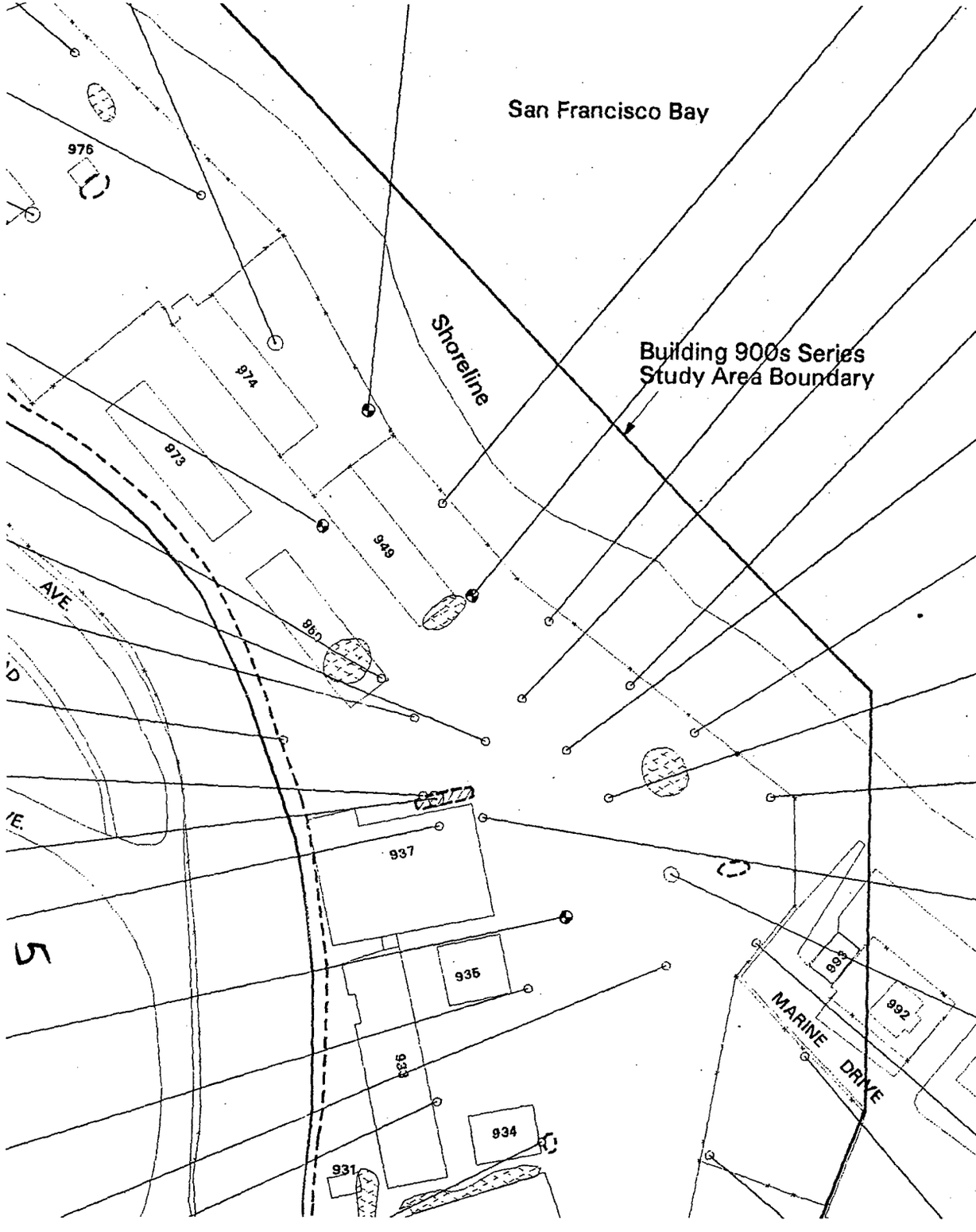


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

3

26 Dec 96 08:59:36 Thursday, base_11x17_v3.aml, plotfile base_B900S_W_14.grn, PSF


EXPLANATION
SHALLOW MONITORING WELL
MONTGOMERY WATSON SHALLOW MONITORING WELL
SHALLOW MONITORING WELL WITH SOIL SAMPLES
APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
APPROXIMATE LOCATIONS OF FORMER USTs
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/L.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED
5. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.
GW07
Follow-on RI | Jan 1996 Qtr
365 | 290
340 | 280
937GW35
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Manganese | 30 | 40.9
Manganese (F) | 29 | 31.6
face Trace
drock Outcrop
San Francisco Bay
976
937GW23
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Manganese | NA | 18 | 56.5
Manganese (F) | 200.000 | 17 | 60.7
937GW33
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Manganese | 55 | 32.3
Manganese (F) | < 10 | < 10.0
937GW10
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Manganese | 327.655 | 62 | 104
Manganese (F) | NA | 23 | < 40.0
937GW06
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Manganese | 814.629 | 810 | 748
Manganese (F) | NA | 890 | 349



937GW10			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Manganese	327.655	62	104
Manganese (F)	NA	23	< 40.0

937GW06			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Manganese	814.629	810	748
Manganese (F)	NA	890	349

937GW24			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Manganese	NA	< 10	82.3
Manganese (F)	232.000	13	< 40.0

937GW05			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Manganese	1533.066	1000	234
Manganese (F)	NA	1200	135

937GW08			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Manganese	42.285	< 50	53.8
Manganese (F)	NA	< 50	< 10.0

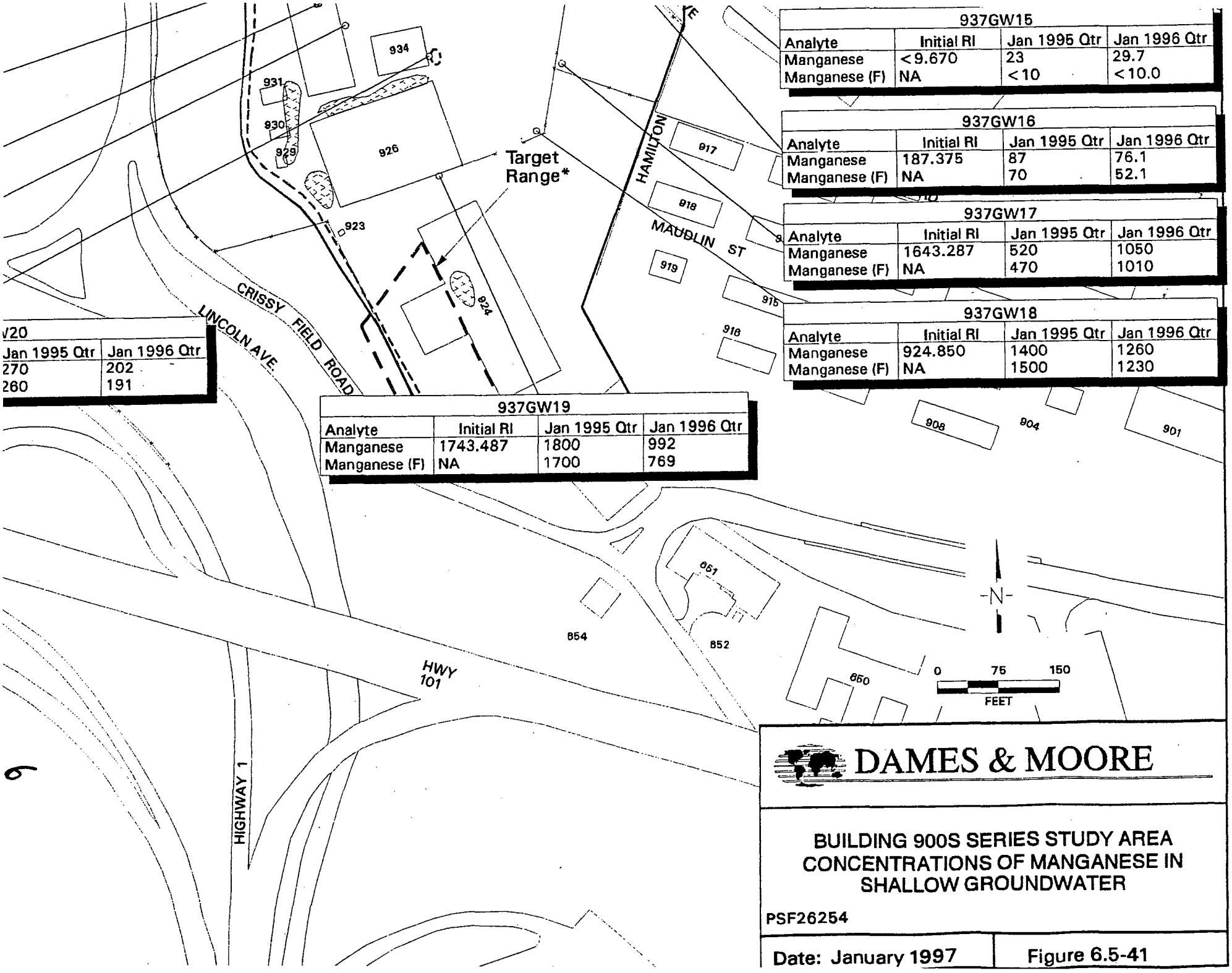
937GW04			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Manganese	1533.066	530	871
Manganese (F)	NA	360	499

937GW07			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Manganese	349.699	200	221
Manganese (F)	NA	< 50	< 10.0

937GW03			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Manganese	467.936	360	154
Manganese (F)	NA	410	165

937GW37			
Analyte	Suppl. RI	Jan 1995 Qtr	Jan 1996 Qtr
Manganese	460	140	37.8
Manganese (F)	420	140	< 10.0

937GW15			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Manganese	< 9.670	23	29.7
Manganese (F)	NA	< 10	< 10.0



937GW15			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Manganese	<9.670	23	29.7
Manganese (F)	NA	<10	<10.0

937GW16			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Manganese	187.375	87	76.1
Manganese (F)	NA	70	52.1

937GW17			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Manganese	1643.287	520	1050
Manganese (F)	NA	470	1010

937GW18			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Manganese	924.850	1400	1260
Manganese (F)	NA	1500	1230

V20	
Jan 1995 Qtr	Jan 1996 Qtr
270	202
260	191

937GW19			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Manganese	1743.487	1800	992
Manganese (F)	NA	1700	769

DAMES & MOORE

BUILDING 900S SERIES STUDY AREA
CONCENTRATIONS OF MANGANESE IN
SHALLOW GROUNDWATER

PSF26254

Date: January 1997 | Figure 6.5-41

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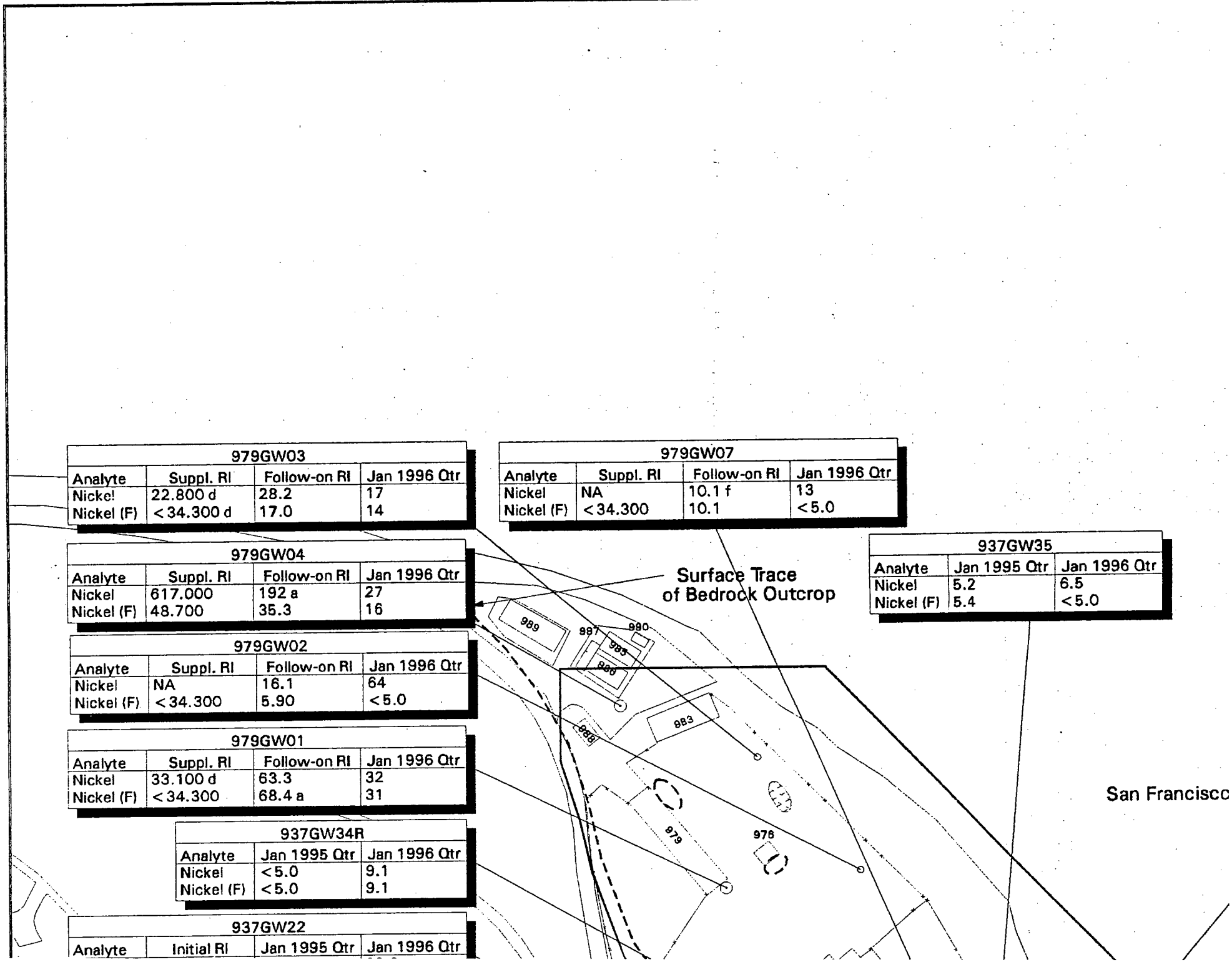
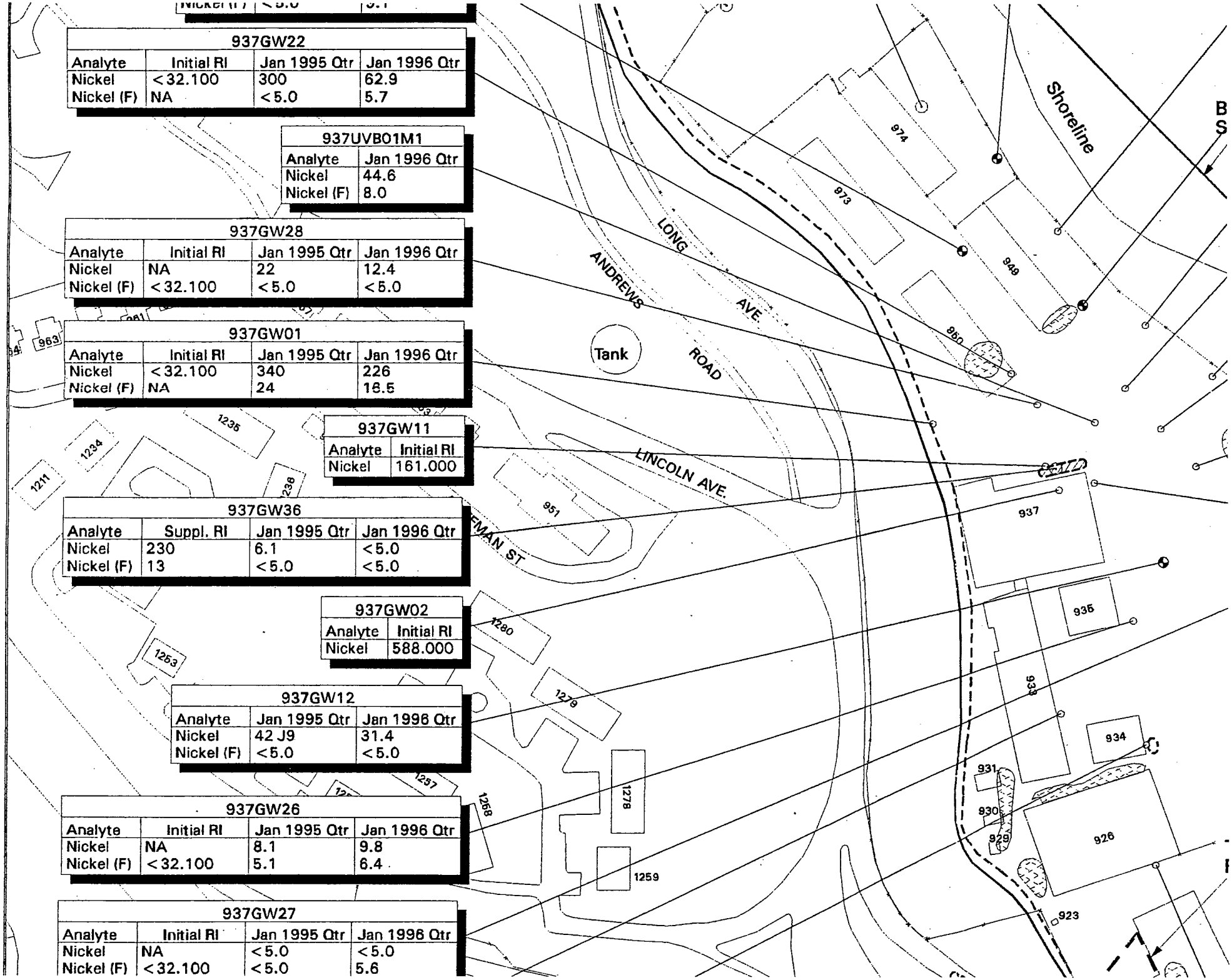

979GW03
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Nickel | 22.800 d | 28.2 | 17
Nickel (F) | < 34.300 d | 17.0 | 14
979GW07
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Nickel | NA | 10.1 f | 13
Nickel (F) | < 34.300 | 10.1 | < 5.0
937GW35
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Nickel | 5.2 | 6.5
Nickel (F) | 5.4 | < 5.0
979GW04
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Nickel | 617.000 | 192 a | 27
Nickel (F) | 48.700 | 35.3 | 16
979GW02
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Nickel | NA | 16.1 | 64
Nickel (F) | < 34.300 | 5.90 | < 5.0
979GW01
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Nickel | 33.100 d | 63.3 | 32
Nickel (F) | < 34.300 | 68.4 a | 31
937GW34R
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Nickel | < 5.0 | 9.1
Nickel (F) | < 5.0 | 9.1
937GW22
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Surface Trace of Bedrock Outcrop
989
997
990
985
986
983
988
979
976
San Francisco


937GW22
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Nickel | <32.100 | 300 | 62.9
Nickel (F) | NA | <5.0 | 5.7
937UVB01M1
Analyte | Jan 1996 Qtr
Nickel | 44.6
Nickel (F) | 8.0
937GW28
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Nickel | NA | 22 | 12.4
Nickel (F) | <32.100 | <5.0 | <5.0
937GW01
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Nickel | <32.100 | 340 | 226
Nickel (F) | NA | 24 | 16.5
937GW11
Analyte | Initial RI
Nickel | 161.000
937GW36
Analyte | Suppl. RI | Jan 1995 Qtr | Jan 1996 Qtr
Nickel | 230 | 6.1 | <5.0
Nickel (F) | 13 | <5.0 | <5.0
937GW02
Analyte | Initial RI
Nickel | 588.000
937GW12
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Nickel | 42 J9 | 31.4
Nickel (F) | <5.0 | <5.0
937GW26
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Nickel | NA | 8.1 | 9.8
Nickel (F) | <32.100 | 5.1 | 6.4
937GW27
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Nickel | NA | <5.0 | <5.0
Nickel (F) | <32.100 | <5.0 | 5.6
Shoreline
LONG
ANDREWS
AVE.
ROAD
Tank
LINCOLN AVE.
963
1235
1234
1211
1238
951
1280
1253
1279
1257
1258
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950
937
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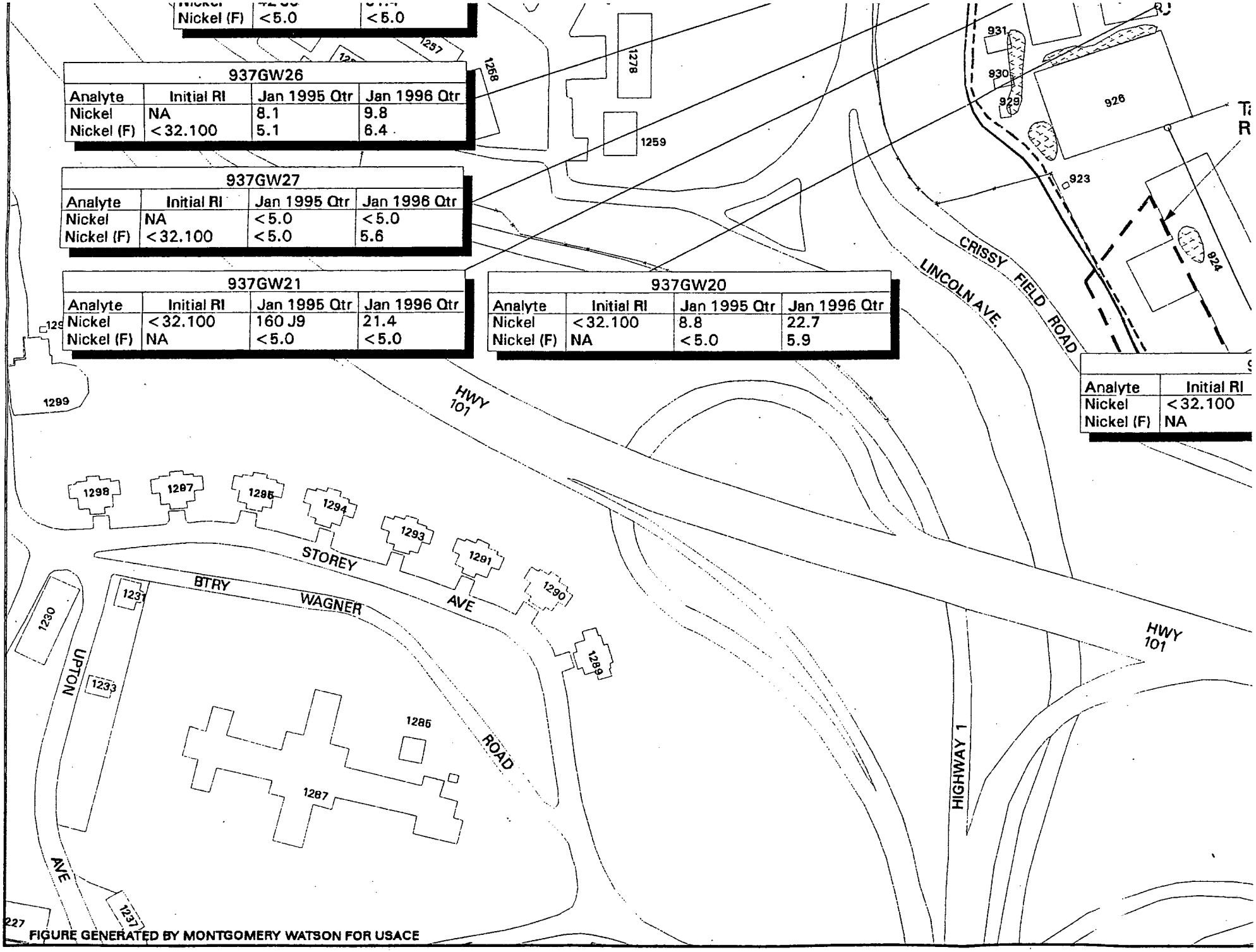
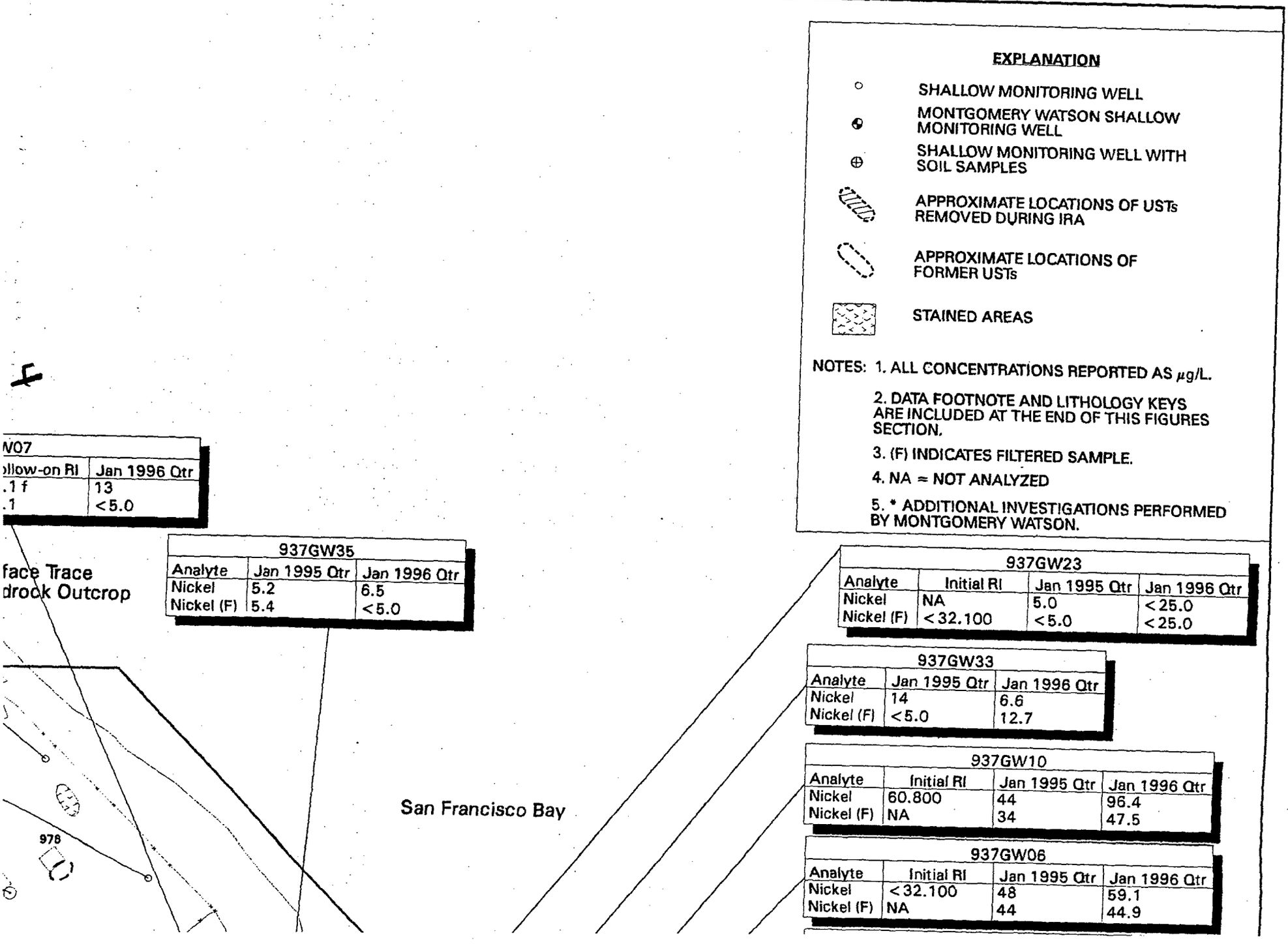
930
929
926
923



3

26 Dec 96 09:02:03 Thursday, base_11x17_v3.mxd, plotfile base_B900S_W_16.grn, PSF

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE



W07		
llow-on RI	Jan 1996 Qtr	
.1 f	13	
.1	<5.0	

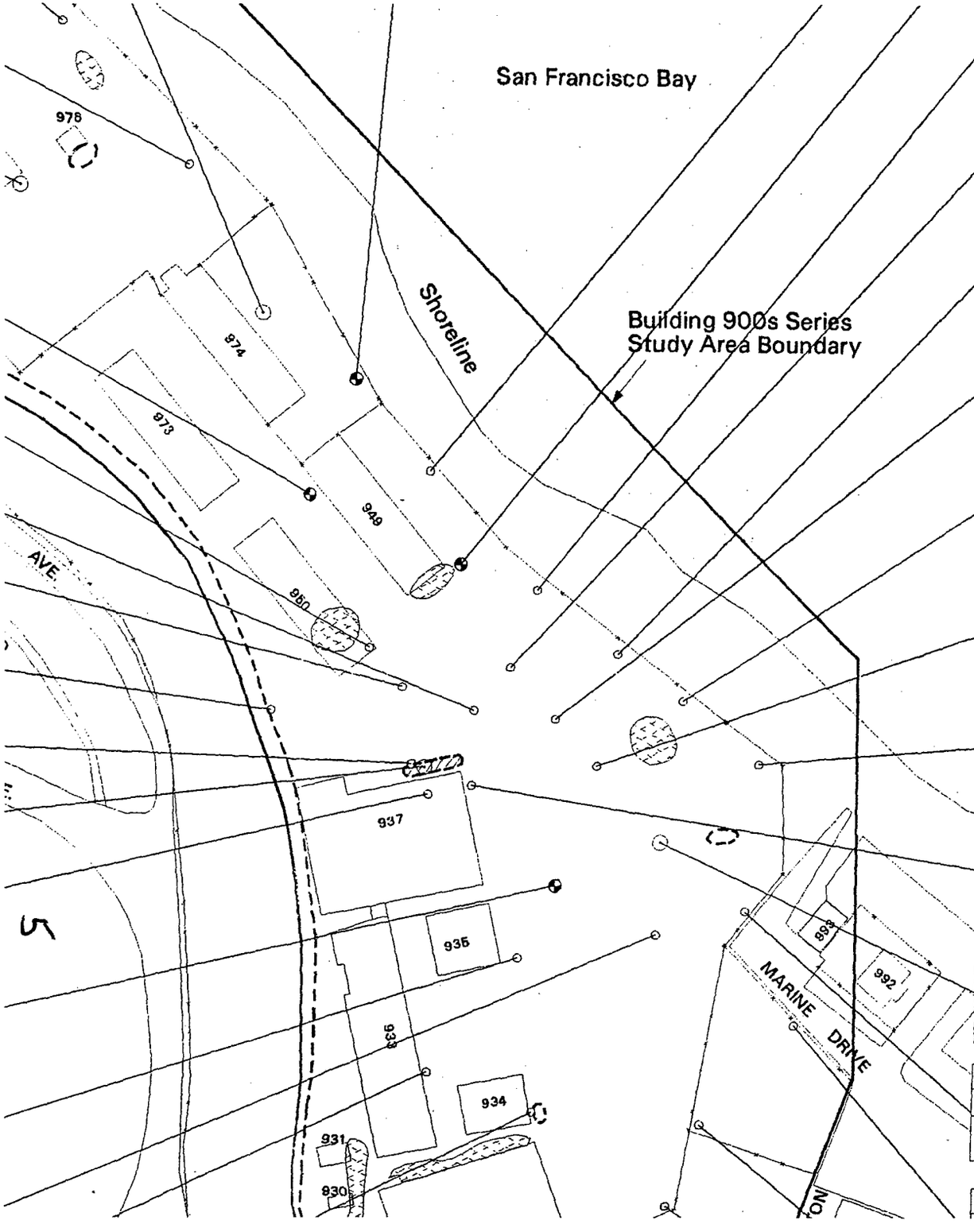
937GW35		
Analyte	Jan 1995 Qtr	Jan 1996 Qtr
Nickel	5.2	6.5
Nickel (F)	5.4	<5.0

937GW23			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Nickel	NA	5.0	<25.0
Nickel (F)	<32.100	<5.0	<25.0

937GW33		
Analyte	Jan 1995 Qtr	Jan 1996 Qtr
Nickel	14	6.6
Nickel (F)	<5.0	12.7

937GW10			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Nickel	60.800	44	96.4
Nickel (F)	NA	34	47.5

937GW06			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Nickel	<32.100	48	59.1
Nickel (F)	NA	44	44.9



937GW10			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Nickel	60.800	44	96.4
Nickel (F)	NA	34	47.5

937GW06			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Nickel	<32.100	48	59.1
Nickel (F)	NA	44	44.9

937GW24			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Nickel	NA	18	30.2
Nickel (F)	56.600	17	27.1

937GW05			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Nickel	<32.100	90	34.5
Nickel (F)	NA	34	14.0

937GW08			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Nickel	<32.100	28	33.8
Nickel (F)	NA	18	11.1

937GW04			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Nickel	<32.100	25	39.8
Nickel (F)	NA	10	17.6

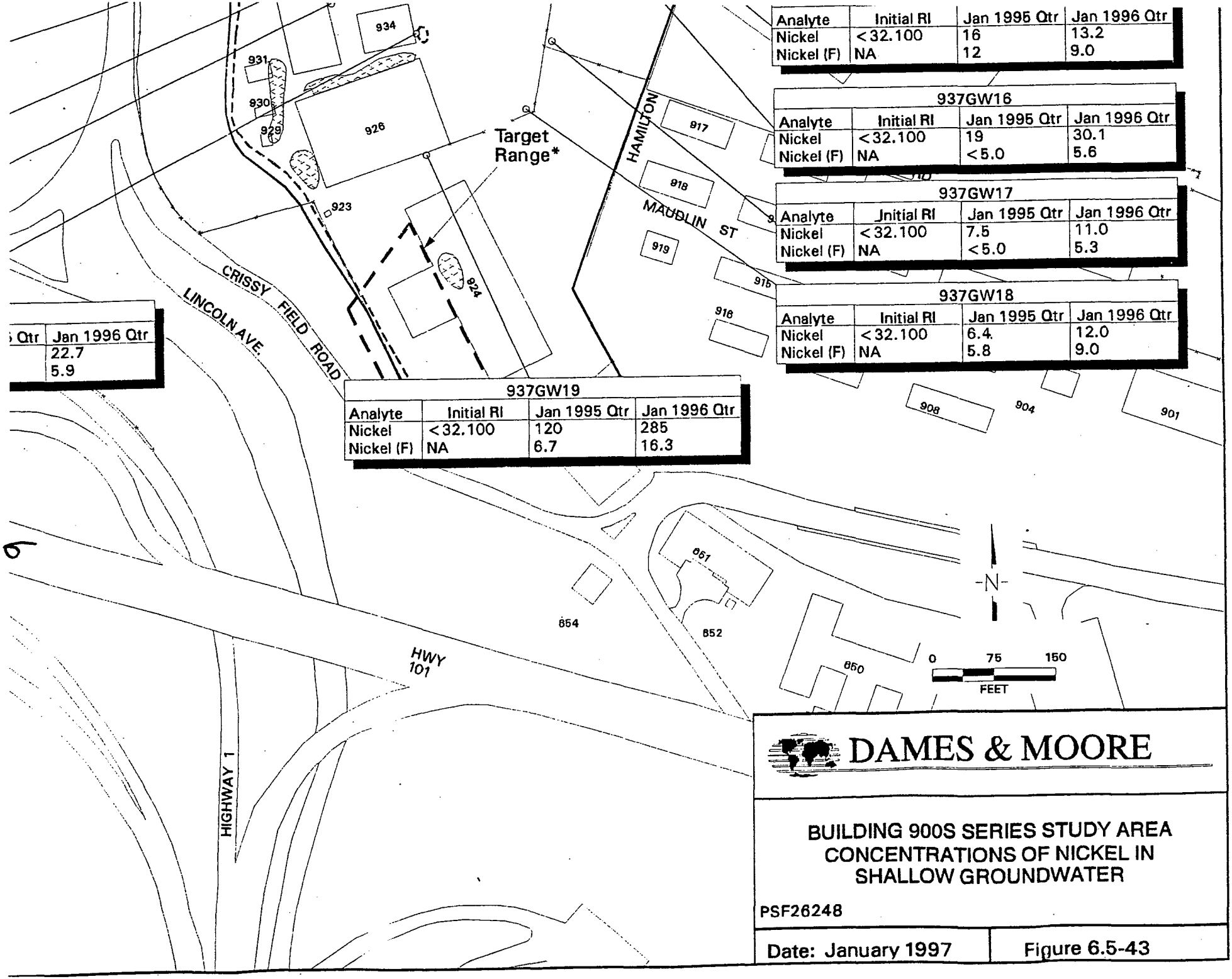
937GW07			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Nickel	<32.100	48	82.3
Nickel (F)	NA	15	<5.0

937GW03			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Nickel	<32.100	6.3	<5.0
Nickel (F)	NA	<5.0	<5.0

937GW37			
Analyte	Suppl. RI	Jan 1995 Qtr	Jan 1996 Qtr
Nickel	82	90 J9	43.5
Nickel (F)	NA	63	18.2

937GW15			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Nickel	<32.100	16	13.2
Nickel (F)	NA	12	9.0

937GW16



Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Nickel	<32.100	16	13.2
Nickel (F)	NA	12	9.0

937GW16			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Nickel	<32.100	19	30.1
Nickel (F)	NA	<5.0	5.6

937GW17			
Analyte	Jnitial RI	Jan 1995 Qtr	Jan 1996 Qtr
Nickel	<32.100	7.5	11.0
Nickel (F)	NA	<5.0	5.3

937GW18			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Nickel	<32.100	6.4	12.0
Nickel (F)	NA	5.8	9.0

Qtr	Jan 1996 Qtr
	22.7
	5.9

937GW19			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Nickel	<32.100	120	285
Nickel (F)	NA	6.7	16.3

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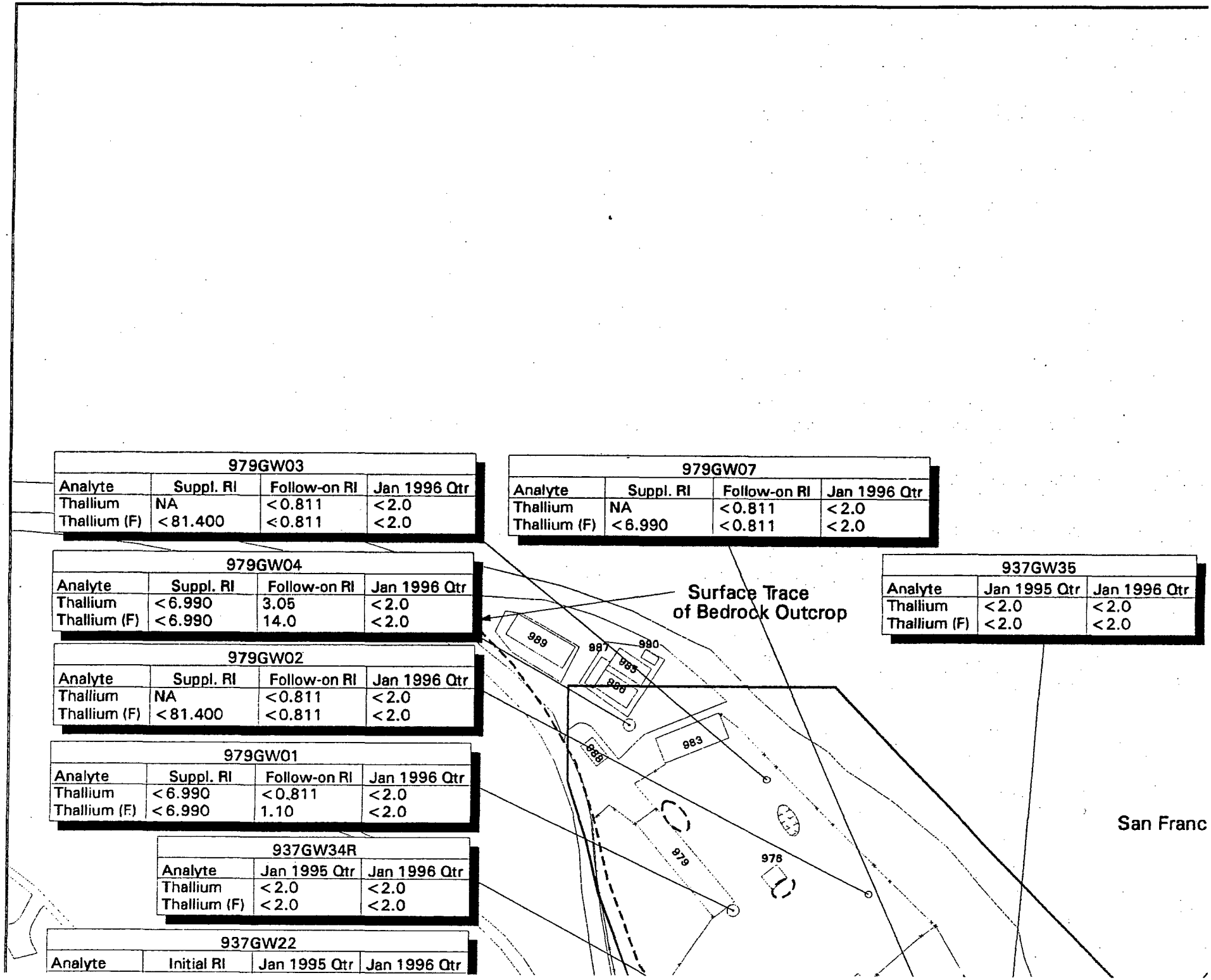
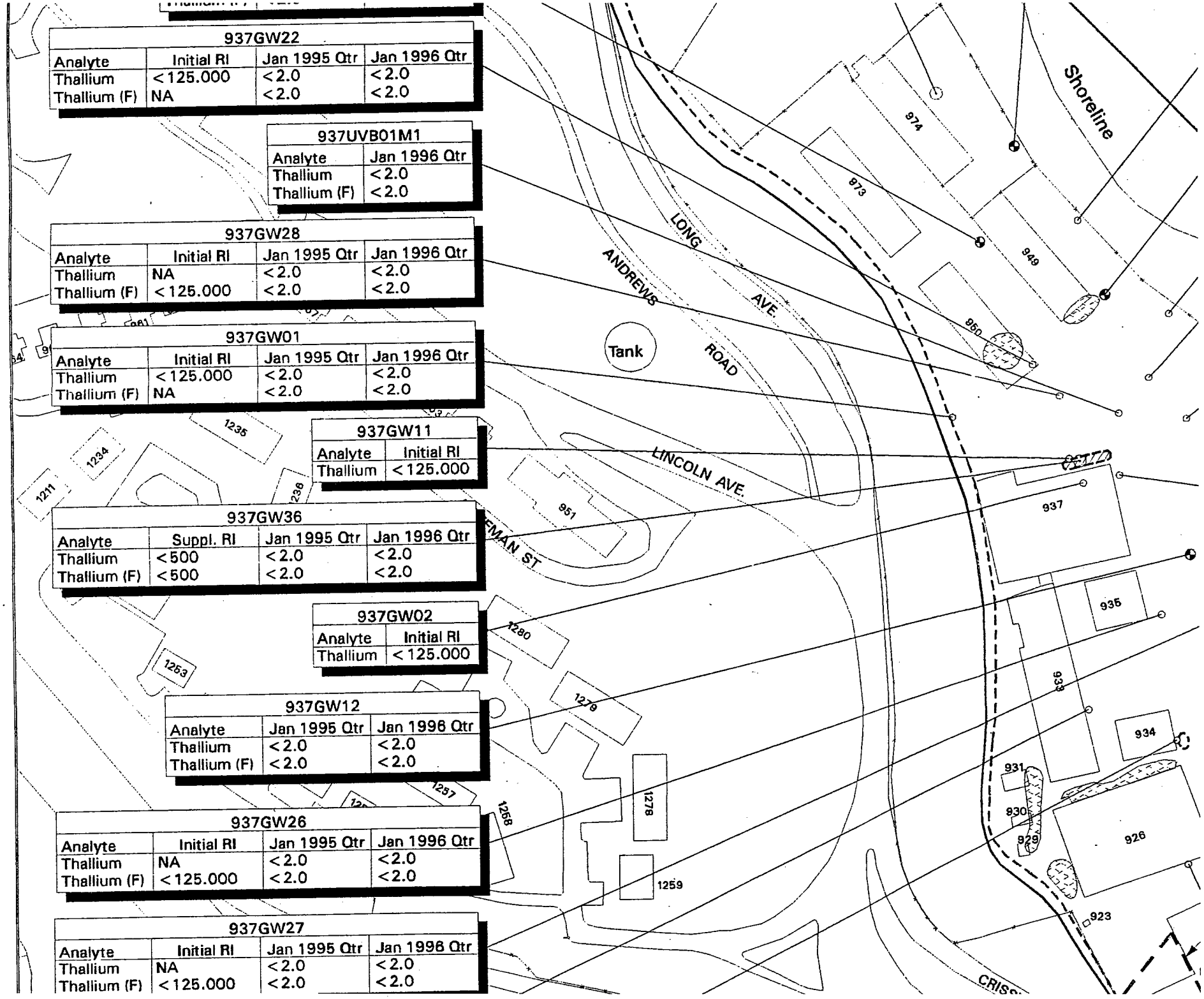
BUILDING 900S SERIES STUDY AREA CONCENTRATIONS OF NICKEL IN SHALLOW GROUNDWATER

PSF26248

Date: January 1997

Figure 6.5-43


979GW03
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Thallium | NA | <0.811 | <2.0
Thallium (F) | <81.400 | <0.811 | <2.0
979GW07
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Thallium | NA | <0.811 | <2.0
Thallium (F) | <6.990 | <0.811 | <2.0
979GW04
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Thallium | <6.990 | 3.05 | <2.0
Thallium (F) | <6.990 | 14.0 | <2.0
937GW35
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Thallium | <2.0 | <2.0
Thallium (F) | <2.0 | <2.0
Surface Trace of Bedrock Outcrop
979GW02
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Thallium | NA | <0.811 | <2.0
Thallium (F) | <81.400 | <0.811 | <2.0
979GW01
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Thallium | <6.990 | <0.811 | <2.0
Thallium (F) | <6.990 | 1.10 | <2.0
937GW34R
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Thallium | <2.0 | <2.0
Thallium (F) | <2.0 | <2.0
937GW22
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
989
987
990
985
986
983
979
978
San Franc


937GW22
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Thallium | <125.000 | <2.0 | <2.0
Thallium (F) | NA | <2.0 | <2.0
937UVB01M1
Analyte | Jan 1996 Qtr
Thallium | <2.0
Thallium (F) | <2.0
937GW28
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Thallium | NA | <2.0 | <2.0
Thallium (F) | <125.000 | <2.0 | <2.0
937GW01
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Thallium | <125.000 | <2.0 | <2.0
Thallium (F) | NA | <2.0 | <2.0
937GW11
Analyte | Initial RI
Thallium | <125.000
937GW36
Analyte | Suppl. RI | Jan 1995 Qtr | Jan 1996 Qtr
Thallium | <500 | <2.0 | <2.0
Thallium (F) | <500 | <2.0 | <2.0
937GW02
Analyte | Initial RI
Thallium | <125.000
937GW12
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Thallium | <2.0 | <2.0
Thallium (F) | <2.0 | <2.0
937GW26
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Thallium | NA | <2.0 | <2.0
Thallium (F) | <125.000 | <2.0 | <2.0
937GW27
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Thallium | NA | <2.0 | <2.0
Thallium (F) | <125.000 | <2.0 | <2.0
Shoreline
LONG
ANDREWS
AVE.
ROAD
Tank
LINCOLN AVE.
937
935
933
934
931
930
929
926
923
974
973
949
950
951
1235
1234
1211
1236
1253
1280
1279
1278
1257
1258
1259

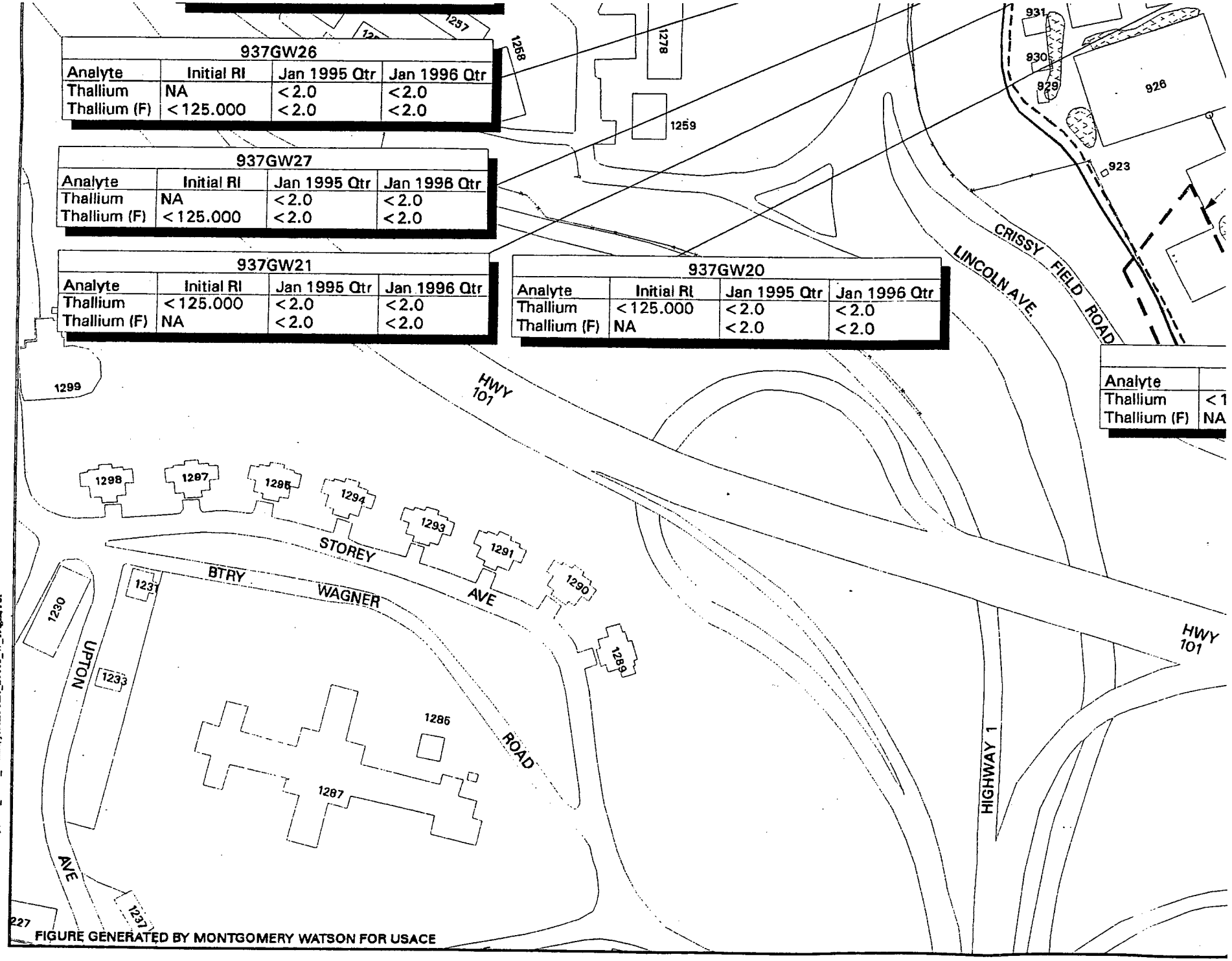
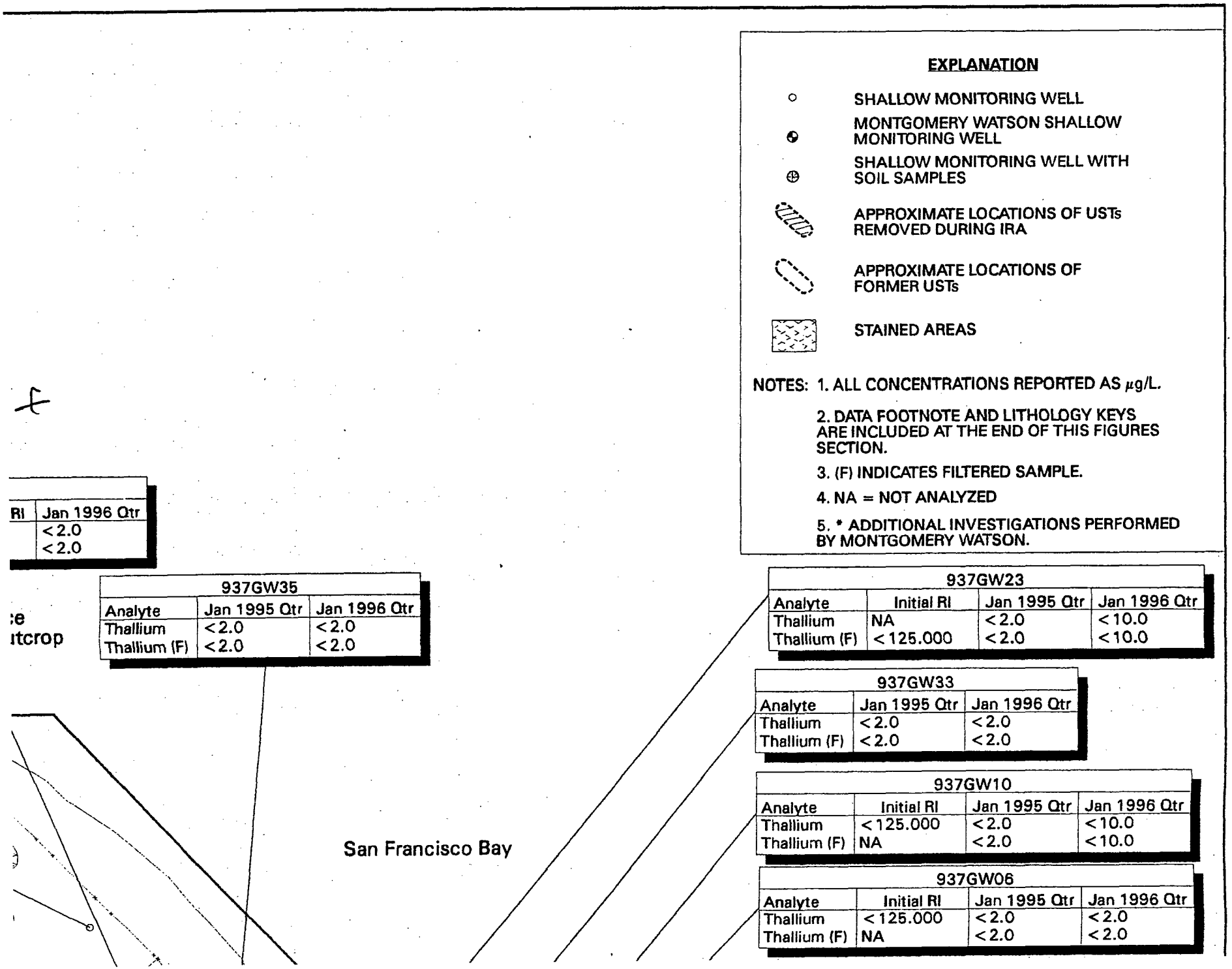


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

26 Dec 96 09:05:27 Thursday, base_11x17_v3.aml, plotfile base_B900S_W_19.grn, PSP



RI	Jan 1996 Qtr
	< 2.0
	< 2.0

ıtcrop

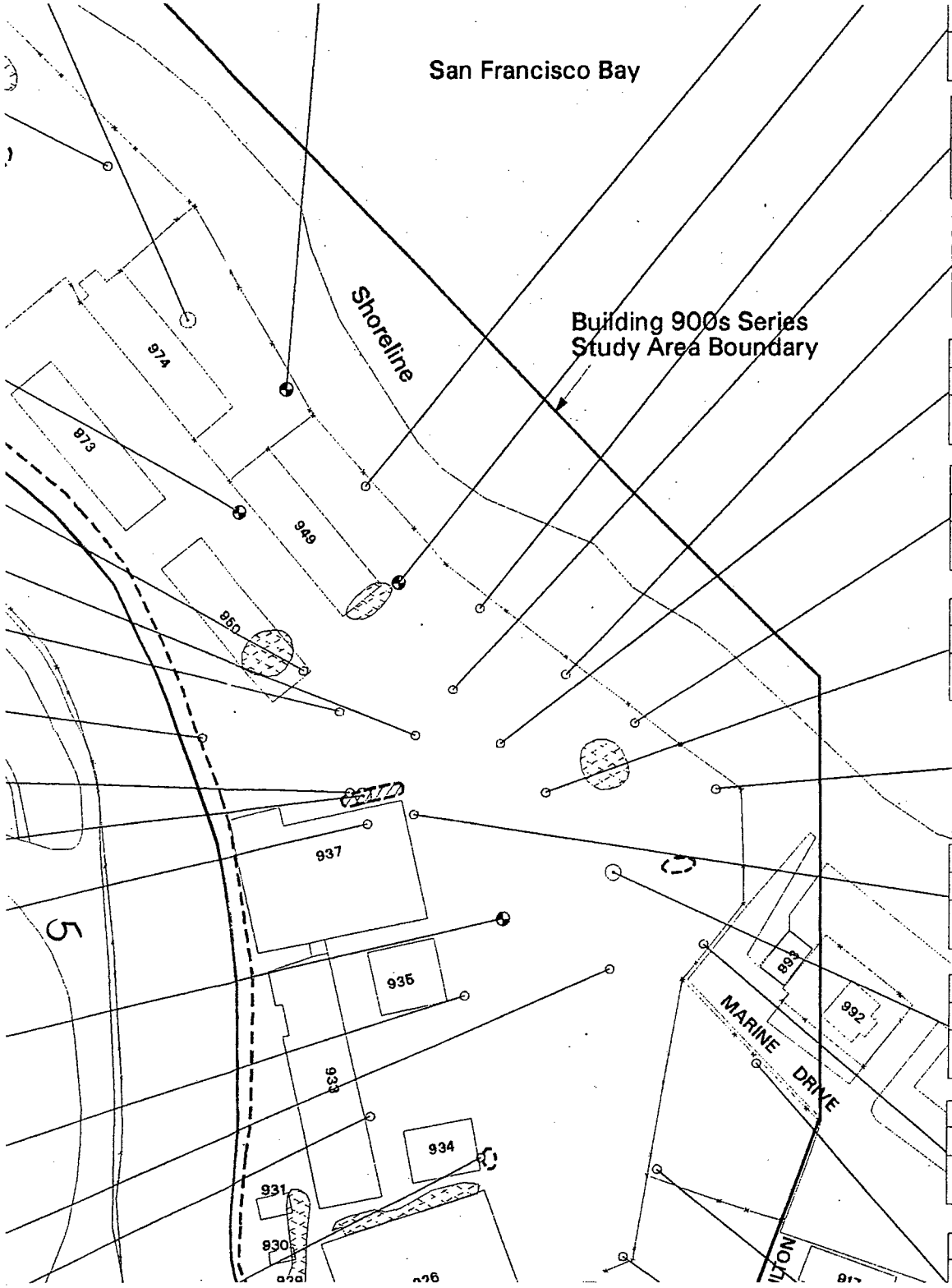
937GW35		
Analyte	Jan 1995 Qtr	Jan 1996 Qtr
Thallium	< 2.0	< 2.0
Thallium (F)	< 2.0	< 2.0

937GW23			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Thallium	NA	< 2.0	< 10.0
Thallium (F)	< 125.000	< 2.0	< 10.0

937GW33		
Analyte	Jan 1995 Qtr	Jan 1996 Qtr
Thallium	< 2.0	< 2.0
Thallium (F)	< 2.0	< 2.0

937GW10			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Thallium	< 125.000	< 2.0	< 10.0
Thallium (F)	NA	< 2.0	< 10.0

937GW06			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Thallium	< 125.000	< 2.0	< 2.0
Thallium (F)	NA	< 2.0	< 2.0



Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Thallium	<125.000	<2.0	<10.0
Thallium (F)	NA	<2.0	<10.0

937GW06			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Thallium	<125.000	<2.0	<2.0
Thallium (F)	NA	<2.0	<2.0

937GW24			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Thallium	NA	<2.0	<10.0
Thallium (F)	<125.000	<2.0	<10.0

937GW05			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Thallium	<125.000	<2.0	<2.0
Thallium (F)	NA	<2.0	<2.0

937GW08			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Thallium	<125.000	<2.0	<5.0
Thallium (F)	NA	<2.0	<5.0

937GW04			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Thallium	<125.000	<2.0	<2.0
Thallium (F)	NA	<2.0	<2.0

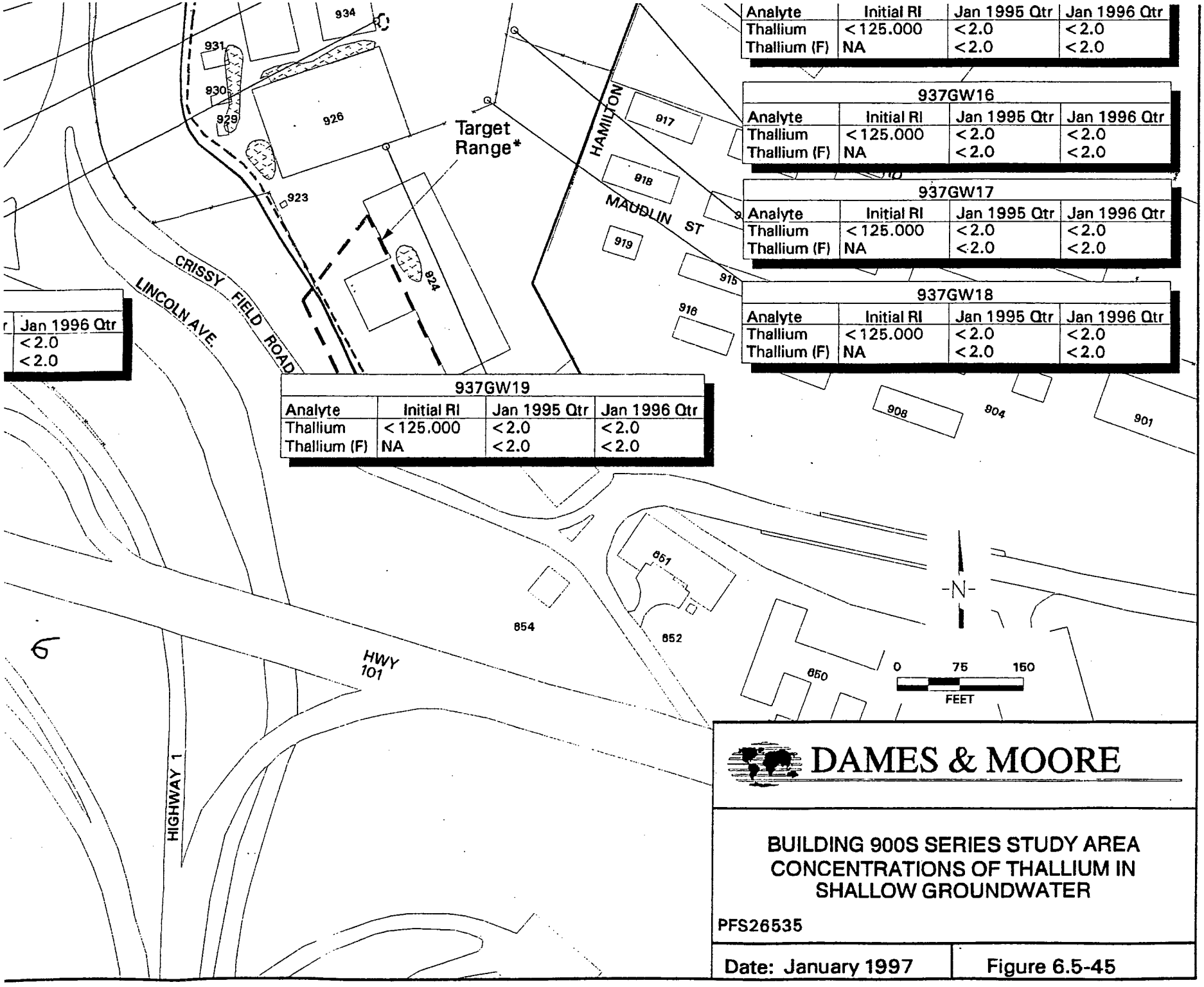
937GW07			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Thallium	<125.000	<2.0	<2.0
Thallium (F)	NA	<2.0	<2.0

937GW03			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Thallium	<125.000	<2.0	<2.0
Thallium (F)	NA	<2.0	<2.0

937GW37			
Analyte	Suppl. RI	Jan 1995 Qtr	Jan 1996 Qtr
Thallium	<500	<2.0	<2.0
Thallium (F)	<500	<2.0	<2.0

937GW15			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Thallium	<125.000	<2.0	<2.0
Thallium (F)	NA	<2.0	<2.0

937GW16			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr



Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Thallium	<125.000	<2.0	<2.0
Thallium (F)	NA	<2.0	<2.0

937GW16			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Thallium	<125.000	<2.0	<2.0
Thallium (F)	NA	<2.0	<2.0

937GW17			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Thallium	<125.000	<2.0	<2.0
Thallium (F)	NA	<2.0	<2.0

937GW18			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Thallium	<125.000	<2.0	<2.0
Thallium (F)	NA	<2.0	<2.0

r	Jan 1996 Qtr
	<2.0
	<2.0

937GW19			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Thallium	<125.000	<2.0	<2.0
Thallium (F)	NA	<2.0	<2.0

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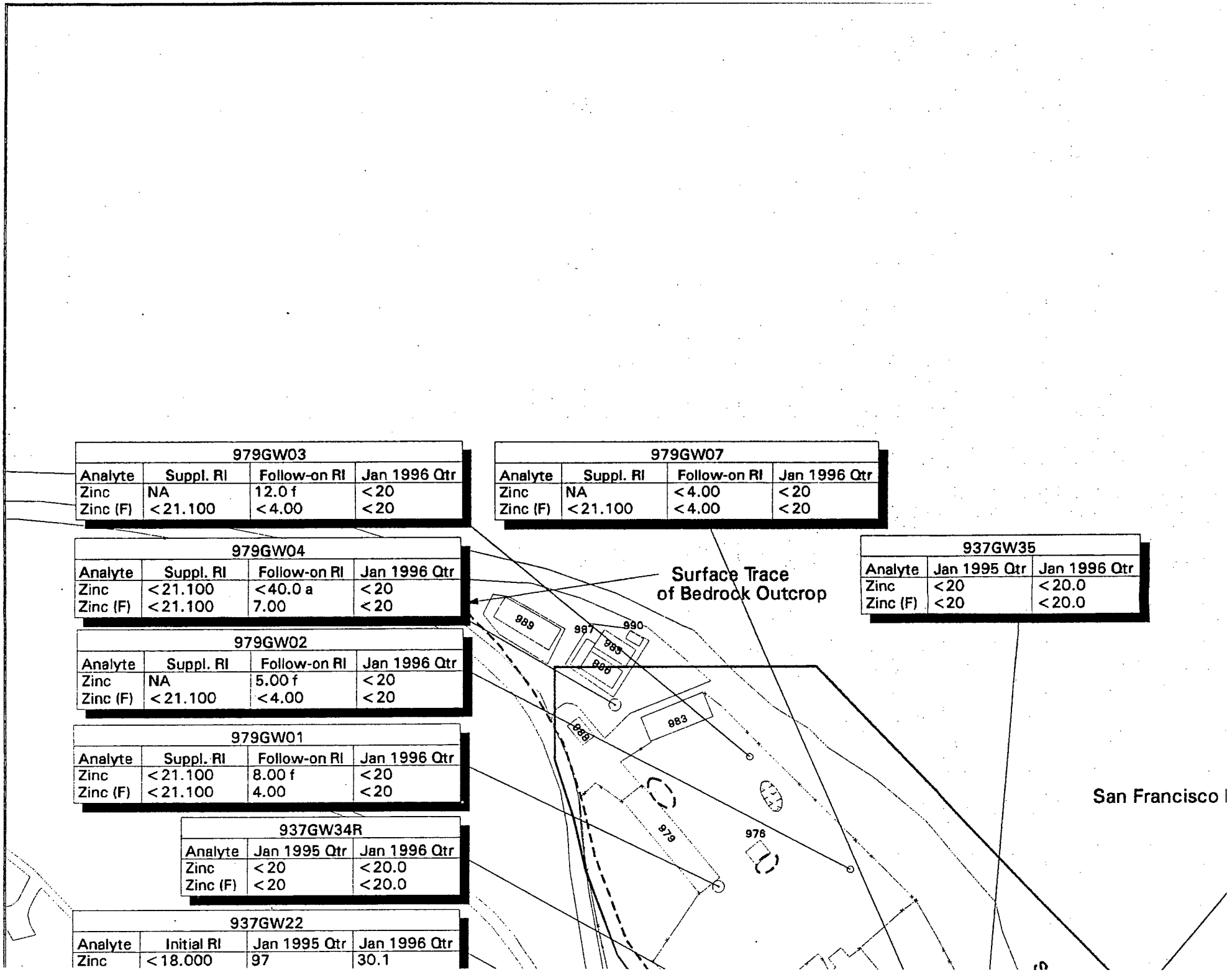
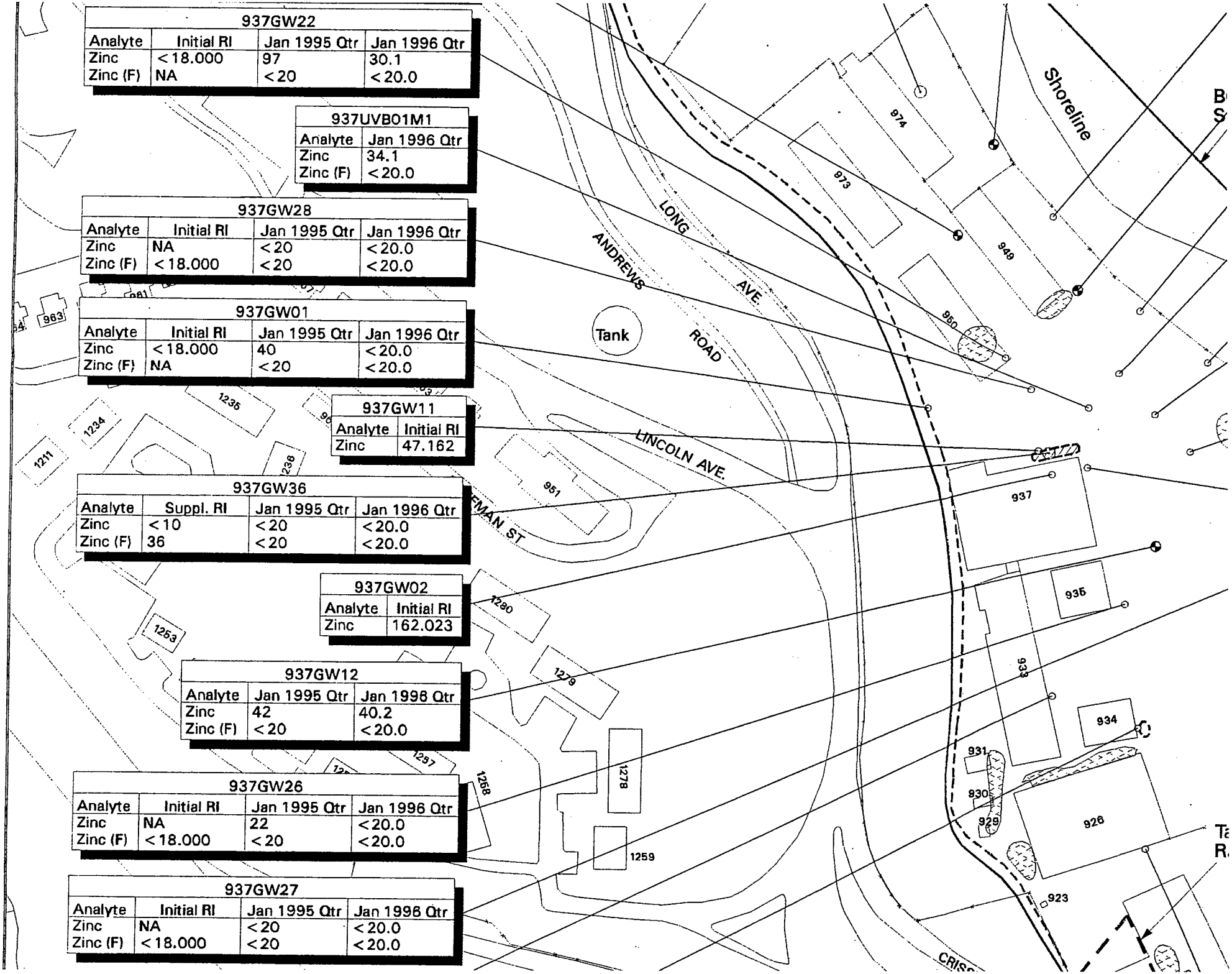
BUILDING 900S SERIES STUDY AREA
CONCENTRATIONS OF THALLIUM IN SHALLOW GROUNDWATER

PFS26535

Date: January 1997 | Figure 6.5-45


979GW03
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Zinc | NA | 12.0 f | <20
Zinc (F) | <21.100 | <4.00 | <20
979GW07
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Zinc | NA | <4.00 | <20
Zinc (F) | <21.100 | <4.00 | <20
979GW04
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Zinc | <21.100 | <40.0 a | <20
Zinc (F) | <21.100 | 7.00 | <20
937GW35
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Zinc | <20 | <20.0
Zinc (F) | <20 | <20.0
Surface Trace of Bedrock Outcrop
979GW02
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Zinc | NA | 5.00 f | <20
Zinc (F) | <21.100 | <4.00 | <20
979GW01
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Zinc | <21.100 | 8.00 f | <20
Zinc (F) | <21.100 | 4.00 | <20
937GW34R
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Zinc | <20 | <20.0
Zinc (F) | <20 | <20.0
937GW22
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Zinc | <18.000 | 97 | 30.1
989
997
990
988
983
979
976
San Francisco


937GW22
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Zinc | < 18.000 | 97 | 30.1
Zinc (F) | NA | < 20 | < 20.0
937UVB01M1
Analyte | Jan 1996 Qtr
Zinc | 34.1
Zinc (F) | < 20.0
937GW28
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Zinc | NA | < 20 | < 20.0
Zinc (F) | < 18.000 | < 20 | < 20.0
937GW01
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Zinc | < 18.000 | 40 | < 20.0
Zinc (F) | NA | < 20 | < 20.0
937GW11
Analyte | Initial RI
Zinc | 47.162
937GW36
Analyte | Suppl. RI | Jan 1995 Qtr | Jan 1996 Qtr
Zinc | < 10 | < 20 | < 20.0
Zinc (F) | 36 | < 20 | < 20.0
937GW02
Analyte | Initial RI
Zinc | 162.023
937GW12
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Zinc | 42 | 40.2
Zinc (F) | < 20 | < 20.0
937GW26
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Zinc | NA | 22 | < 20.0
Zinc (F) | < 18.000 | < 20 | < 20.0
937GW27
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Zinc | NA | < 20 | < 20.0
Zinc (F) | < 18.000 | < 20 | < 20.0
Shoreline
LONG
ANDREWS
AVE.
ROAD
Tank
LINCOLN AVE.
963
1234
1211
1235
1236
951
1280
1253
1279
1237
1268
1278
1259
974
973
949
950
937
935
933
934
931
930
929
926
923

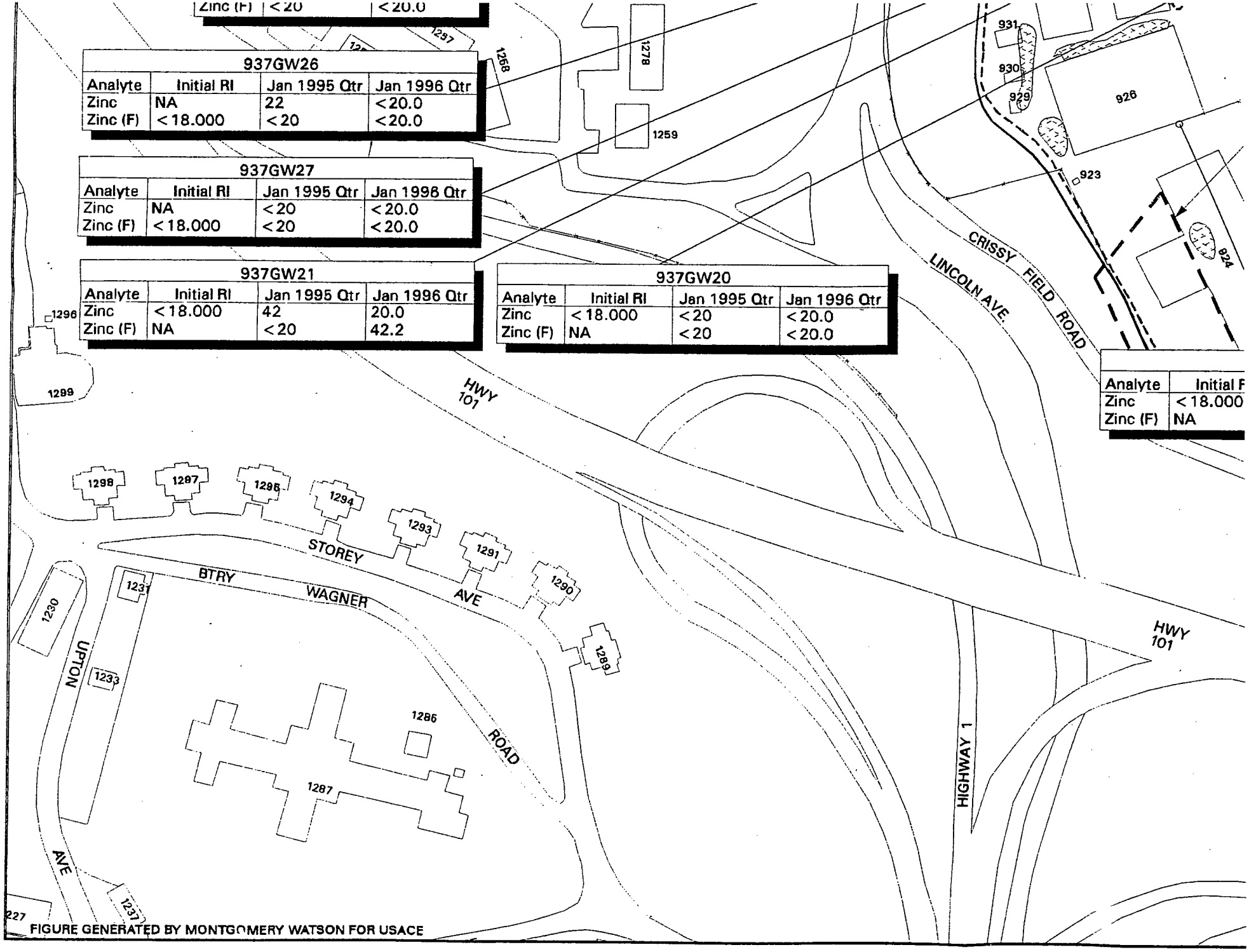


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

26 Dec 96 09:08:36 Thursday, base_11x17_v3.aml, plotfile base_B900S_W_21.grn, PSF

EXPLANATION

- SHALLOW MONITORING WELL
- MONTGOMERY WATSON SHALLOW MONITORING WELL
- SHALLOW MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STAINED AREAS

NOTES:
1. ALL CONCENTRATIONS REPORTED AS µg/L.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED
5. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

7	
v-on RI	Jan 1996 Qtr
)	< 20
)	< 20

937GW35		
Analyte	Jan 1995 Qtr	Jan 1996 Qtr
Zinc	< 20	< 20.0
Zinc (F)	< 20	< 20.0

937GW23			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Zinc	NA	40	< 20.0
Zinc (F)	< 18.000	39	< 20.0

937GW33		
Analyte	Jan 1995 Qtr	Jan 1996 Qtr
Zinc	< 20	< 20.0
Zinc (F)	< 20	< 20.0

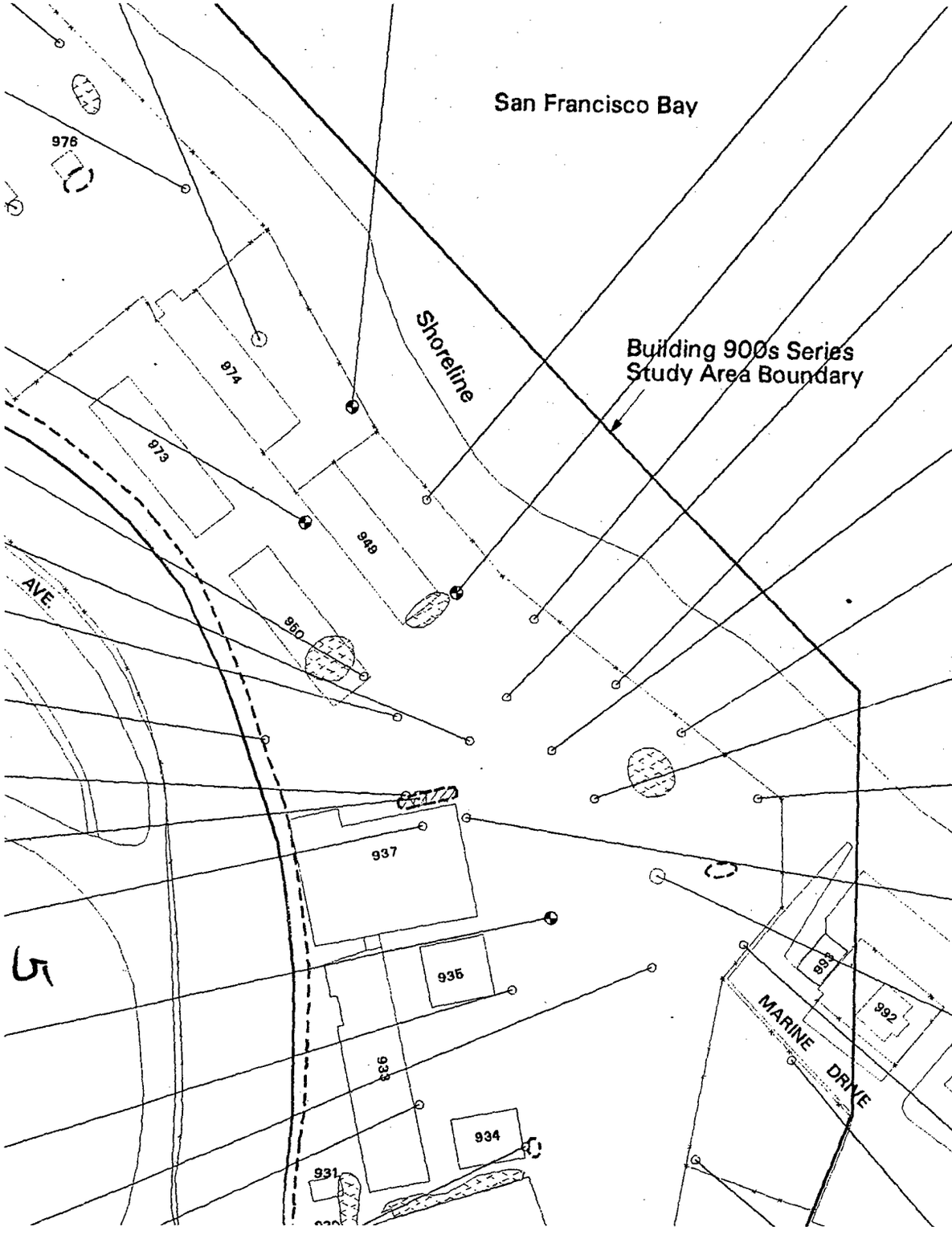
937GW10			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Zinc	< 18.000	< 20	< 80.0
Zinc (F)	NA	< 20	< 80.0

937GW06			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Zinc	< 18.000	< 20	< 20.0
Zinc (F)	NA	< 20	< 20.0

ice Trace
rock Outcrop

San Francisco Bay

976



937GW10			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Zinc	< 18.000	< 20	< 80.0
Zinc (F)	NA	< 20	< 80.0

937GW06			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Zinc	< 18.000	< 20	< 20.0
Zinc (F)	NA	< 20	< 20.0

937GW24			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Zinc	NA	< 20	< 80.0
Zinc (F)	< 18.000	< 20	< 80.0

937GW05			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Zinc	< 18.000	< 20	< 20.0
Zinc (F)	NA	< 20	25.3

937GW08			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Zinc	< 18.000	< 100	< 20.0
Zinc (F)	NA	< 100	< 20.0

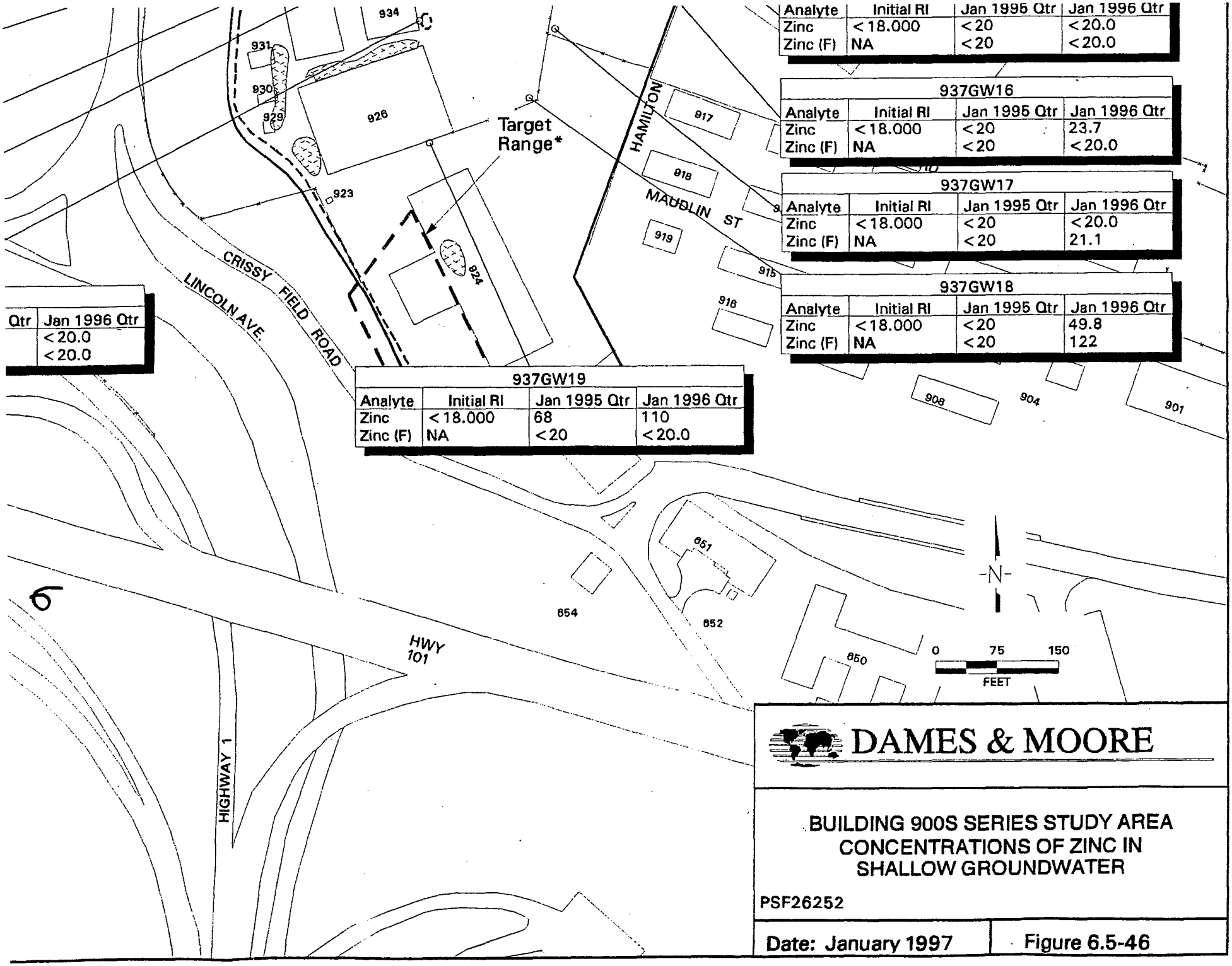
937GW04			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Zinc	54.180	< 20	< 20.0
Zinc (F)	NA	32	< 20.0

937GW07			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Zinc	367.389	440	302
Zinc (F)	NA	180	56.1

937GW03			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Zinc	< 18.000	< 20	< 20.0
Zinc (F)	NA	< 20	< 20.0

937GW37			
Analyte	Suppl. RI	Jan 1995 Qtr	Jan 1996 Qtr
Zinc	94	< 20	< 20.0
Zinc (F)	NA	< 20	< 20.0

937GW15			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Zinc	< 18.000	< 20	< 20.0
Zinc (F)	NA	< 20	< 20.0



Qtr	Jan 1996 Qtr
	<20.0
	<20.0

937GW19			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Zinc	<18.000	68	110
Zinc (F)	NA	<20	<20.0

Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Zinc	<18.000	<20	<20.0
Zinc (F)	NA	<20	<20.0

937GW16			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Zinc	<18.000	<20	23.7
Zinc (F)	NA	<20	<20.0

937GW17			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Zinc	<18.000	<20	<20.0
Zinc (F)	NA	<20	21.1

937GW18			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Zinc	<18.000	<20	49.8
Zinc (F)	NA	<20	122

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BUILDING 900S SERIES STUDY AREA CONCENTRATIONS OF ZINC IN SHALLOW GROUNDWATER

PSF26252

Date: January 1997

Figure 6.5-46

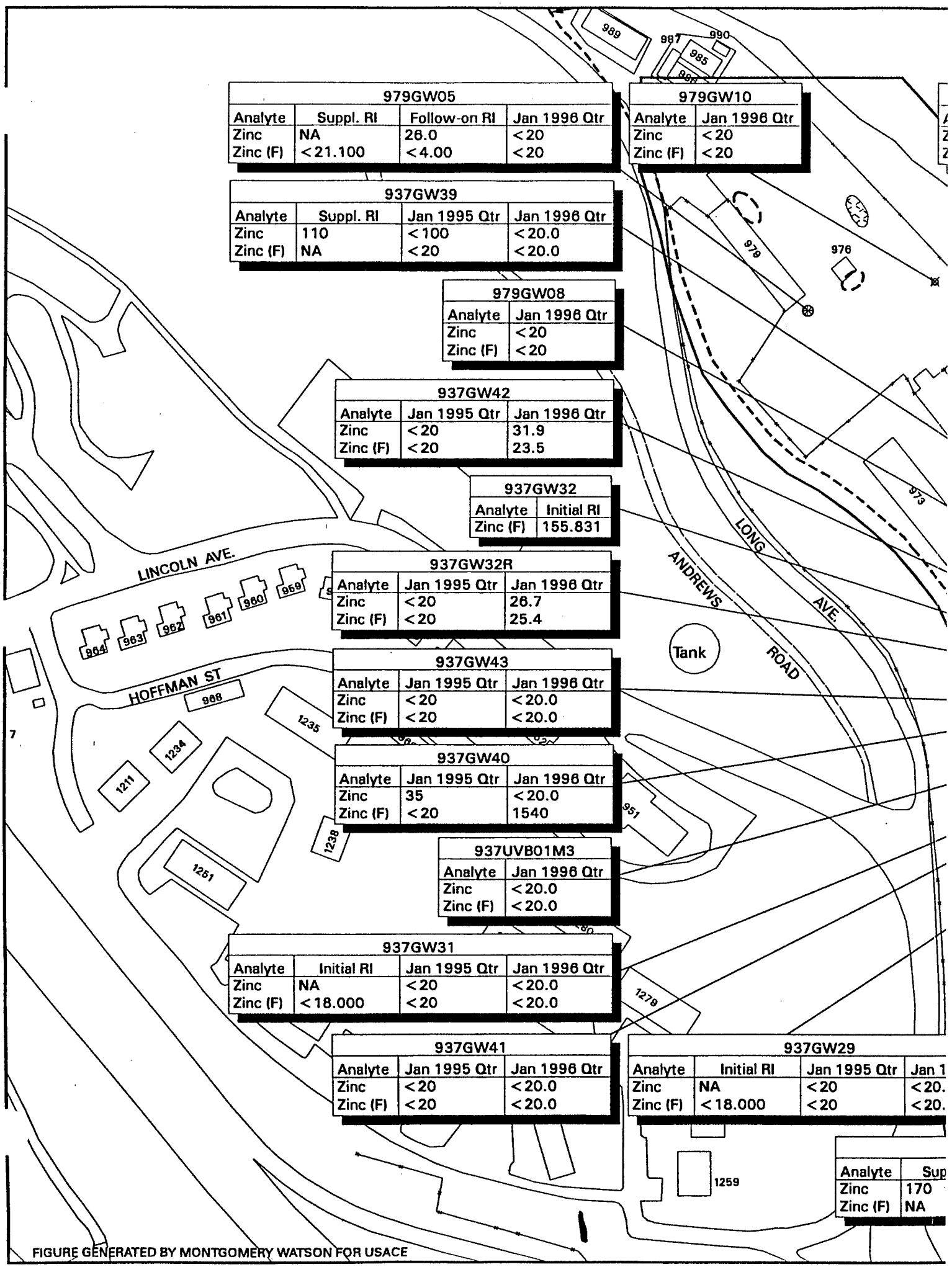
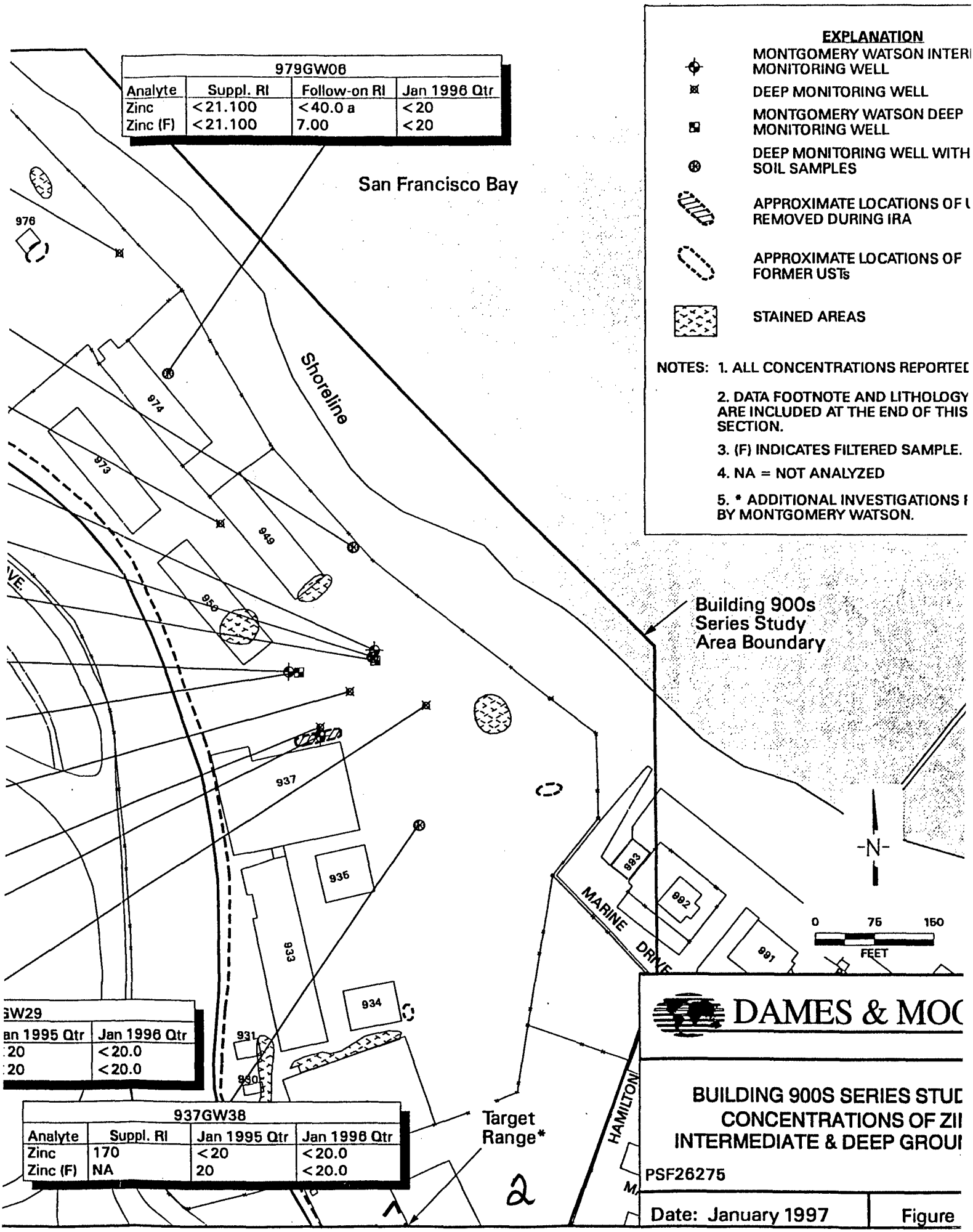


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

26 Dec 96 10:19:23 Thursday, P


979GW06
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Zinc | <21.100 | <40.0 a | <20
Zinc (F) | <21.100 | 7.00 | <20
San Francisco Bay
Shoreline
976
974
973
949
950
937
935
933
934
931
930
993
992
991
MARINE DRIVE
HAMILTON
Building 900s Series Study Area Boundary
Target Range*
EXPLANATION
MONTGOMERY WATSON INTERI MONITORING WELL
DEEP MONITORING WELL
MONTGOMERY WATSON DEEP MONITORING WELL
DEEP MONITORING WELL WITH SOIL SAMPLES
APPROXIMATE LOCATIONS OF U REMOVED DURING IRA
APPROXIMATE LOCATIONS OF FORMER USTs
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPORTEI
2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF THIS SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED
5. * ADDITIONAL INVESTIGATIONS F BY MONTGOMERY WATSON.
-N-
0 75 150
FEET
GW29
an 1995 Qtr | Jan 1996 Qtr
:20 | <20.0
:20 | <20.0
937GW38
Analyte | Suppl. RI | Jan 1995 Qtr | Jan 1996 Qtr
Zinc | 170 | <20 | <20.0
Zinc (F) | NA | 20 | <20.0
DAMES & MOC
BUILDING 900S SERIES STUI
CONCENTRATIONS OF ZI
INTERMEDIATE & DEEP GROUI
PSF26275
Date: January 1997
Figure
2

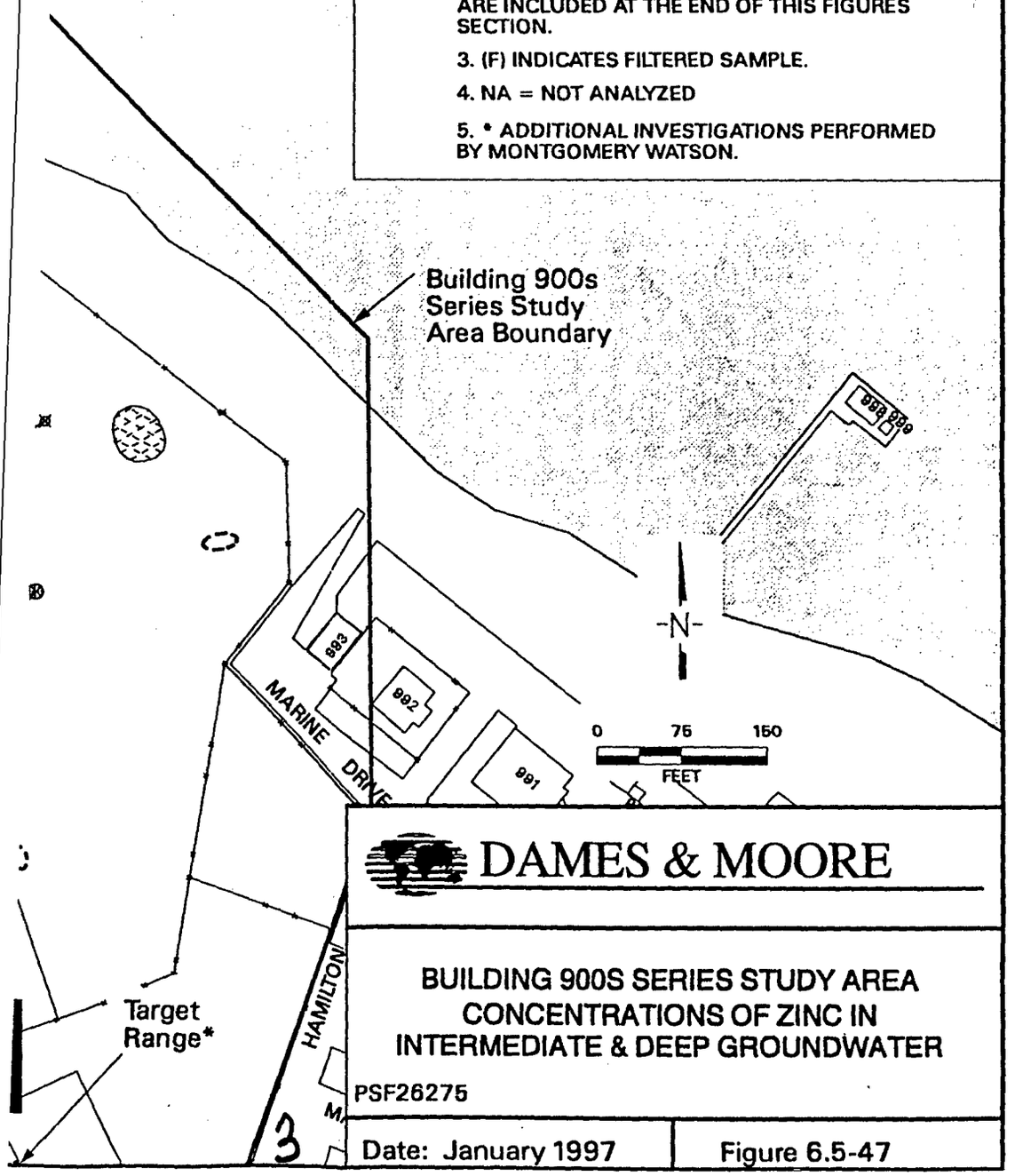
996 Qtr

cisco Bay

EXPLANATION

- MONTGOMERY WATSON INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- MONTGOMERY WATSON DEEP MONITORING WELL
- DEEP MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STAINED AREAS

NOTES:
1. ALL CONCENTRATIONS REPORTED AS µg/L.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED
5. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

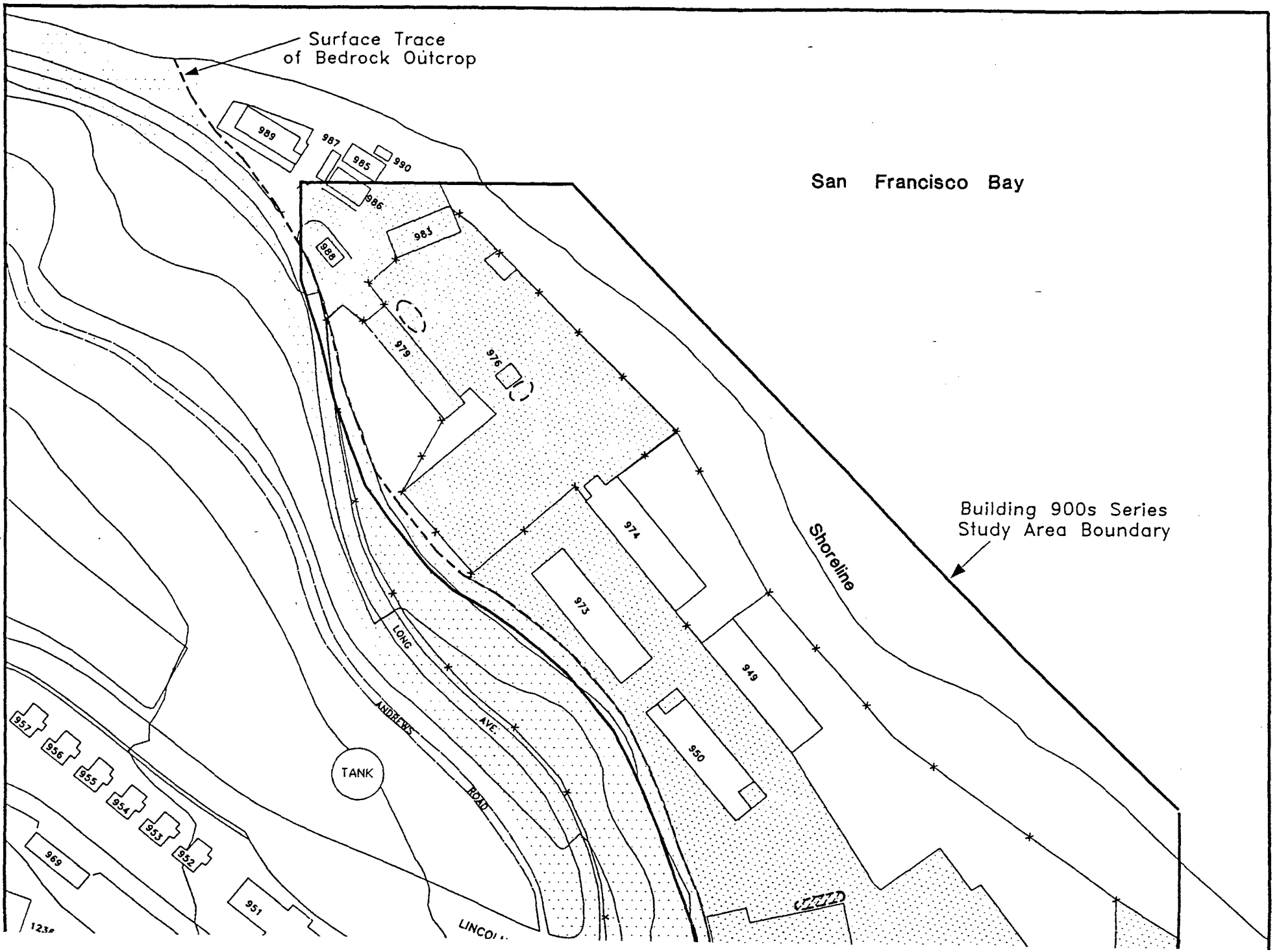


DAMES & MOORE

BUILDING 900S SERIES STUDY AREA
CONCENTRATIONS OF ZINC IN
INTERMEDIATE & DEEP GROUNDWATER

PSF26275

Date: January 1997 | Figure 6.5-47


Surface Trace
of Bedrock Outcrop
San Francisco Bay
Building 900s Series
Study Area Boundary
Shoreline
989
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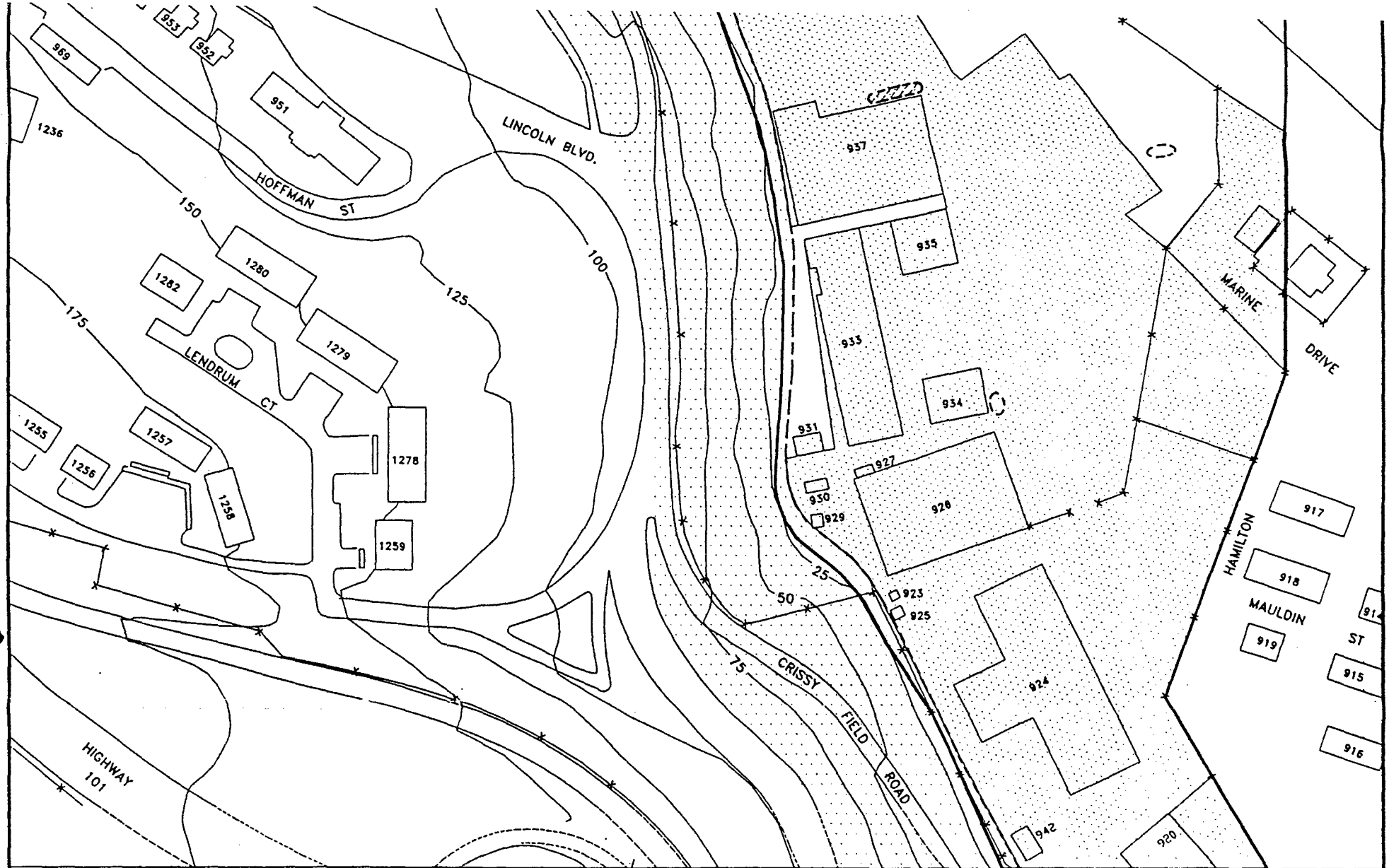
TANK
LONG
AVE.
ANDREWS
ROAD



EXPLANATION

APPROXIMATE LOCATION OF USTs

APPROXIMATE LOCATION OF USTs REMOVED DURING IRA

APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP

—175— TOPOGRAPHIC CONTOUR

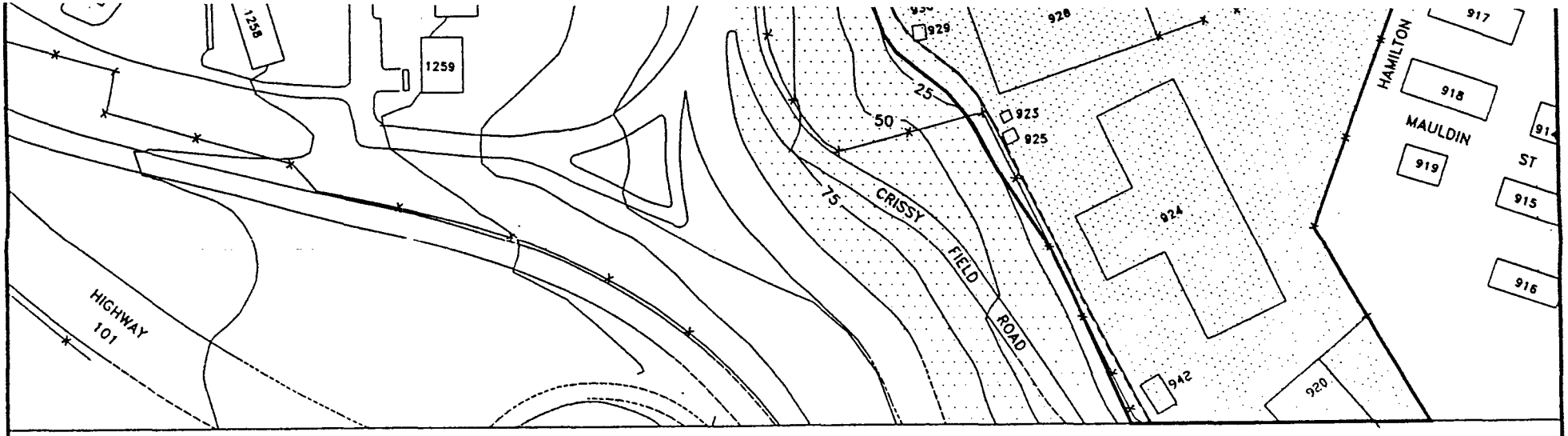
CONTOUR INTERVAL 25 FEET

ELEVATIONS IN FEET—PRESIDIO LOWER LOW WATER

—N—

DAMES & MOORE

BUILDING 900s SERIES STUDY AREA



EXPLANATION

- APPROXIMATE LOCATION OF USTs
- APPROXIMATE LOCATION OF USTs REMOVED DURING IRA
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- SURFACES COVERED BY PAVEMENT OR BUILDINGS
- —175— TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET
- ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

N

0 75 150

FEET

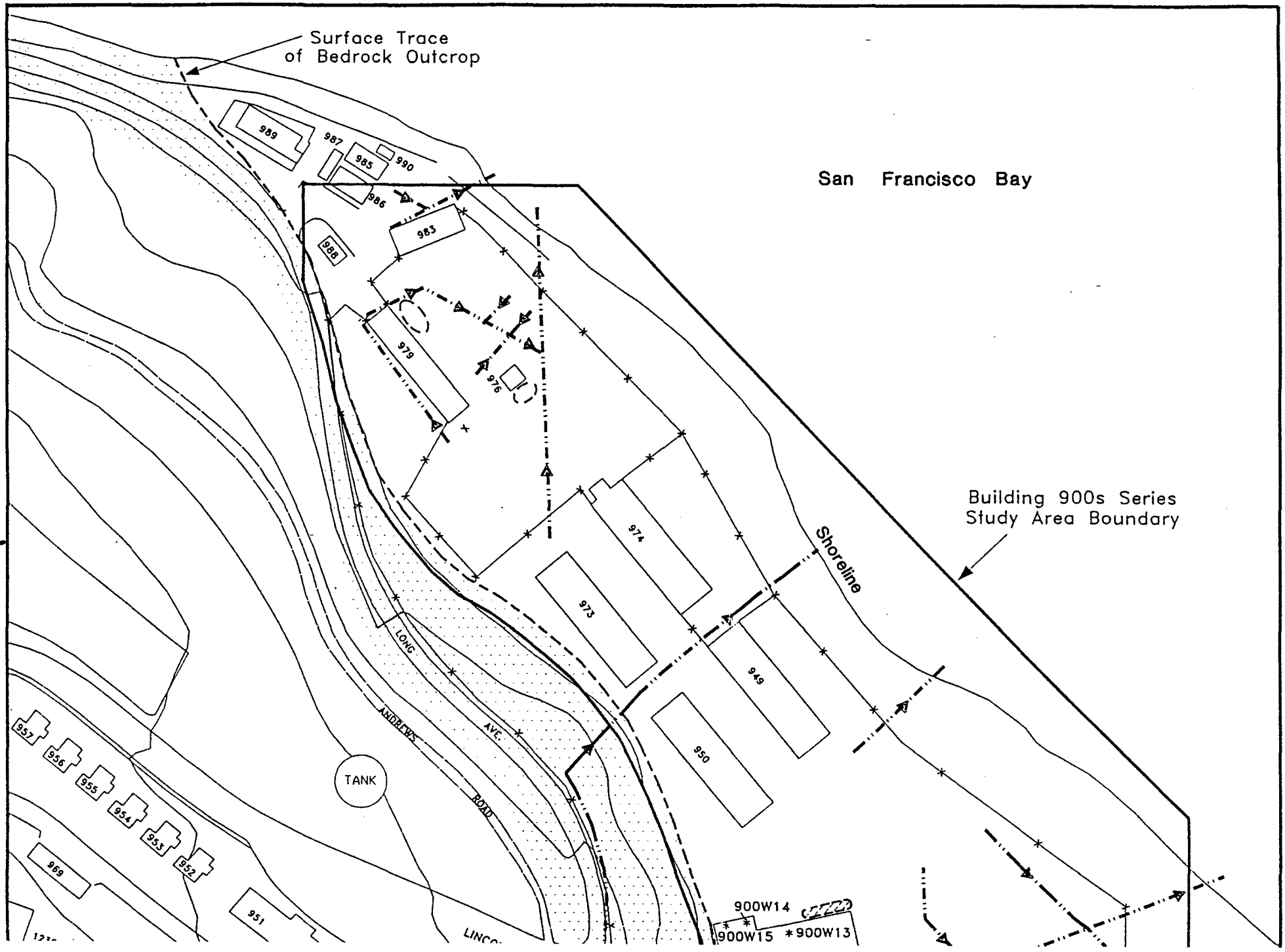
DAMES & MOORE

BUILDING 900s SERIES STUDY AREA

PSF25089/DV1

Date: January 1997

Figure 6.1-1


Surface Trace
of Bedrock Outcrop
San Francisco Bay
Building 900s Series
Study Area Boundary
Shoreline
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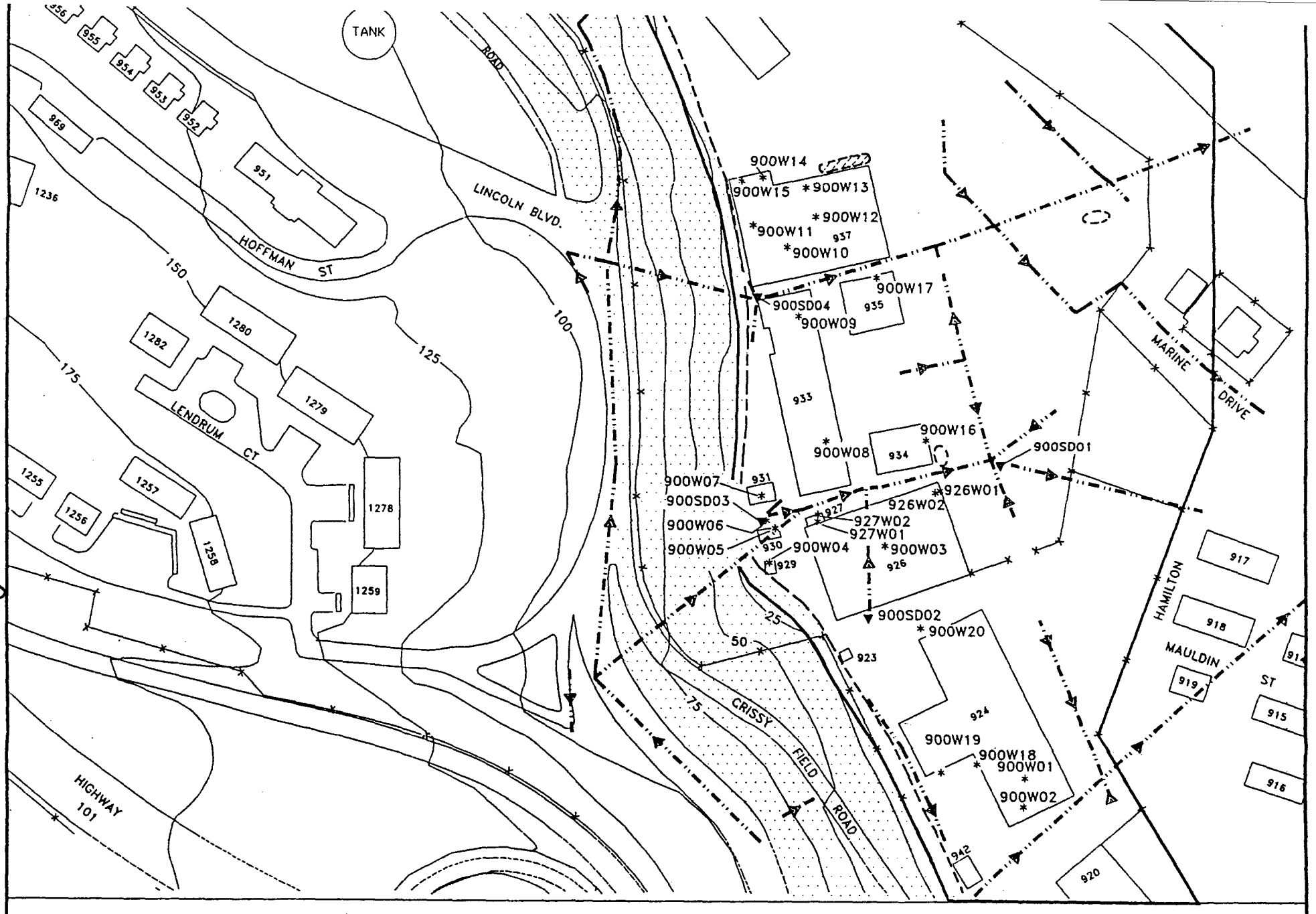
ANDREWS
ROAD
900W14
900W15
*900W13



EXPLANATION

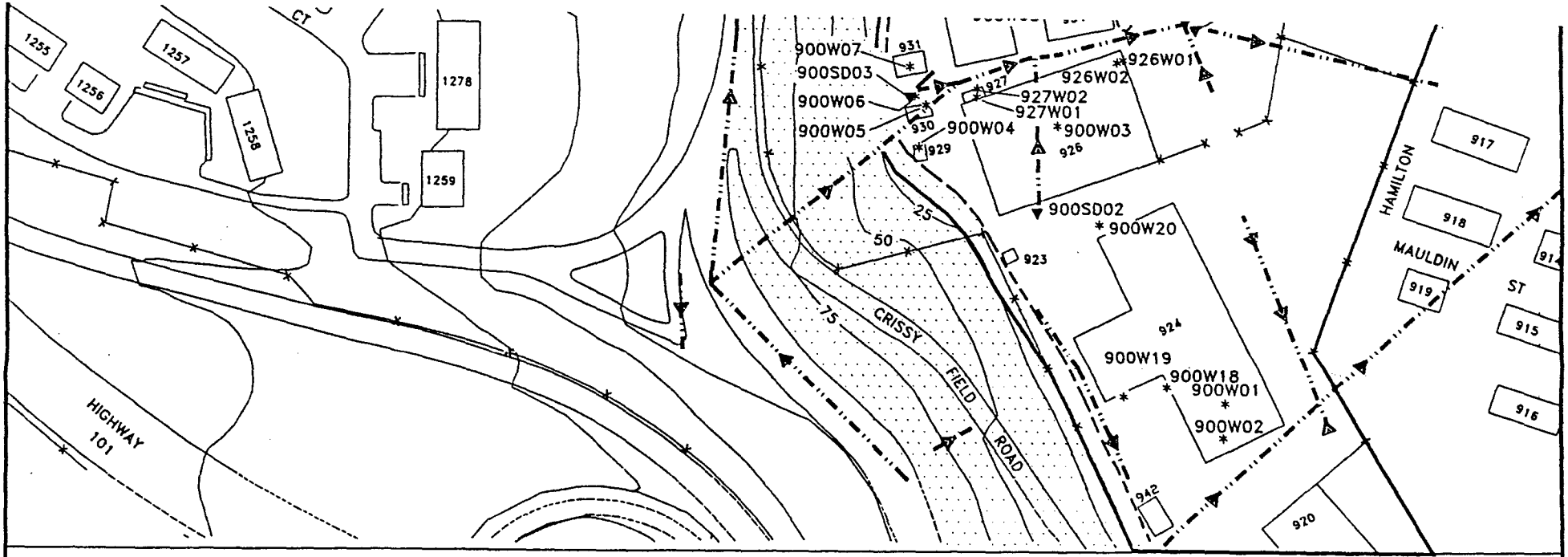
* WIPE SAMPLE

▼ SEDIMENT SAMPLE

APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP

—N—

DAMES & MOORE



EXPLANATION

- * WIPE SAMPLE
- ▼ SEDIMENT SAMPLE
- STORM DRAIN WITH FLOW DIRECTION
- APPROXIMATE LOCATION OF USTs
- APPROXIMATE LOCATION OF USTs REMOVED DURING IRA
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- 175 TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET
- ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

N

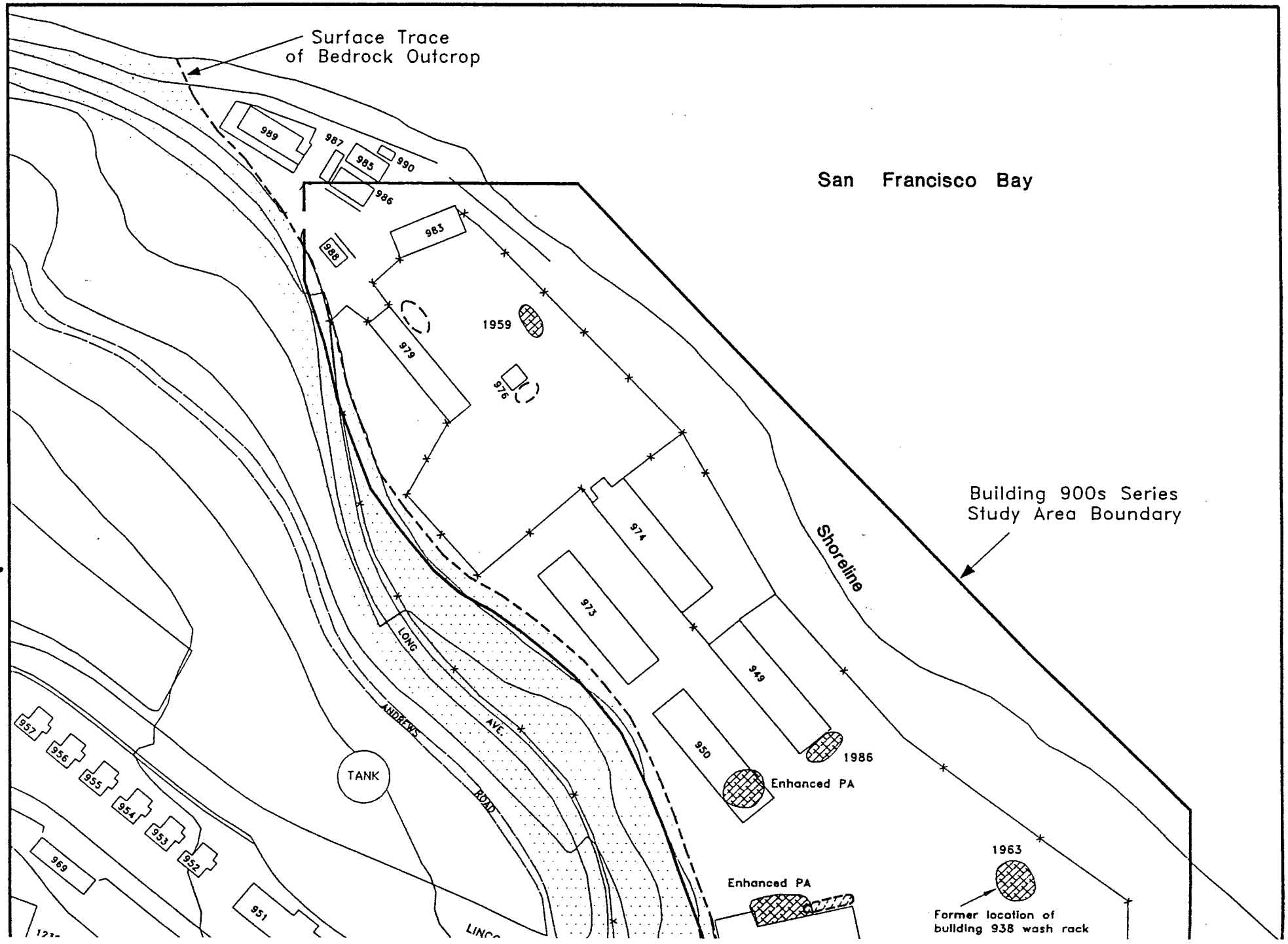
0 75 150
FEET

DAMES & MOORE

BUILDING 900s SERIES STUDY AREA, WIPE SAMPLE, STORM DRAIN, & SEDIMENT SAMPLE LOCATIONS

PSF25090/DV1

Date: January 1997 | Figure 6.1-2


Surface Trace
of Bedrock Outcrop
San Francisco Bay
Building 900s Series
Study Area Boundary
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1986
Enhanced PA
1963
Enhanced PA
Former location of
building 938 wash rack
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AVE.
ANDREWS
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TANK
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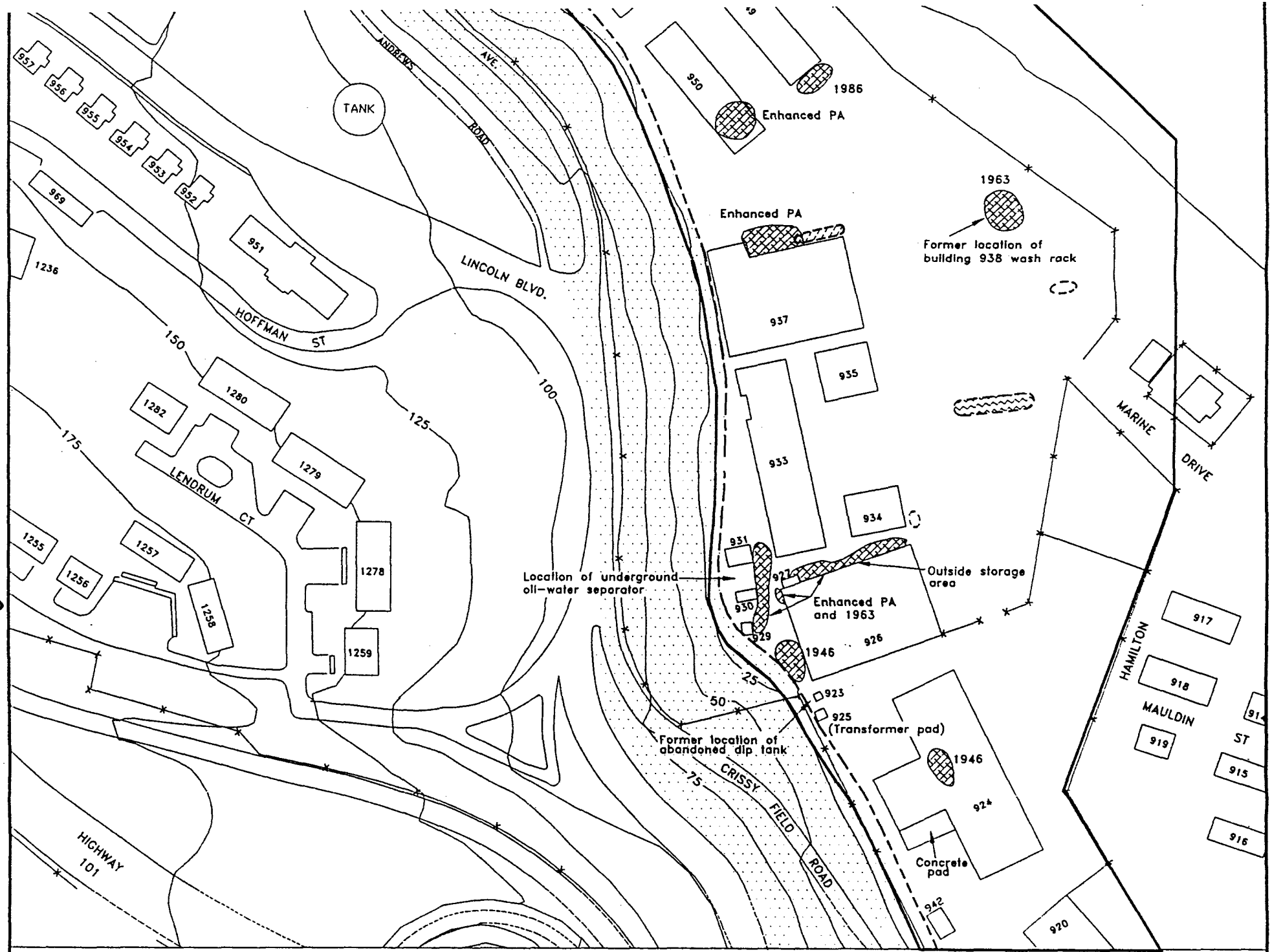
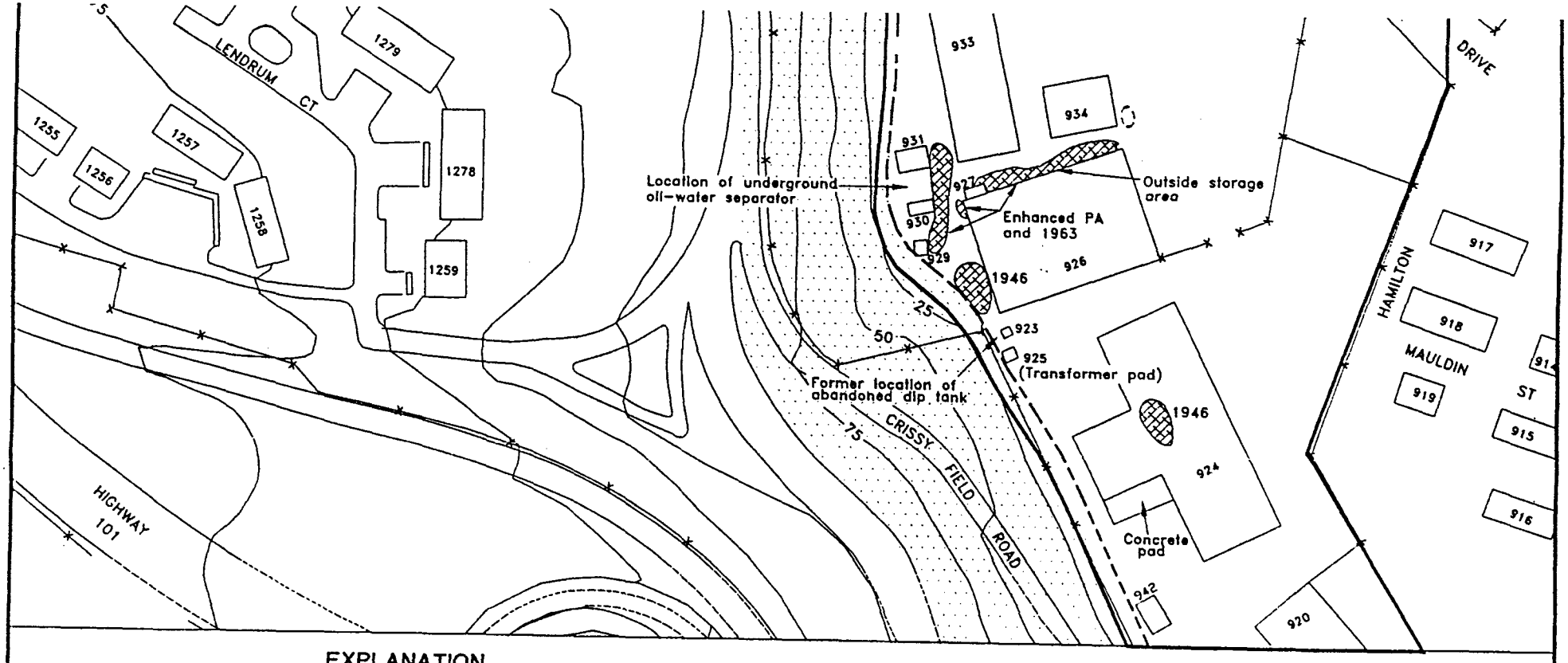


EXPLANATION

APPROXIMATE AREAL EXTENT



EXPLANATION

- STAINED AREA
- APPROXIMATE LOCATION OF USTs
- APPROXIMATE LOCATION OF USTs REMOVED DURING IRA
- APPROXIMATE 1948 LOCATION OF POSSIBLE ABOVEGROUND STORAGE TANKS
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- —175— TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET
- ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

NOTE: STAINED AREAS IDENTIFIED IN ENHANCED PRELIMINARY ASSESSMENT AND AERIAL PHOTOGRAPHS FROM 1946 TO 1988 (RINGDEN AND SITTON, 1990)

N

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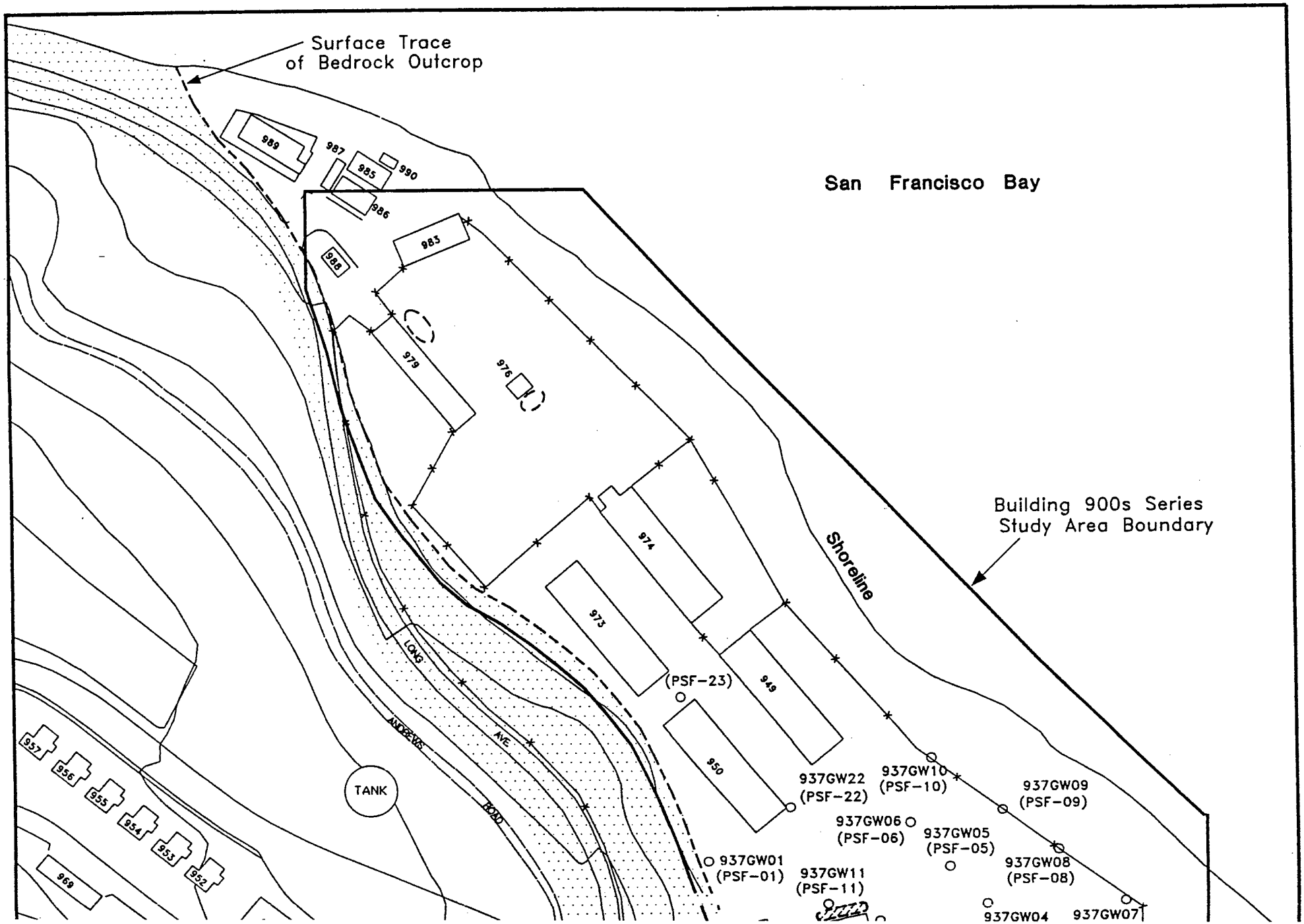
FEET

DAMES & MOORE

BUILDING 900s SERIES STUDY AREA, STAINED AREAS

PSF25141/DV1

Date: January 1997 | Figure 6.1-3


Surface Trace
of Bedrock Outcrop
San Francisco Bay
Building 900s Series
Study Area Boundary
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LONG
ANDREWS
AVE.
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937GW22
(PSF-22)
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(PSF-10)
937GW09
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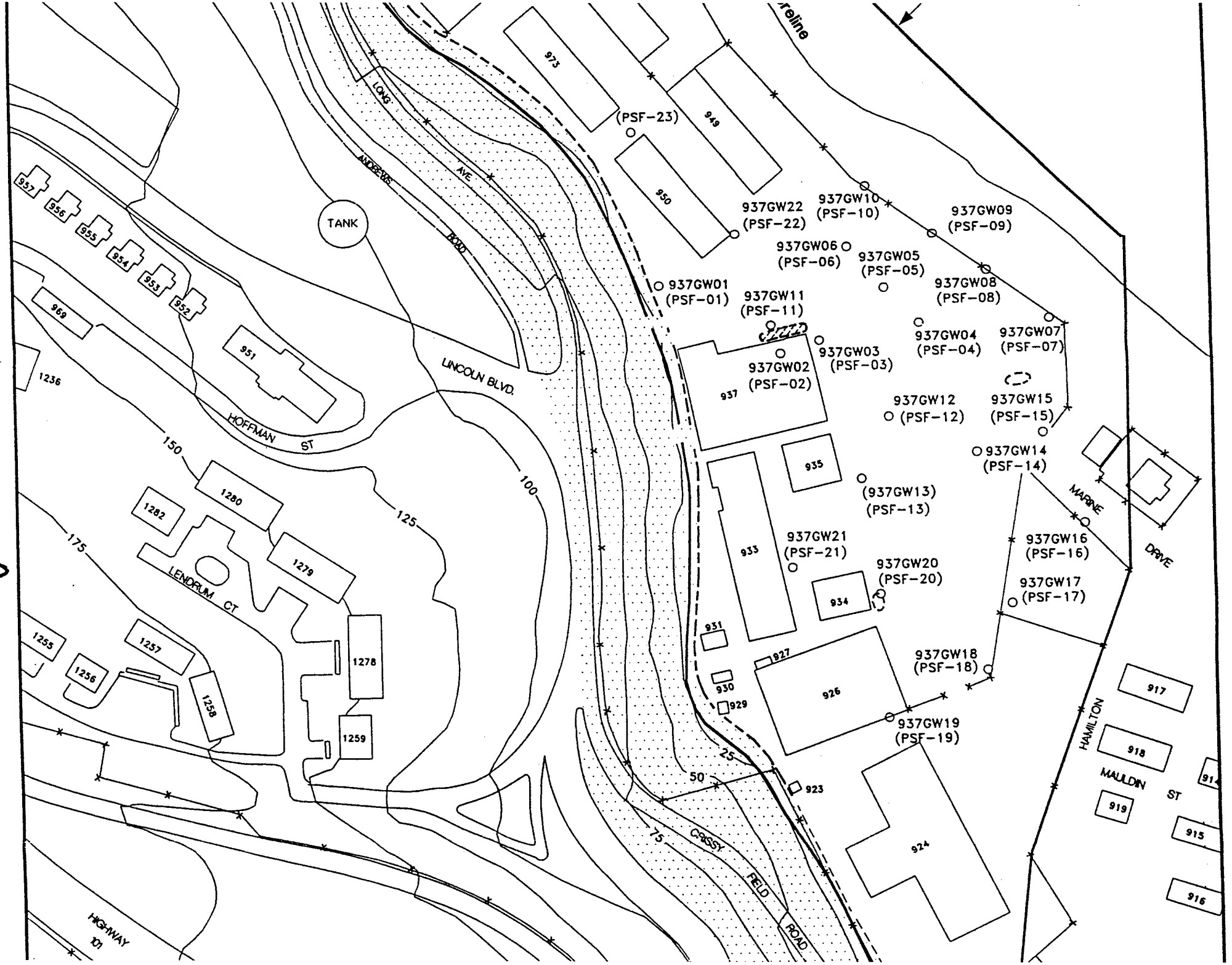
937GW06
(PSF-06)
937GW05
(PSF-05)
937GW01
(PSF-01)
937GW11
(PSF-11)
937GW08
(PSF-08)
937GW04
937GW07


(PSF-23)
937GW22 (PSF-22)
937GW10 (PSF-10)
937GW09 (PSF-09)
937GW06 (PSF-06)
937GW05 (PSF-05)
937GW08 (PSF-08)
937GW01 (PSF-01)
937GW11 (PSF-11)
937GW04 (PSF-04)
937GW07 (PSF-07)
937GW03 (PSF-03)
937GW02 (PSF-02)
937GW12 (PSF-12)
937GW15 (PSF-15)
937GW14 (PSF-14)
(937GW13) (PSF-13)
937GW21 (PSF-21)
937GW16 (PSF-16)
937GW20 (PSF-20)
937GW17 (PSF-17)
937GW18 (PSF-18)
937GW19 (PSF-19)
TANK
LINCOLN BLVD.
HOFFMAN ST
LENDRUM CT
ANDREWS AVE
LONG BOARD
MARINE DRIVE
HAMILTON
MAULDIN ST
CASSY FIELD ROAD
HIGHWAY 101
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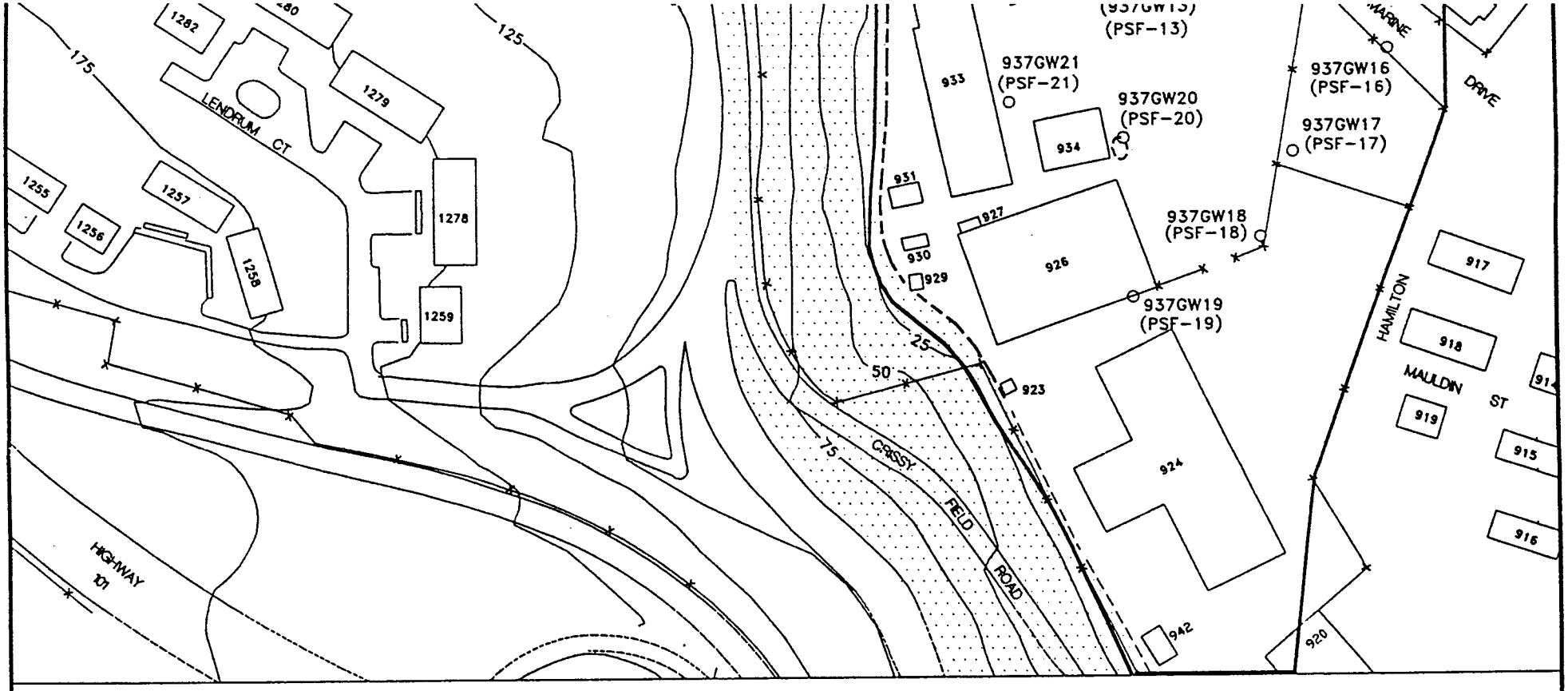


EXPLANATION

- O — SHALLOW MONITORING WELL[1]
- APPROXIMATE LOCATION OF USTs
- APPROXIMATE LOCATION OF USTs REMOVED DURING IRA
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- —175— TOPOGRAPHIC CONTOUR

CONTOUR INTERVAL 25 FEET

ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

NOTES : 1. SHALLOW MONITORING WELLS ARE SCREENED ACROSS THE WATER TABLE.

USAEHA IDENTIFICATION NUMBERS SHOWN IN PARENTHESES

N

0 75 150

FEET

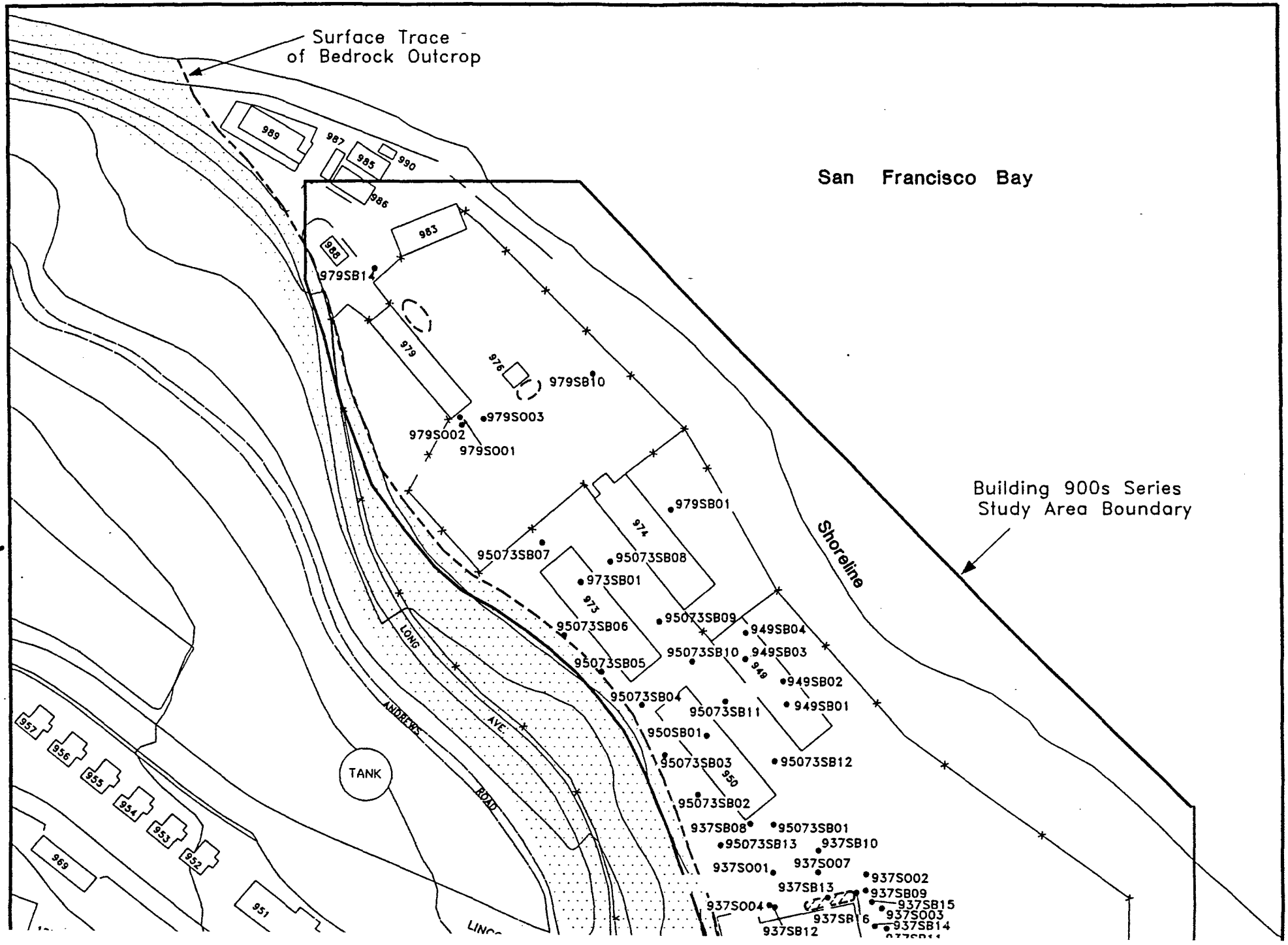
DAMES & MOORE

BUILDING 900s SERIES STUDY AREA 1984 AND 1986 MONITORING WELL LOCATIONS

PSF25122\DV1

Date: January 1997

Figure 6.1–4


Surface Trace of Bedrock Outcrop
San Francisco Bay
Building 900s Series Study Area Boundary
Shoreline
989
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988
979SB14
979
976
979SB10
979SO03
979SO02
979SO01
979SB01
974
95073SB07
95073SB08
973SB01
973
95073SB06
95073SB09
949SB04
LONG
95073SB10
949SB03
95073SB05
949
949SB02
95073SB04
95073SB11
949SB01
ANDREWS
AVE.
950SB01
95073SB03
95073SB12
950
TANK
ROAD
95073SB02
937SB08
95073SB01
95073SB13
937SB10
937SO01
937SO07
937SO02
937SB13
937SB09
937SO04
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937SB16
937SO03
937SB12
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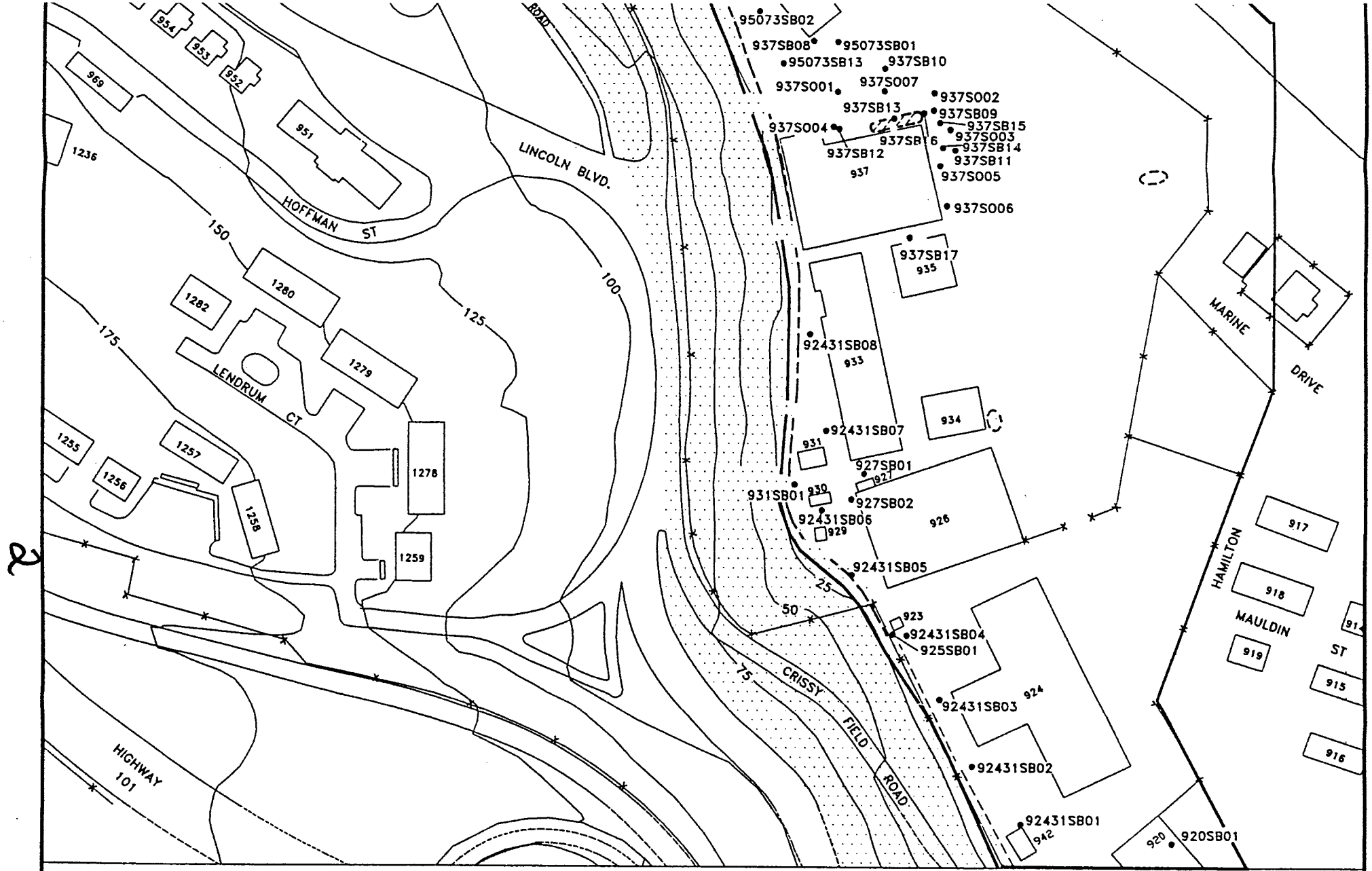
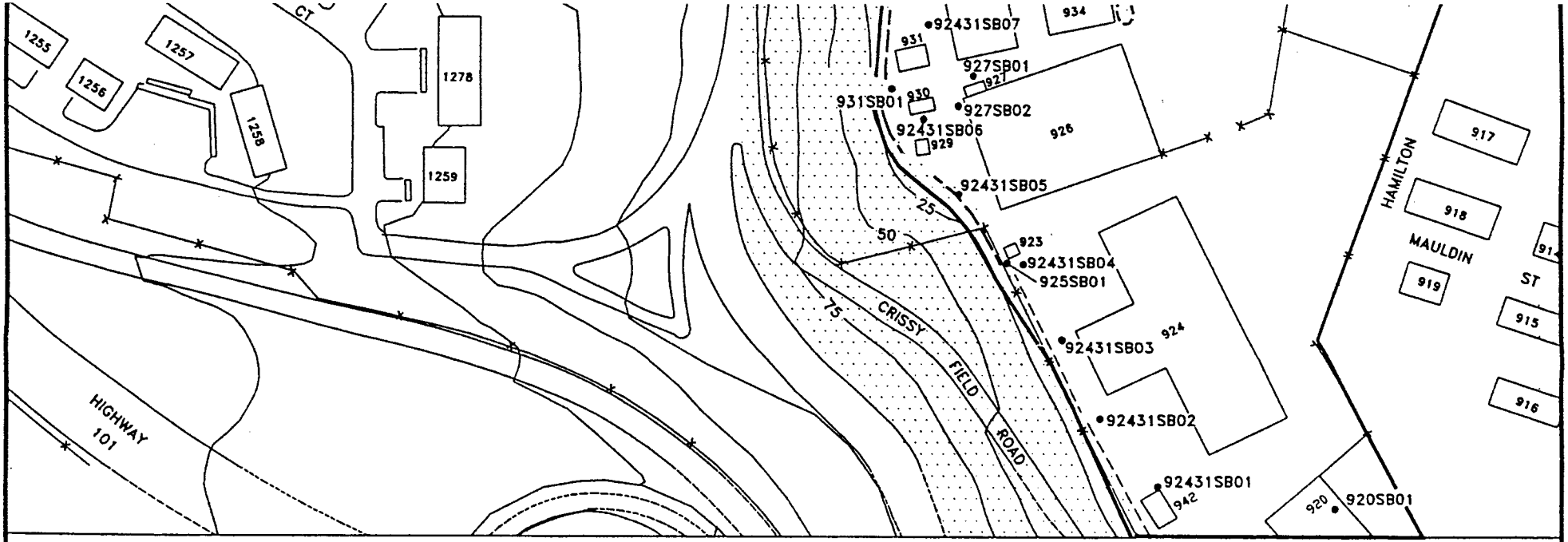


EXPLANATION

- SOIL BORING
- APPROXIMATE LOCATION OF USTs
- APPROXIMATE LOCATION OF USTs REMOVED DURING IRA
- —175— TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET
- ELEVATIONS IN FEET—PRESIDIO LOWER LOW WATER

N

DAMES & MOORE



EXPLANATION

- SOIL BORING
- APPROXIMATE LOCATION OF USTs
- APPROXIMATE LOCATION OF USTs REMOVED DURING IRA
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- —175— TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET
- ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

NOTES :
1. SHALLOW MONITORING WELLS ARE SCREENED ACROSS THE WATER TABLE.
2. DEEP MONITORING WELLS ARE SCREENED AT BOTTOM OF AQUIFER.

–N–

0 75 150
FEET

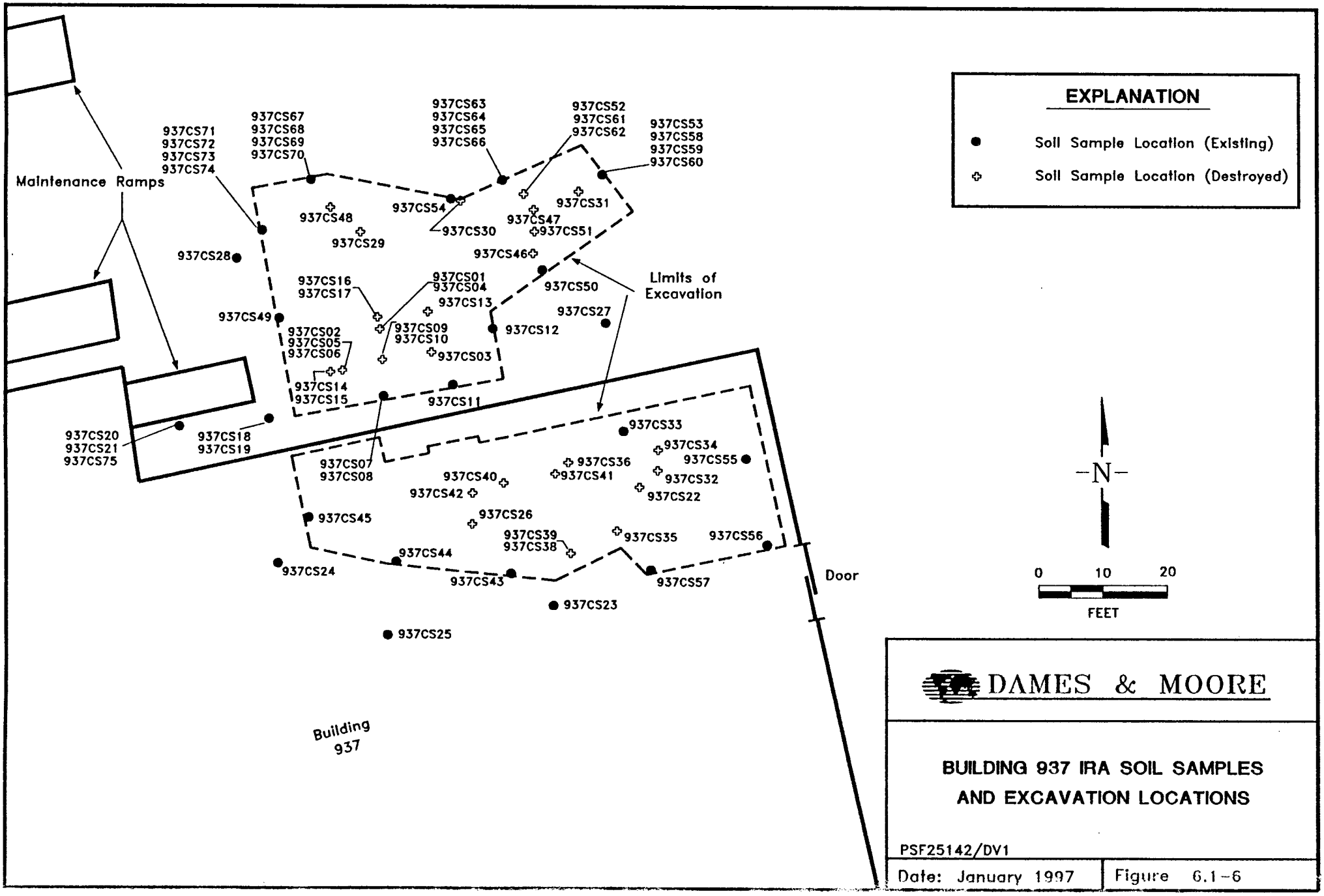
DAMES & MOORE

BUILDING 900s SERIES STUDY AREA SOIL BORING LOCATIONS

PSF25024/DV1

Date: January 1997

Figure 6.1–5

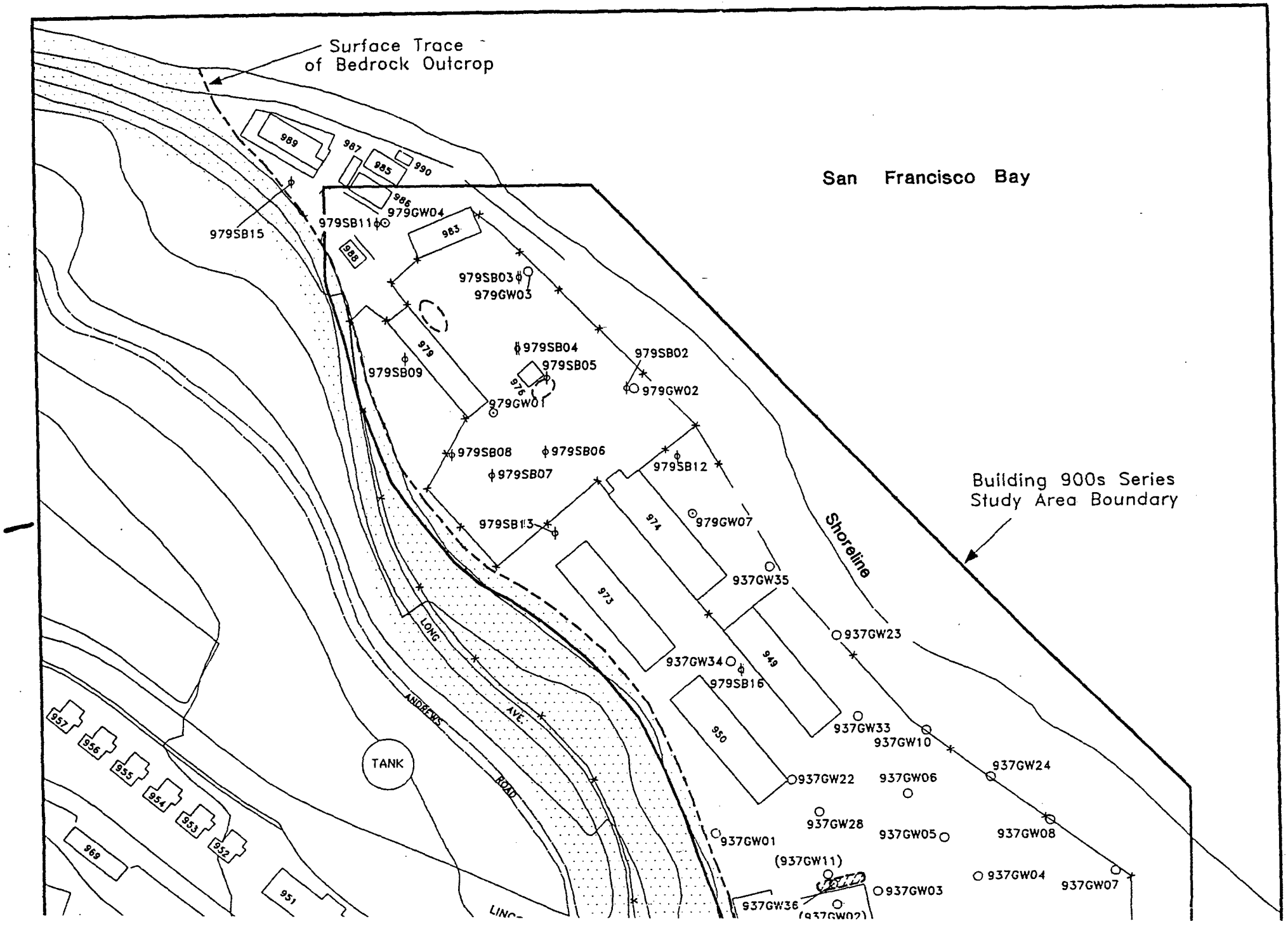


DAMES & MOORE

BUILDING 937 IRA SOIL SAMPLES AND EXCAVATION LOCATIONS

PSF25142/DV1

Date: January 1997 | Figure 6.1-6


Surface Trace
of Bedrock Outcrop
San Francisco Bay
Building 900s Series
Study Area Boundary
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ANDREWS
AVE.
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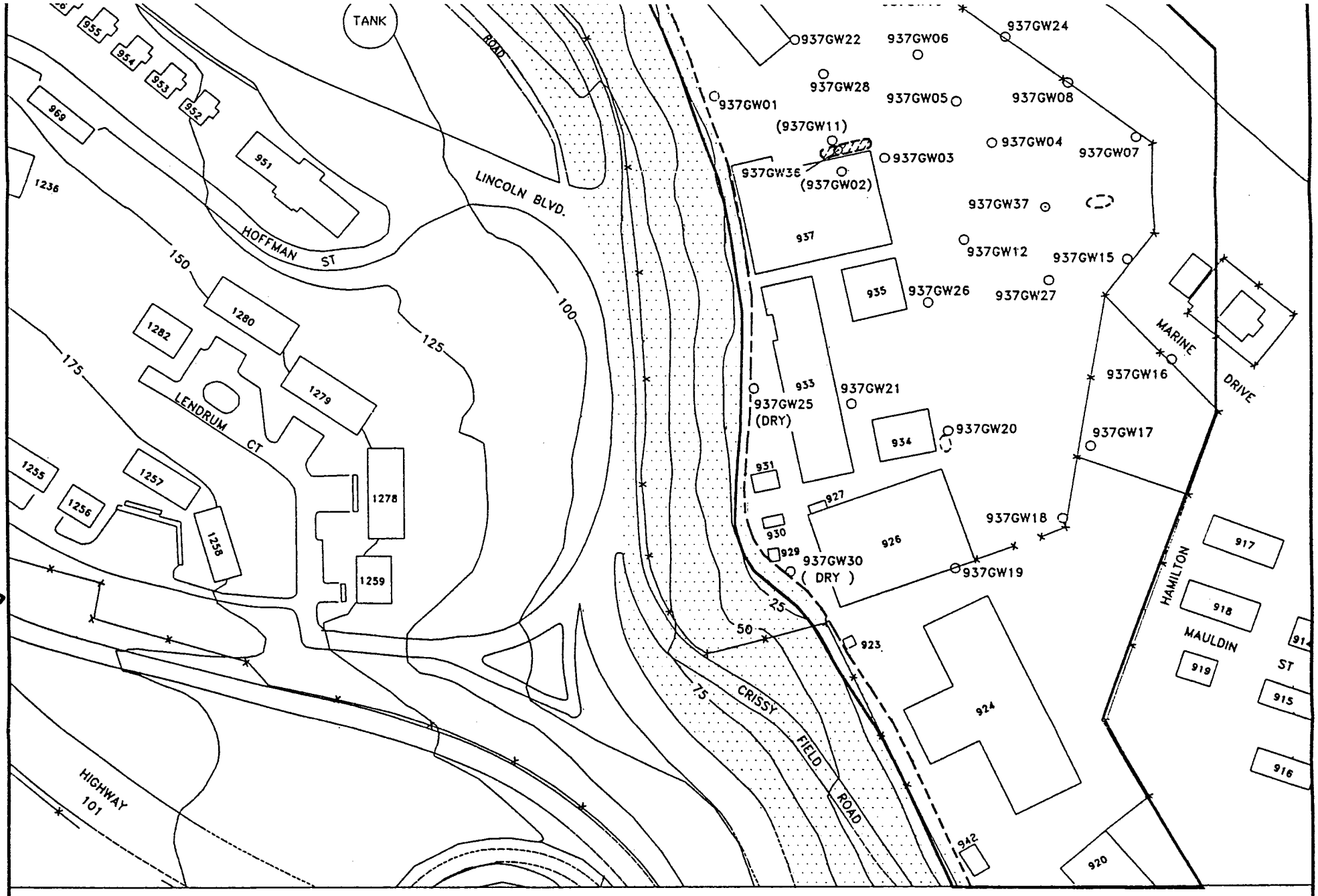
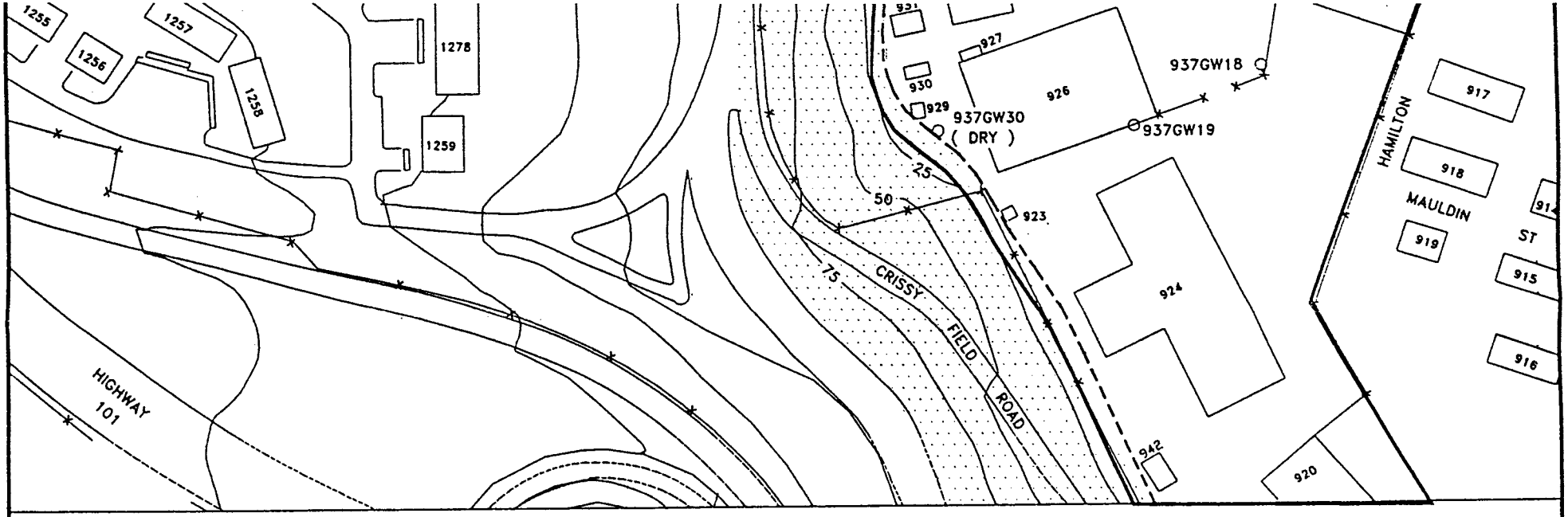


EXPLANATION

- ○ SHALLOW MONITORING WELL
- ⊙ SHALLOW MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING WITH DISCRETE
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- —175— TOPOGRAPHIC CONTOUR

—N—

DAMES & MOORE



EXPLANATION

- ○ SHALLOW MONITORING WELL
- ⊙ SHALLOW MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- ϕ DISCRETE GROUNDWATER SAMPLE
- APPROXIMATE LOCATION OF USTs
- APPROXIMATE LOCATION OF USTs REMOVED DURING IRA
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- —175— TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET
- ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

NOTE: SHALLOW MONITORING WELLS ARE SCREENED ACROSS THE WATER TABLE. PARENTHESES INDICATE WELLS REMOVED DURING IRA TANK EXCAVATIONS.

-N-

0 75 150

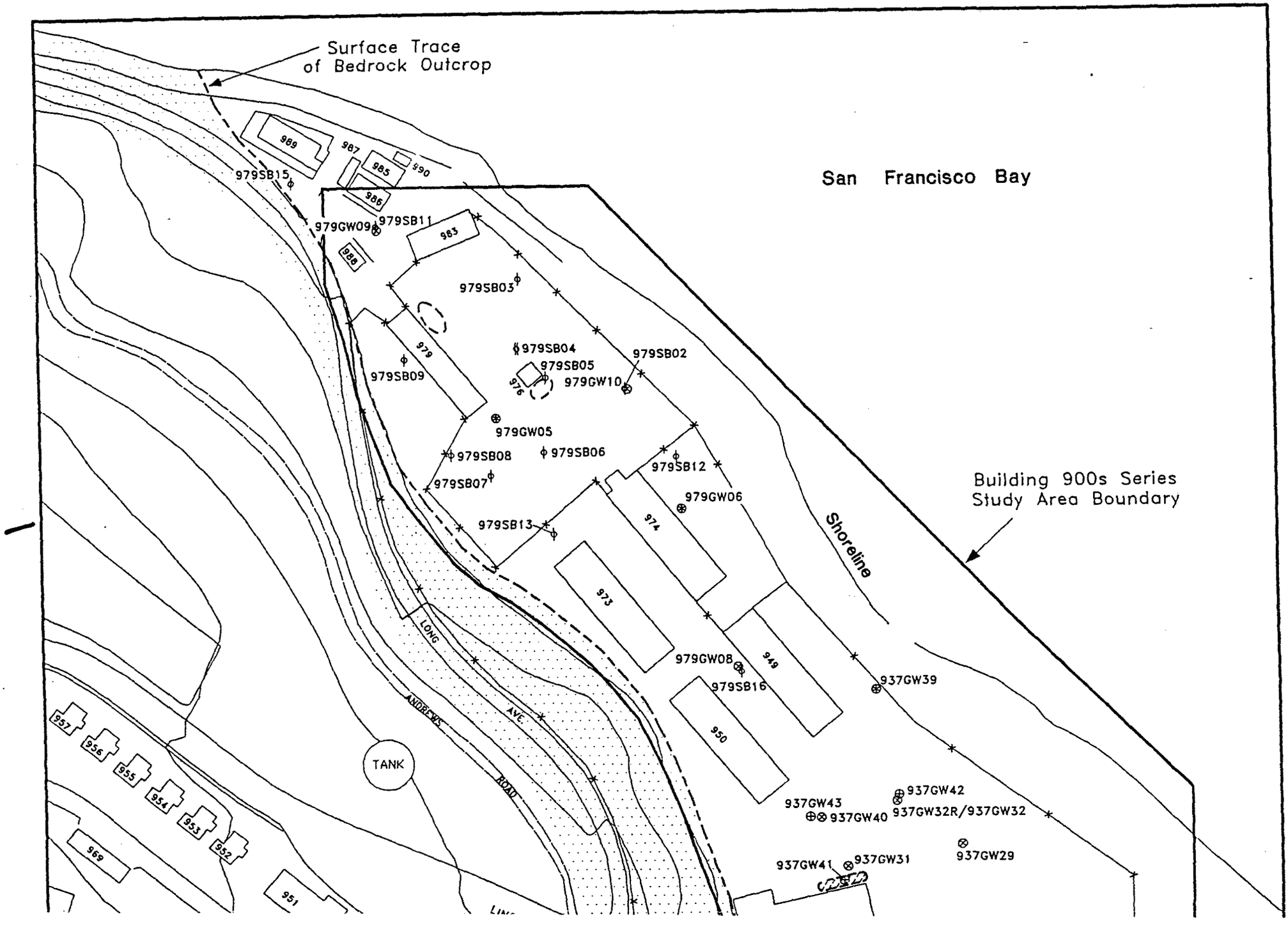
FEET

DAMES & MOORE

BUILDING 900s SERIES STUDY AREA, CURRENT SHALLOW MONITORING WELLS AND DISCRETE GROUNDWATER SAMPLE LOCATIONS

PSF25023/DV1

Date: January 1997 | Figure 6.2-1


Surface Trace
of Bedrock Outcrop
San Francisco Bay
Building 900s Series
Study Area Boundary
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979GW05
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979GW06
979SB13
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979GW08
979SB16
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937GW42
937GW43
937GW40
937GW32R/937GW32
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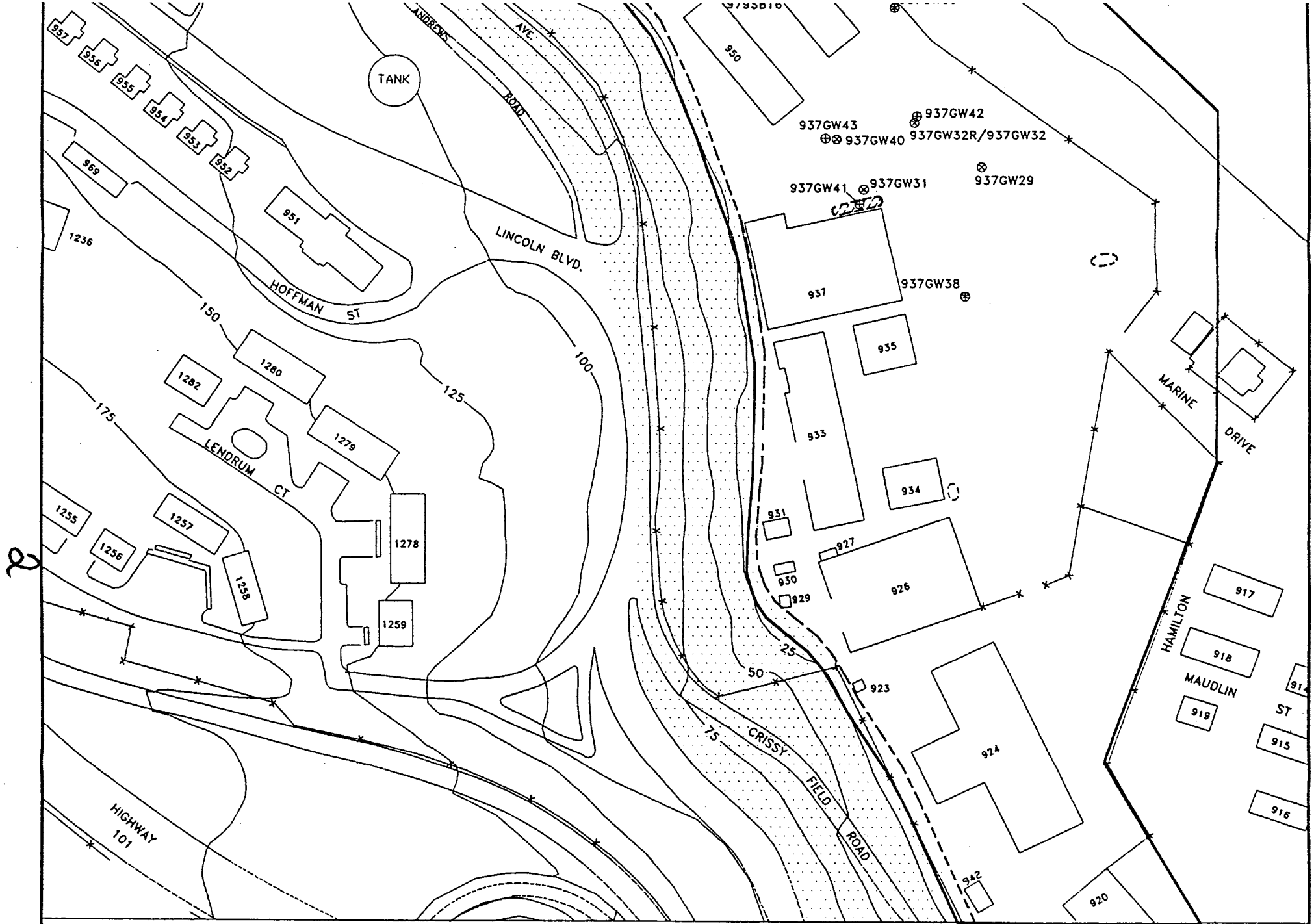
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937GW41
937GW31
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HOFFMAN ST
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LENDRUM CT
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CRISSY FIELD ROAD
HAMILTON
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MAUDLIN
ST
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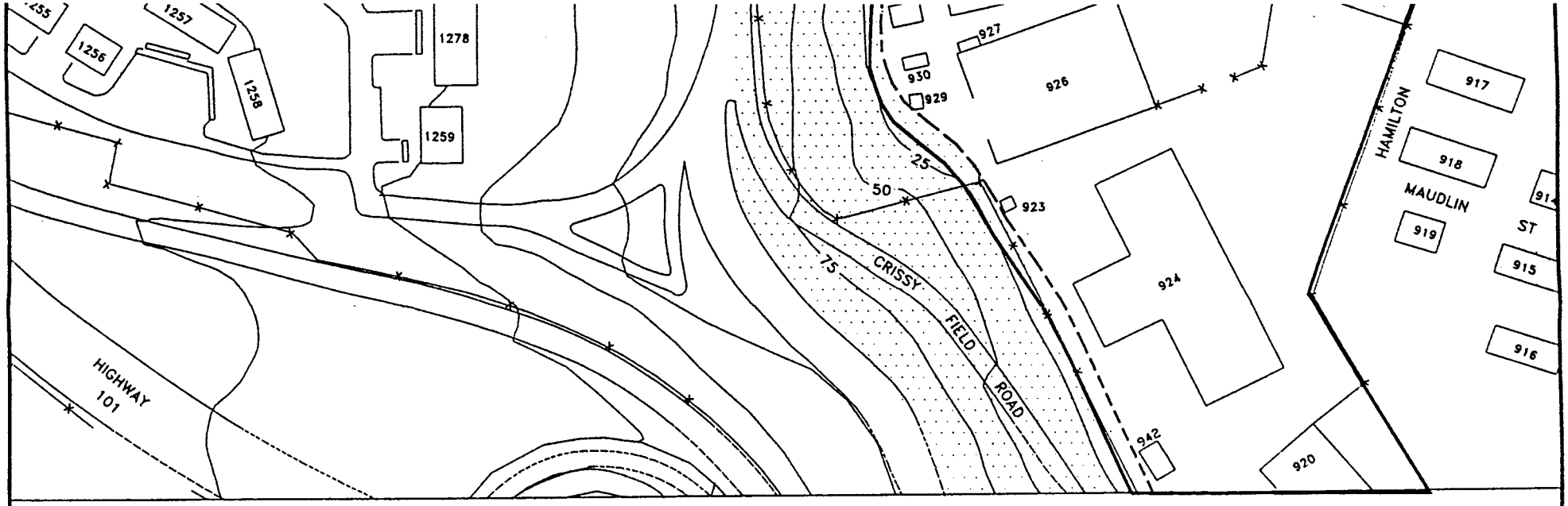
HIGHWAY 101
EXPLANATION
INTERMEDIATE MONITORING WELL
APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP



EXPLANATION

- ⊕ INTERMEDIATE MONITORING WELL
- ⊗ DEEP MONITORING WELL
- ⊛ DEEP MONITORING WELL WITH SOIL SAMPLES
- ϕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- ϕ DISCRETE GROUNDWATER SAMPLE
- APPROXIMATE LOCATION OF USTs
- APPROXIMATE LOCATION OF USTs REMOVED DURING IRA
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- —175— TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET
- ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

NOTE: INTERMEDIATE MONITORING WELLS ARE SCREENED ENTIRELY WITHIN THE SATURATED ZONE AND ABOVE BEDROCK

DEEP MONITORING WELLS ARE SCREENED AT BOTTOM OF AQUIFER.

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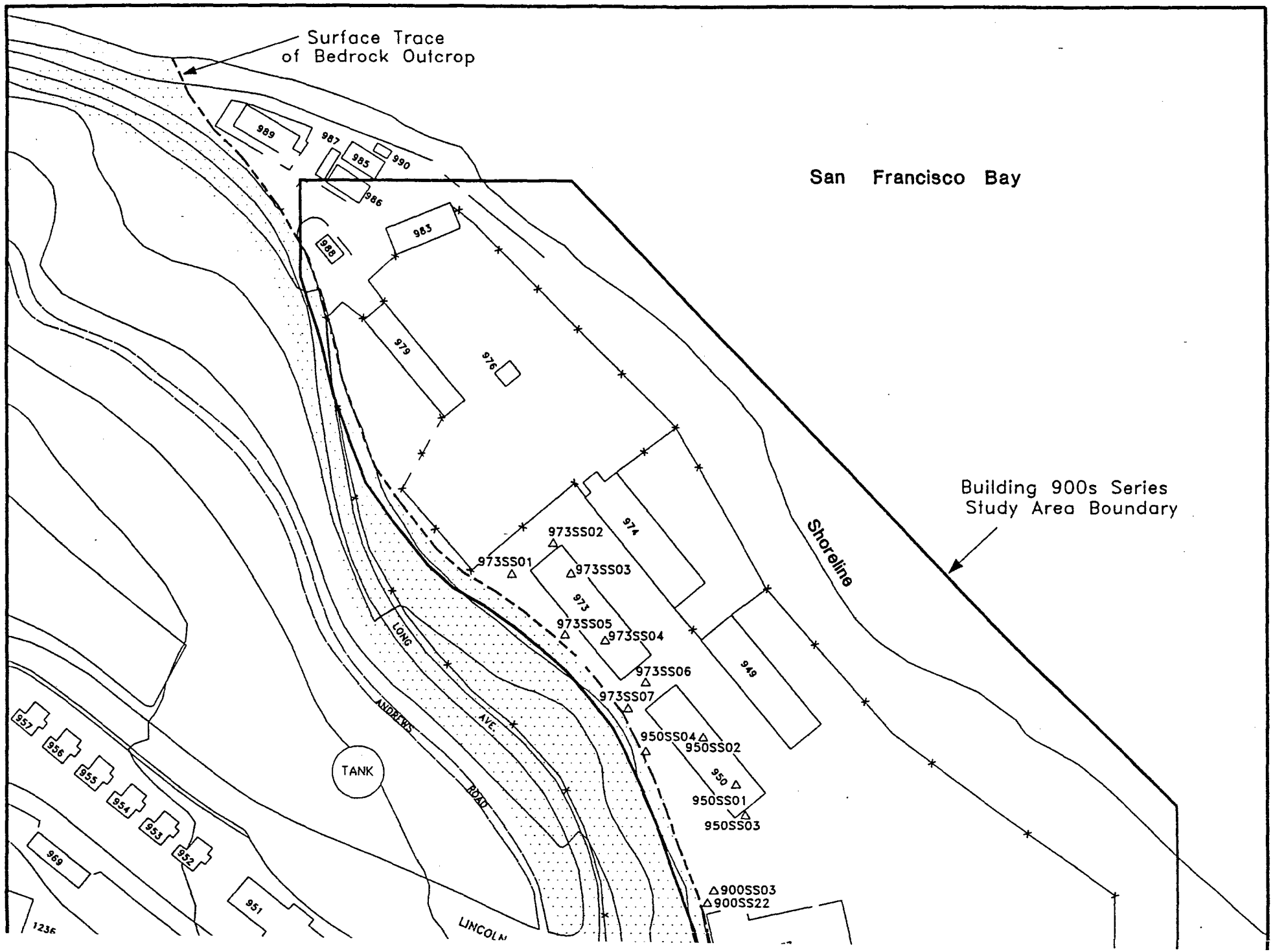
FEET

DAMES & MOORE

BUILDING 900s SERIES STUDY AREA, CURRENT INTERMEDIATE AND DEEP MONITORING WELLS AND DISCRETE GROUNDWATER SAMPLE LOCATIONS

PSF25091\DV1

Date: January 1997 | Figure 6.2-2


Surface Trace
of Bedrock Outcrop
San Francisco Bay
Building 900s Series
Study Area Boundary
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950SS02
950SS03
950SS04
900SS03
900SS22
LONG
ANDREWS
AVE.
ROAD
TANK
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969
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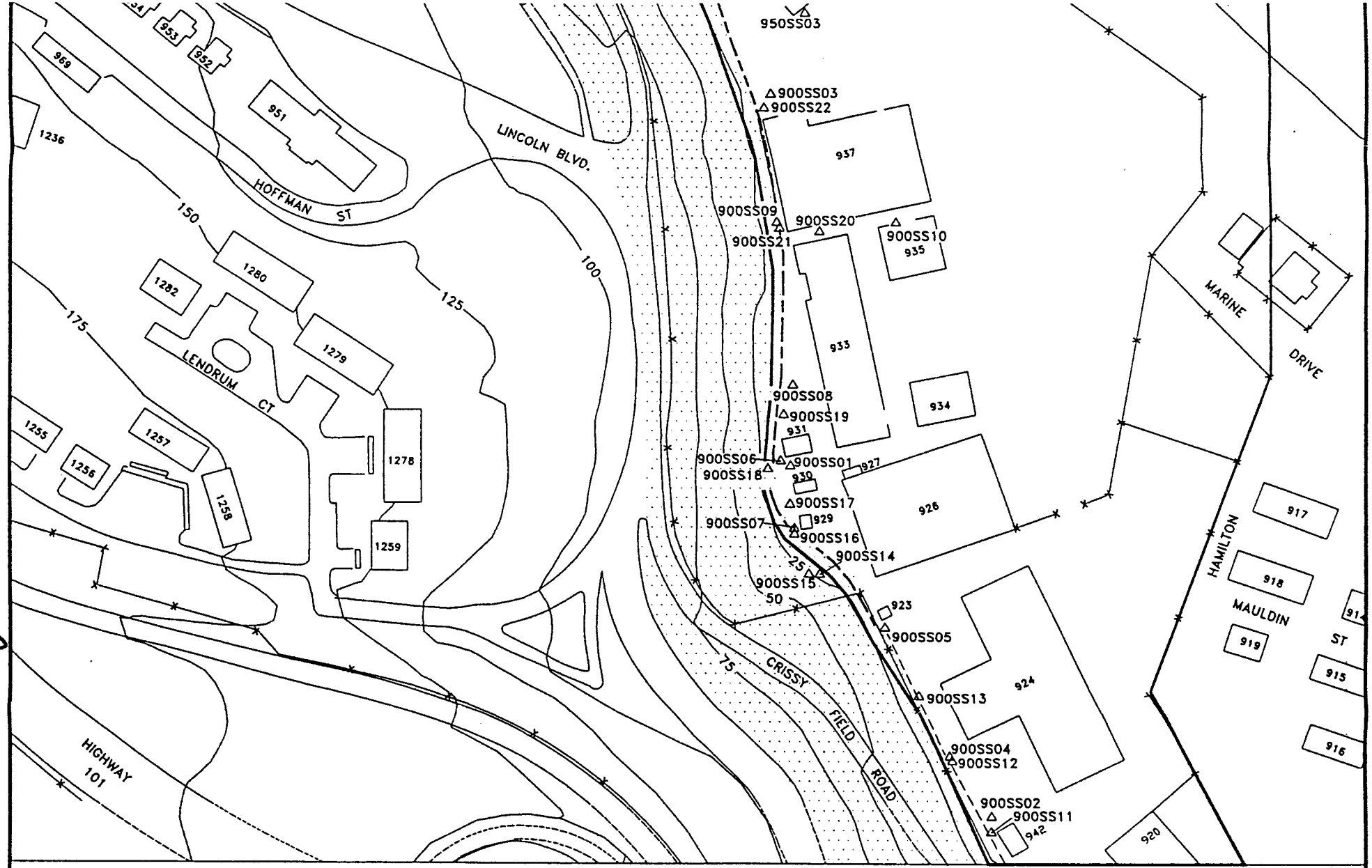
LINCOLN



EXPLANATION

△ SURFACE SOIL SAMPLE

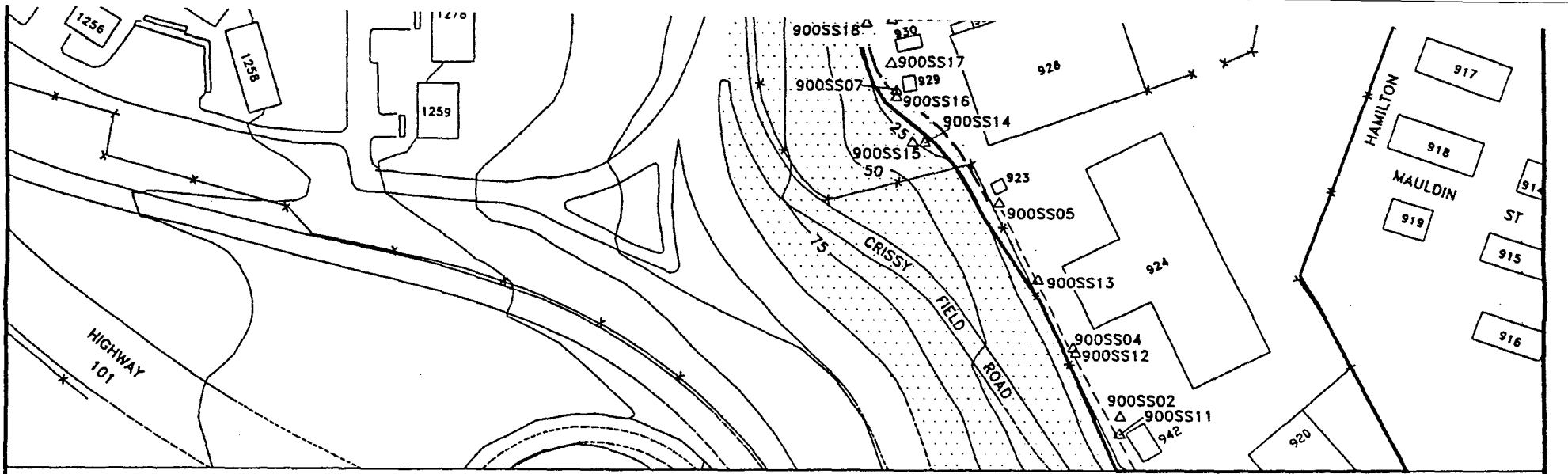
APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP

—175— TOPOGRAPHIC CONTOUR

-N-

DAMES & MOORE

BUILDING 900s SERIES STUDY AREA



EXPLANATION

- △ SURFACE SOIL SAMPLE
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- —175— TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET
- ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

-N-

0 75 150

FEET

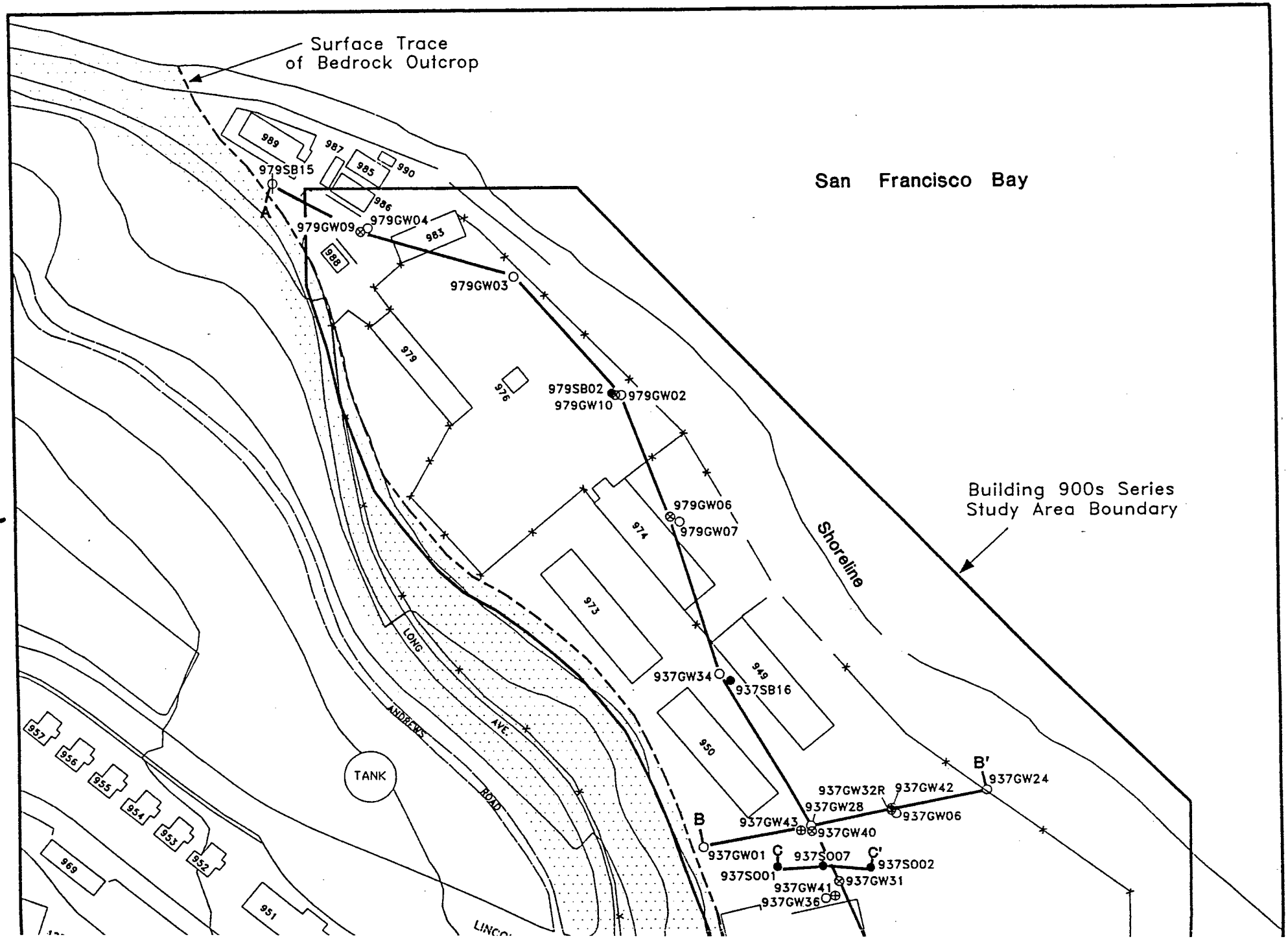
DAMES & MOORE

BUILDING 900s SERIES STUDY AREA
SURFACE SOIL SAMPLE LOCATIONS

PSF25138/DV1

Date: January 1997

Figure 6.2-3


Surface Trace
of Bedrock Outcrop
San Francisco Bay
Building 900s Series
Study Area Boundary
Shoreline
989
987
985
990
986
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988
979
976
974
973
949
950
957
956
955
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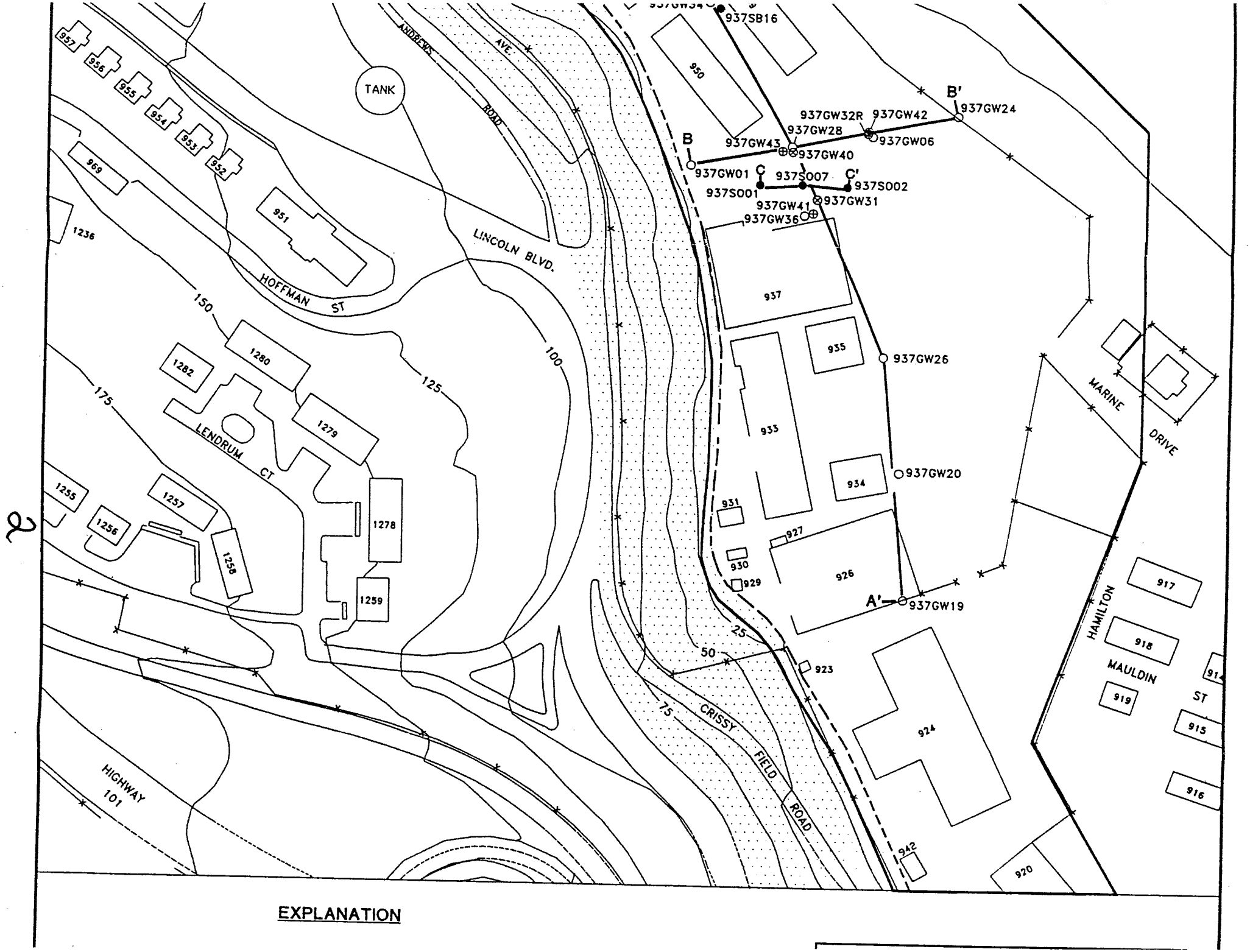
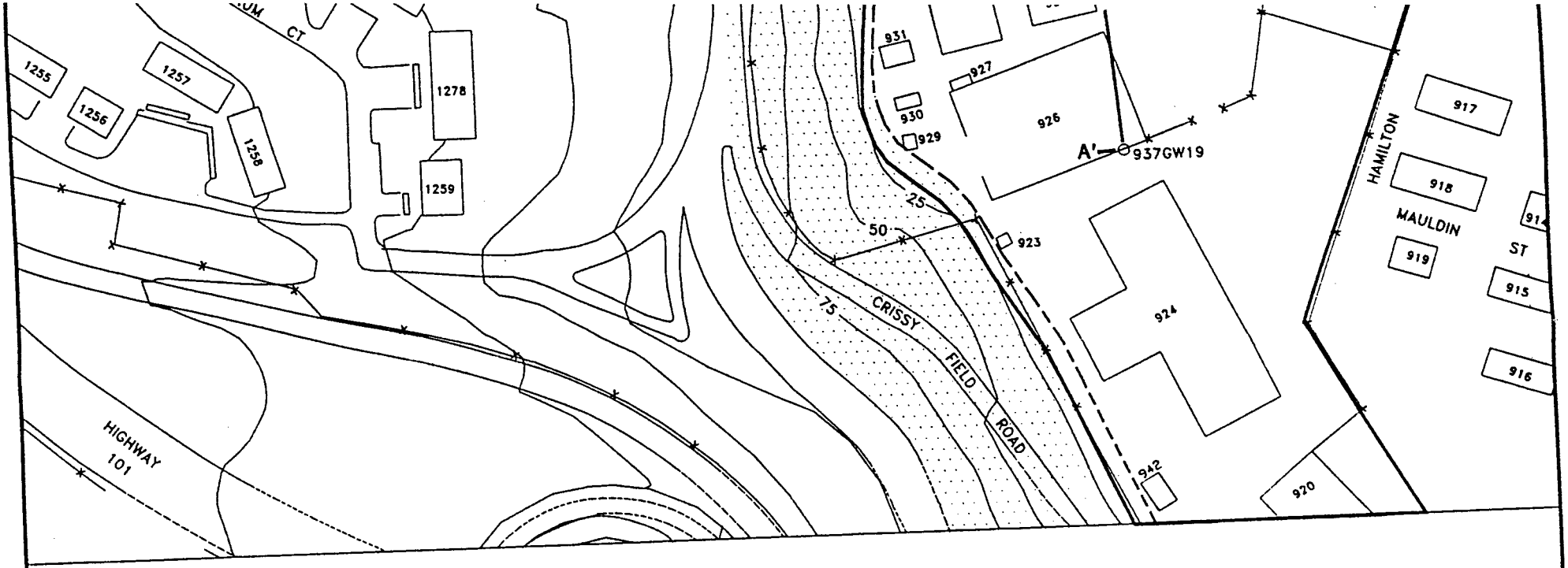
953
952
969
951
TANK
LONG
AVE.
ANDREWS
ROAD
979SB15
979GW09
979GW04
979GW03
979SB02
979GW10
979GW02
979GW06
979GW07
937GW34
937SB16
937GW24
937GW32R
937GW42
937GW28
937GW06
937GW43
937GW40
937GW01
937S007
937S002
937S001
937GW41
937GW31
937GW36
A
A'
B
B'
C
C'



EXPLANATION



EXPLANATION

- SOIL BORING
- DISCRETE GROUNDWATER SAMPLE
- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- A A' CROSS-SECTION LINE
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- 175 TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET
- ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

N

0 75 150
FEET

DAMES & MOORE

BUILDING 900s SERIES STUDY AREA, CROSS-SECTION LOCATIONS

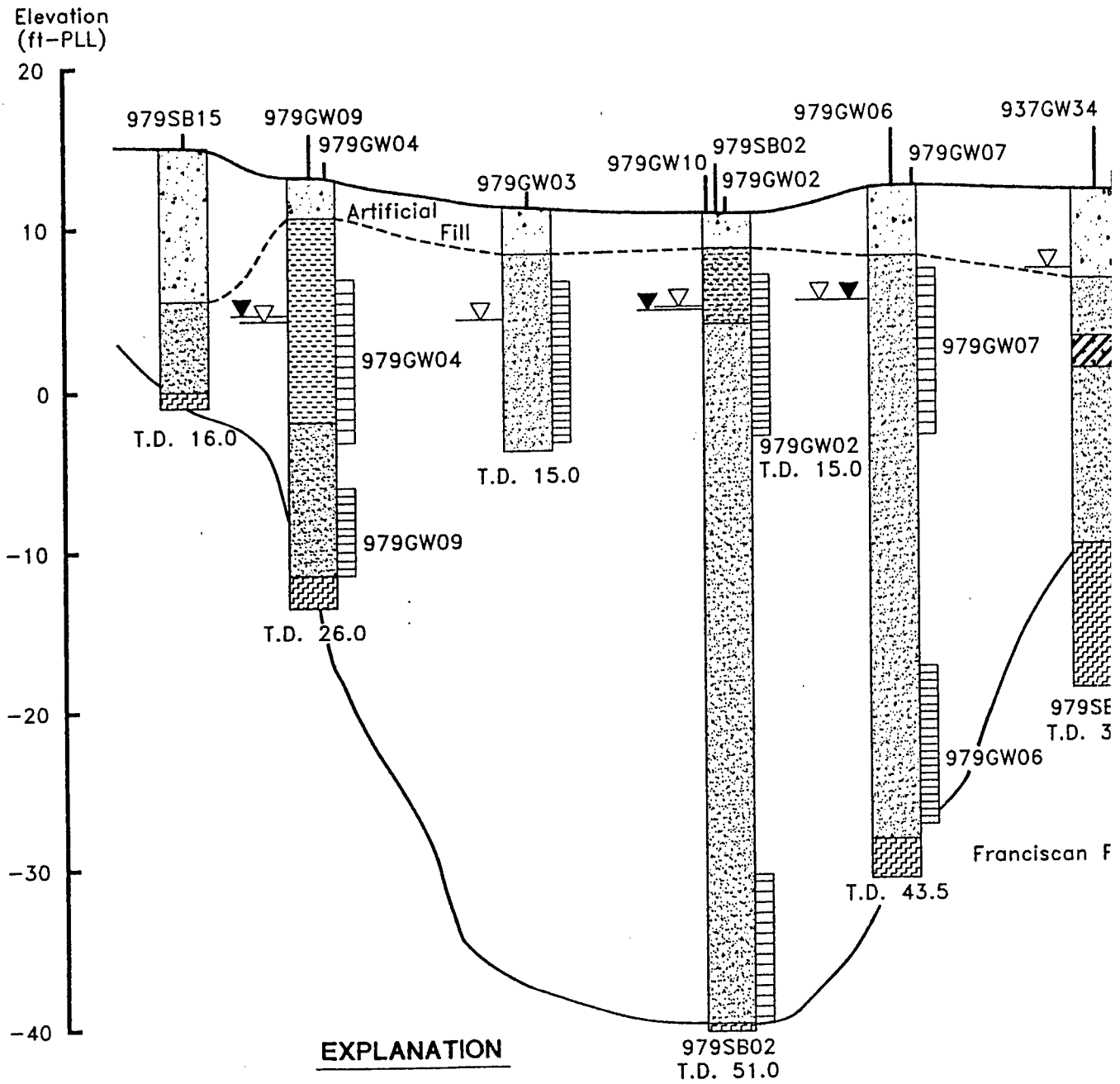
PSF25116/DV1

Date: January 1997

Figure 6.3-1

North-Northwest

A



EXPLANATION

- Artificial Fill
- Organic Matter
- Clay
- Silt
- Sand
- Gravel
- Serpentinite

- Water Level Shallow Wells
- Water Level Intermediate Wells
- Water Level Deep Wells

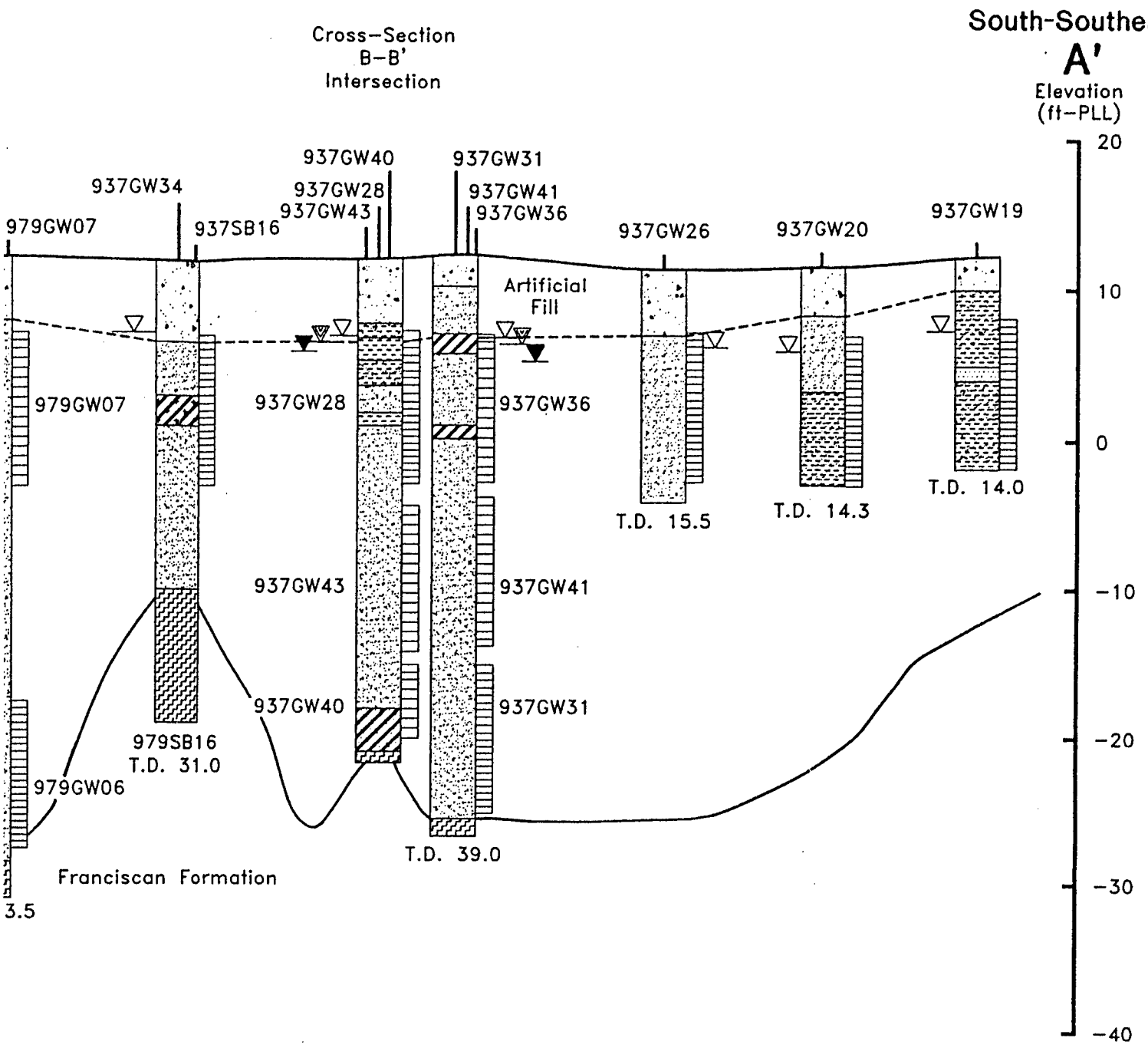
Water Level 03/16/95,0957-1035 PST
High Tide: 1050 PST: 5.4 ft-PLL

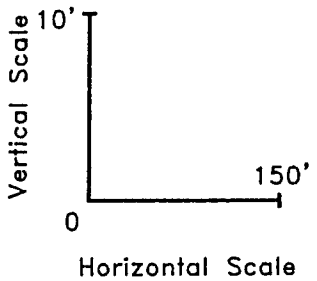
T.D. Total Depth (ft bgs)

---- Contact,

ft-PLL feet-Pre

Well Scr





---- Contact, dashed where inferred

·PLL feet-Presidio Lower Low Water

Well Screen Interval

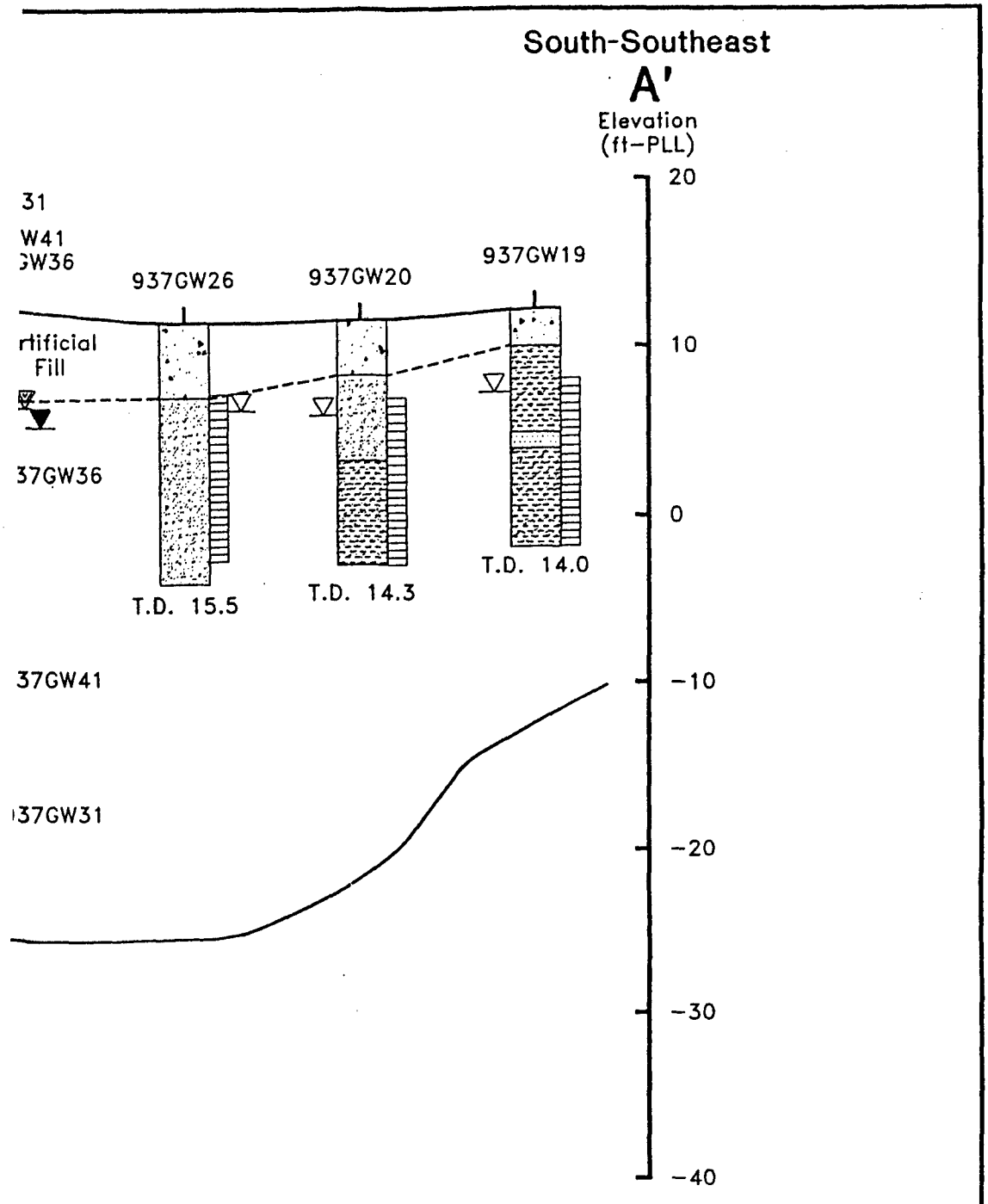
Note: Franciscan Formation contact based on well logs and bedrock structure contour map (Figure 6.3-5)

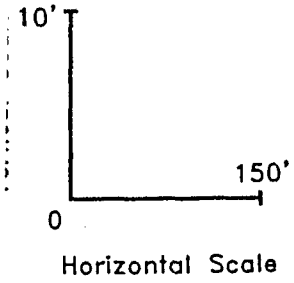
DAMES & M

BUILDING 900s SERIES ST
CROSS SECTION A

PSF25106/DV1

Date: January 1997 | Figure





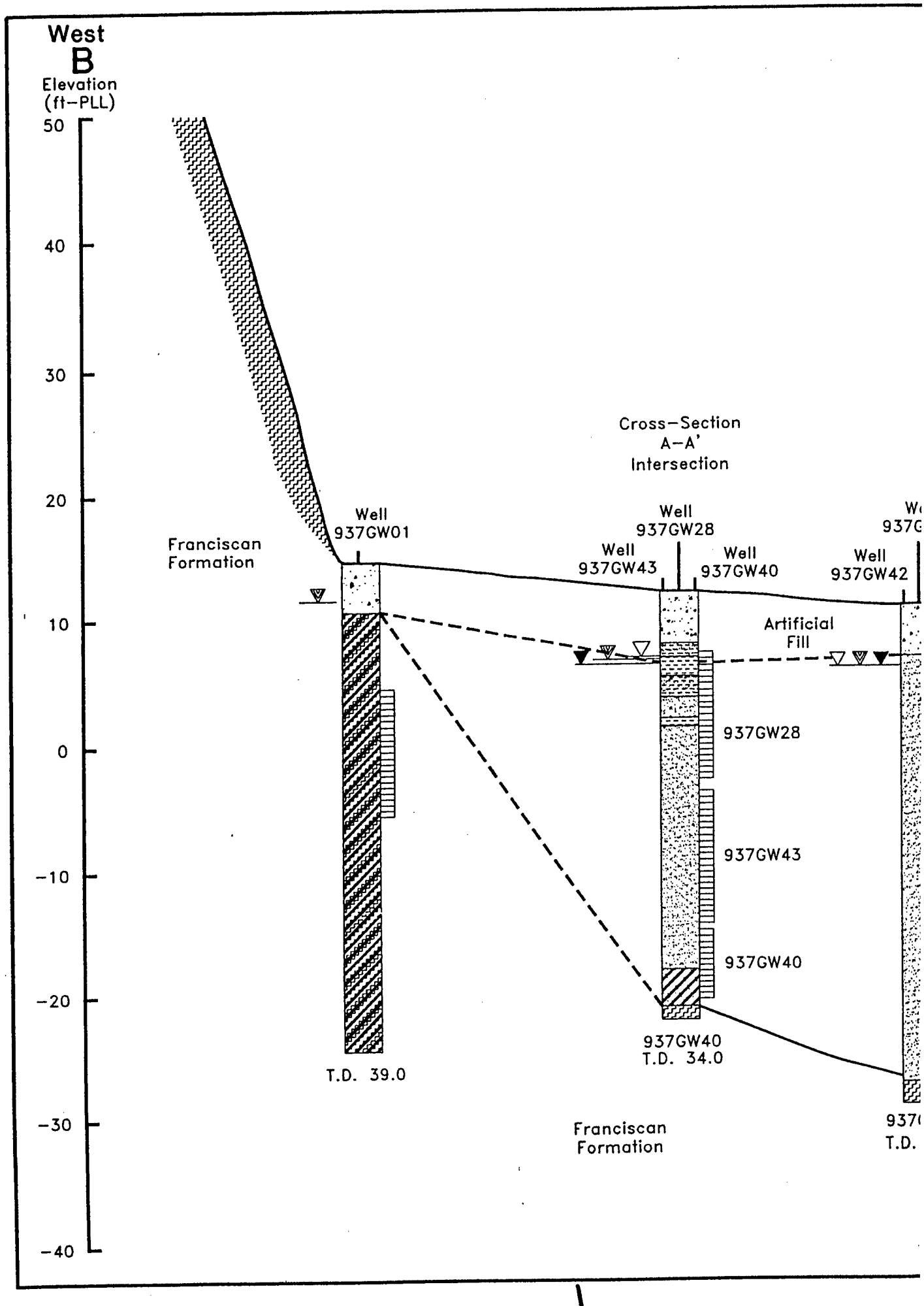
:iscan Formation contact based
ell logs and bedrock structure
ur map (Figure 6.3-5)

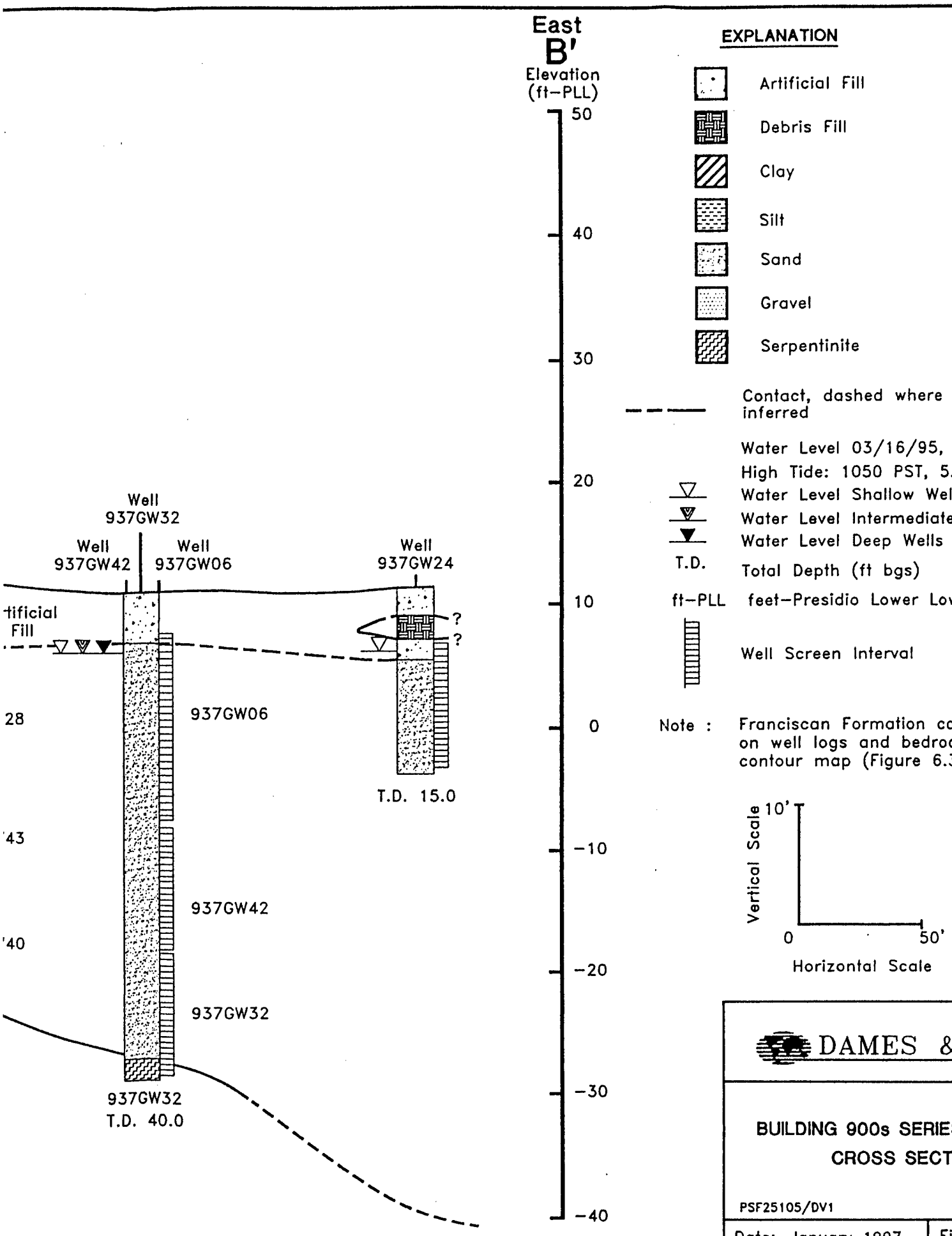
DAMES & MOORE

BUILDING 900s SERIES STUDY AREA
CROSS SECTION A-A'

PSF25106/DV1

Date: January 1997 | Figure 6.3-2


West
B
Elevation
(ft-PLL)
50
40
30
20
10
0
-10
-20
-30
-40
Cross-Section
A-A'
Intersection
Franciscan
Formation
Well
937GW01
Well
937GW28
Well
937GW43
Well
937GW40
Well
937GW42
Artificial
Fill
937GW28
937GW43
937GW40
937GW40
T.D. 34.0
T.D. 39.0
Franciscan
Formation
T.D.



DAMES & M

BUILDING 900s SERIES ST

CROSS SECTION I

PSF25105/DV1

Date: January 1997 | Figure

East

B'

Elevation (ft–PLL)

50

40

30

20

10

0

–10

–20

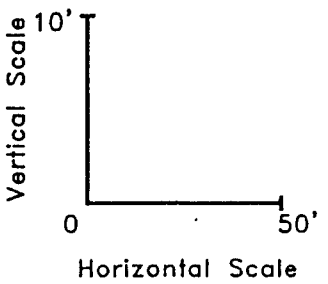
–30

–40

EXPLANATION

- Artificial Fill
- Debris Fill
- Clay
- Silt
- Sand
- Gravel
- Serpentinite
- Contact, dashed where inferred
- Water Level 03/16/95, 0957–1035 PST
- High Tide: 1050 PST, 5.4 ft mll
- Water Level Shallow Wells
- Water Level Intermediate Wells
- Water Level Deep Wells
- T.D. Total Depth (ft bgs)
- ft–PLL feet–Presidio Lower Low Water
- Well Screen Interval

Note : Franciscan Formation contact based on well logs and bedrock structure contour map (Figure 6.3–5)

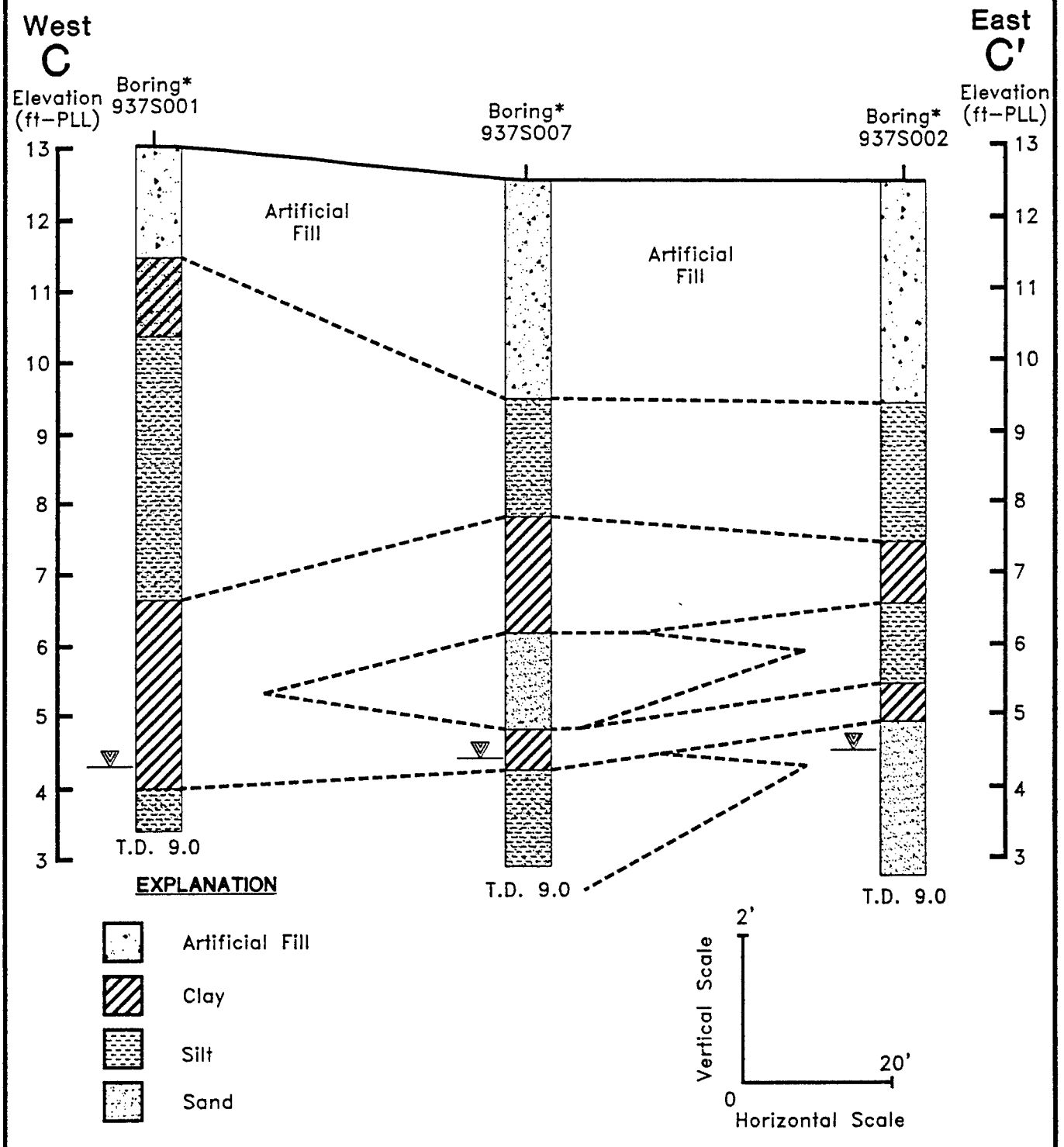


DAMES & MOORE

BUILDING 900s SERIES STUDY AREA
CROSS SECTION B-B'

PSF25105/DV1

Date: January 1997 | Figure 6.3–3



Contact, dashed where inferred

Saturation depth during drilling

T.D. Total Depth (ft bgs)

ft-PLL feet-Presidio Lower Low Water

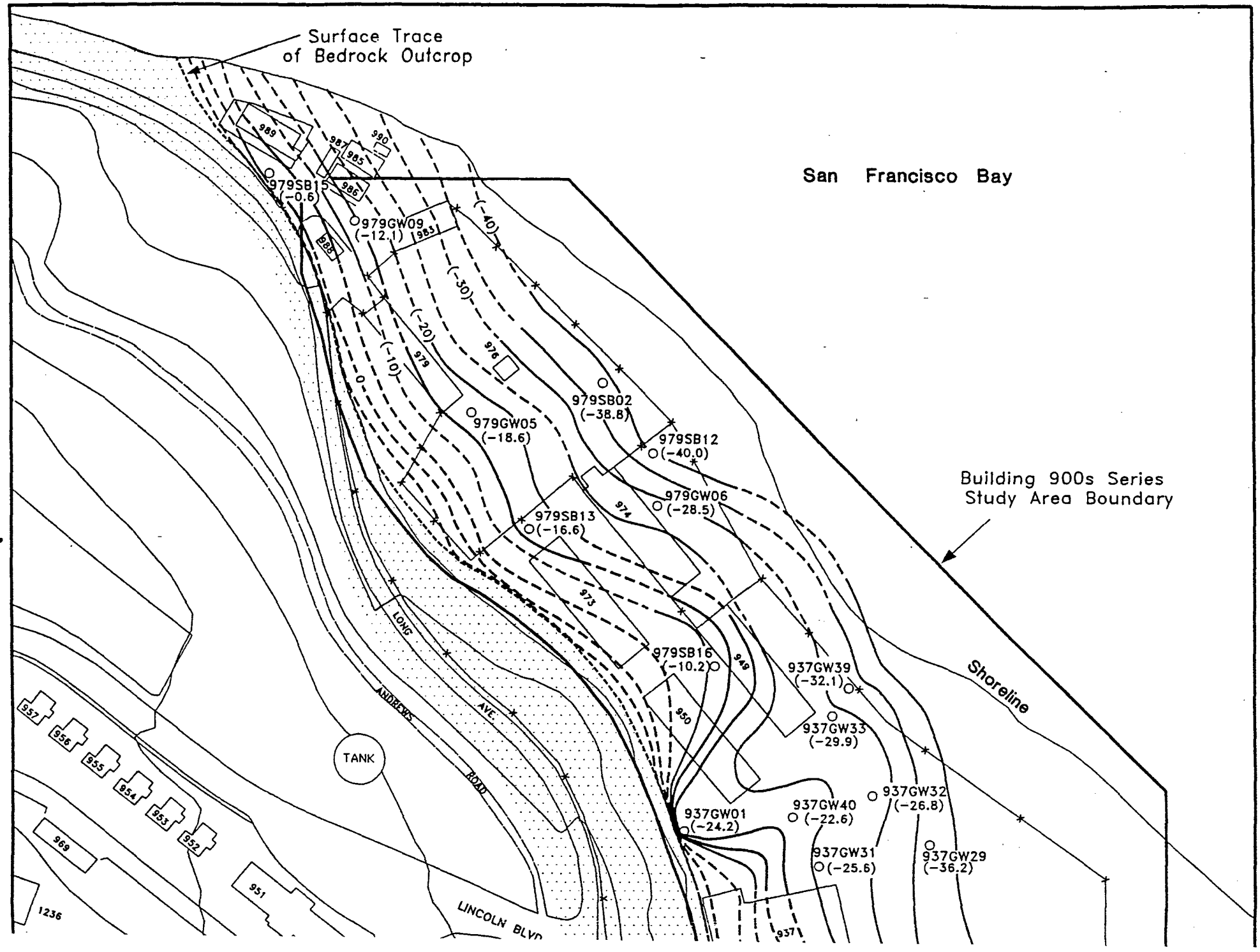
* Approximate Location & Elevation

DAMES & MOORE

BUILDING 900s SERIES STUDY AREA
CROSS SECTION C-C'

PSF25117/DV1

Date: January 1997 | Figure 6.3-4


Surface Trace
of Bedrock Outcrop
San Francisco Bay
Building 900s Series
Study Area Boundary
Shoreline
979SB15
(-0.6)
979GW09
(-12.1)
979SB02
(-38.8)
979GW05
(-18.6)
979SB12
(-40.0)
979GW06
(-28.5)
979SB13
(-16.6)
979SB16
(-10.2)
937GW39
(-32.1)
937GW33
(-29.9)
937GW32
(-26.8)
937GW40
(-22.6)
937GW01
(-24.2)
937GW31
(-25.6)
937GW29
(-36.2)
TANK
LONG
AVE.
ANDREWS
ROAD
LINCOLN BLVD
989
987
990
985
986
988
983
(-40)
(-30)
(-20)
(-10)
0
979
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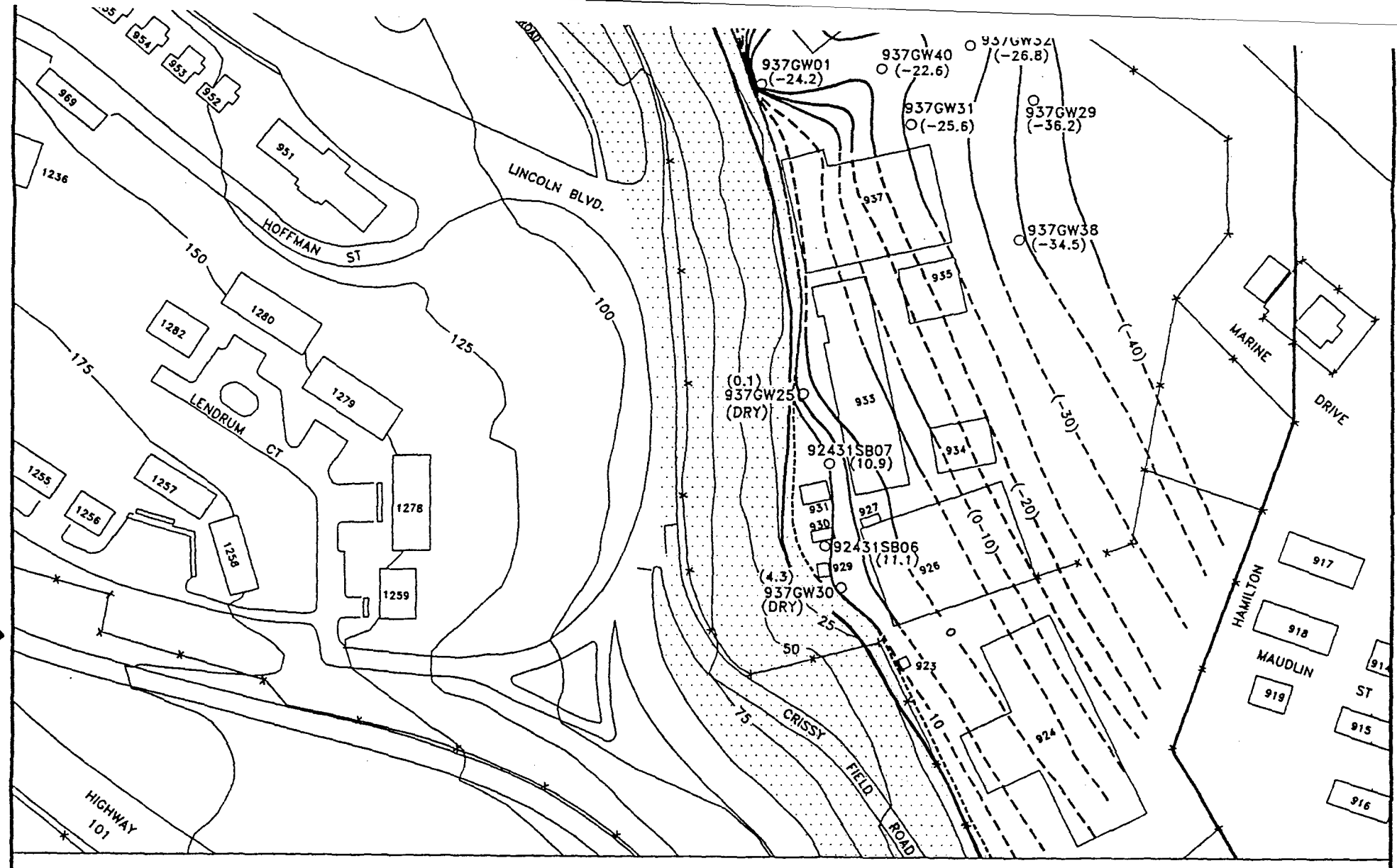
973
949
950
957
956
955
954
953
952
969
951
1236
937



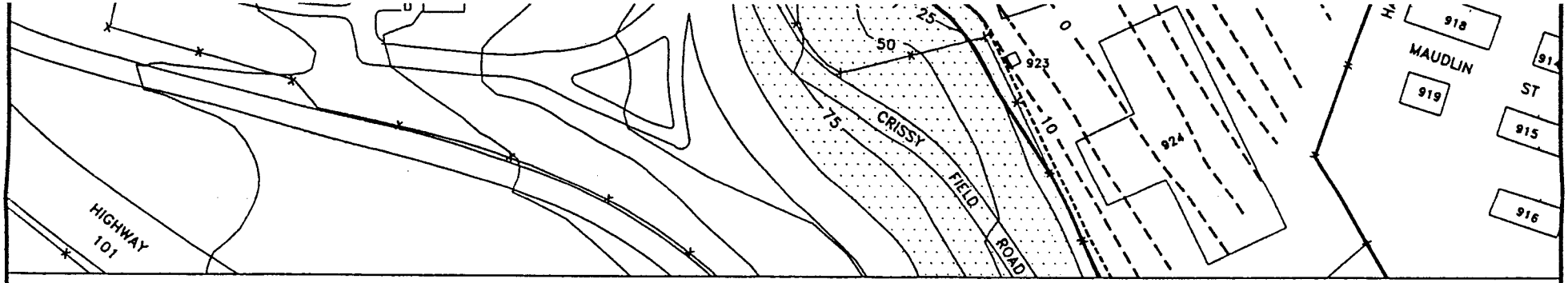
EXPLANATION

- ○ CONTROL POINT
- (-29.9) BEDROCK ELEVATION (FT-PLL)
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- 75 TOPOGRAPHIC CONTOUR CONTOUR INTERVAL 25 FEET
- ELEVATIONS IN FEET-PRESIDIO LOWER LOW WATER

-N-

DAMES & MOORE

BUILDING 900s SERIES STUDY AREA



EXPLANATION

- ○ CONTROL POINT
- (-29.9) BEDROCK ELEVATION (FT-PLL)
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- — — -30 — TOP OF BEDROCK STRUCTURE CONTOUR DASHED WHERE INFERRED CONTOUR INTERVAL 5 FEET
- 75 TOPOGRAPHIC CONTOUR CONTOUR INTERVAL 25 FEET
- ELEVATIONS IN FEET-PRESIDIO LOWER LOW WATER

N

0 75 150

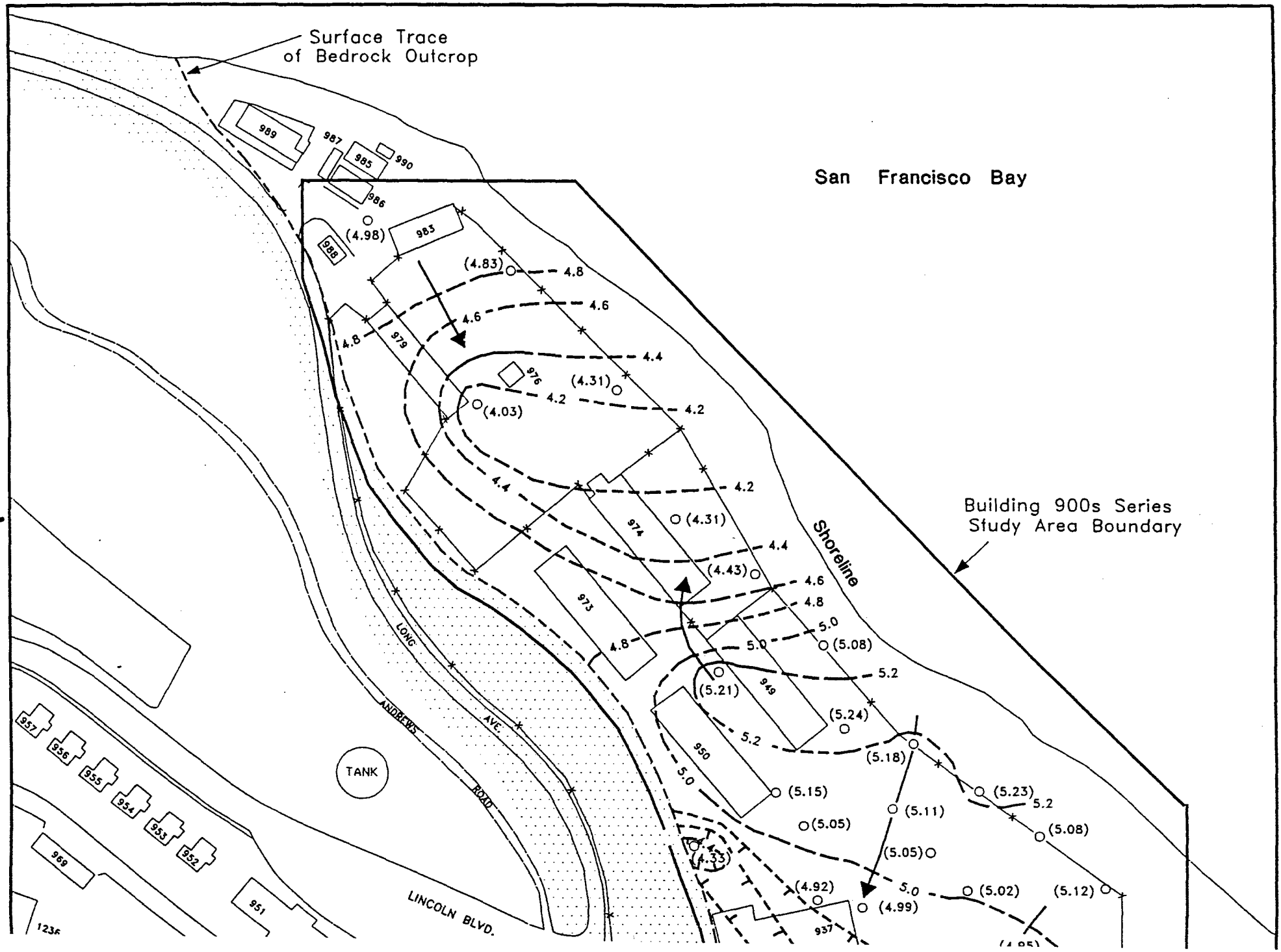
FEET

DAMES & MOORE

BUILDING 900s SERIES STUDY AREA BEDROCK STRUCTURE CONTOUR MAP

PSF25062/DV1

Date: January 1997 | Figure 6.3-5


Surface Trace
of Bedrock Outcrop
San Francisco Bay
Building 900s Series
Study Area Boundary
Shoreline
LONG AVE.
ANDREWS ROAD
LINCOLN BLVD.
TANK
989
987
985
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974
973
950
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937
969
957
956
955
954
953
952
951
(4.98)
(4.83)
(4.31)
(4.03)
(4.31)
(4.43)
(5.08)
(5.21)
(5.24)
(5.18)
(5.15)
(5.23)
(5.11)
(5.05)
(5.05)
(4.33)
(4.92)
(4.99)
(5.02)
(5.12)
4.8
4.6
4.6
4.8
4.4
4.2
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4.4
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4.8
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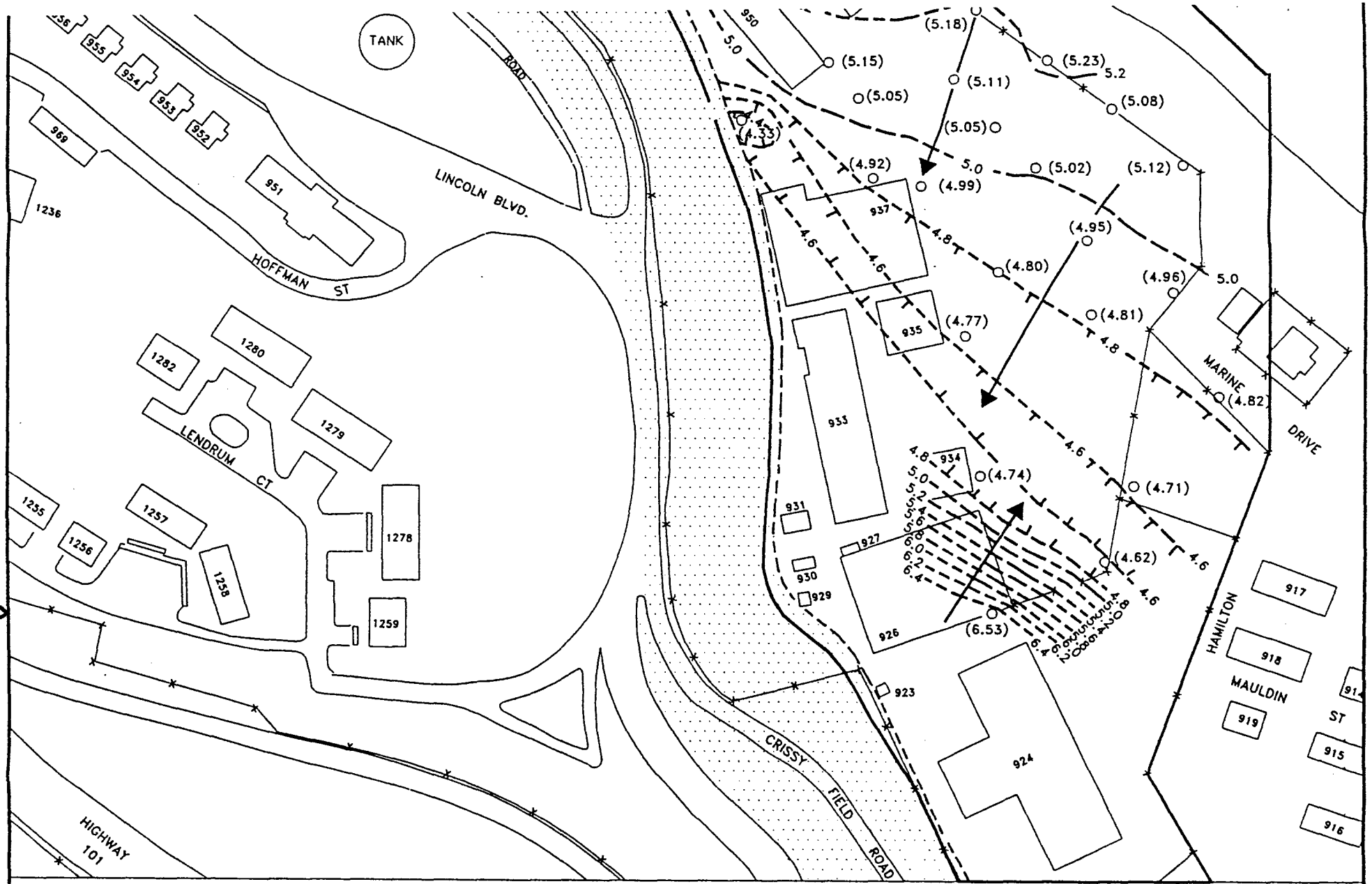
5.0
5.2
5.2
5.0
5.2
5.0



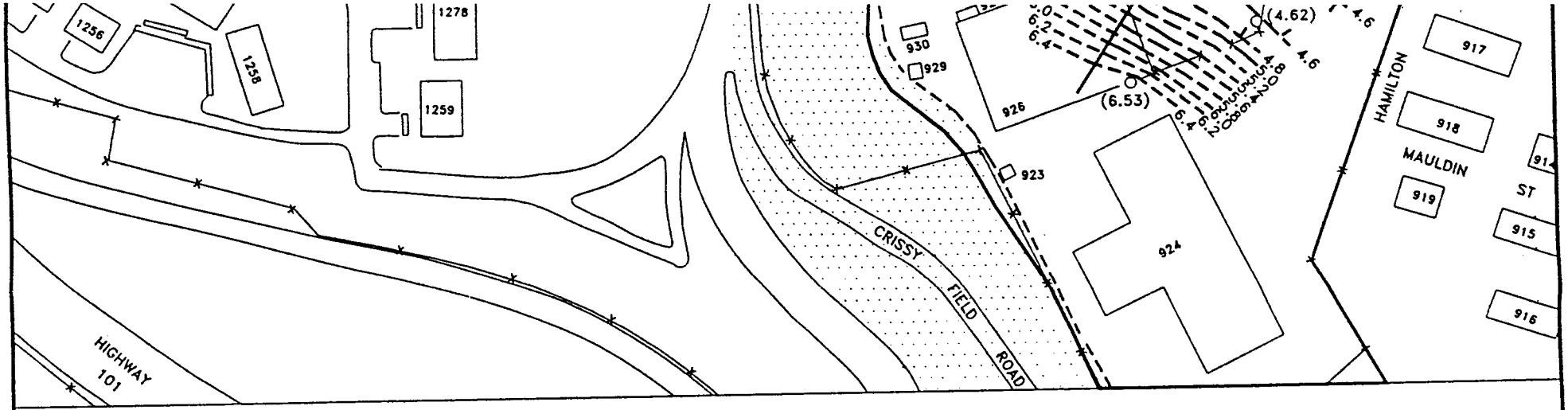
EXPLANATION

○ MONITORING WELL

(6.53) POTENTIOMETRIC SURFACE ELEVATION (11/9/92)

APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP

DAMES & MOORE



EXPLANATION

O (6.53) MONITORING WELL POTENTIOMETRIC SURFACE ELEVATION (11/9/92)

— 5.0 — EQUIPOTENTIAL CONTOUR, (DASHED WHERE INFERRED)

CONTOUR INTERVAL 0.2 FEET

GROUNDWATER FLOW DIRECTION

APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP

ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

NOTE: WATER-LEVEL MEASUREMENTS TAKEN NOVEMBER 9, 1992, 0933–1008 PST, HIGHER-HIGH TIDE: 1001 PST, 6.1 FT-PLL

N

0 75 150

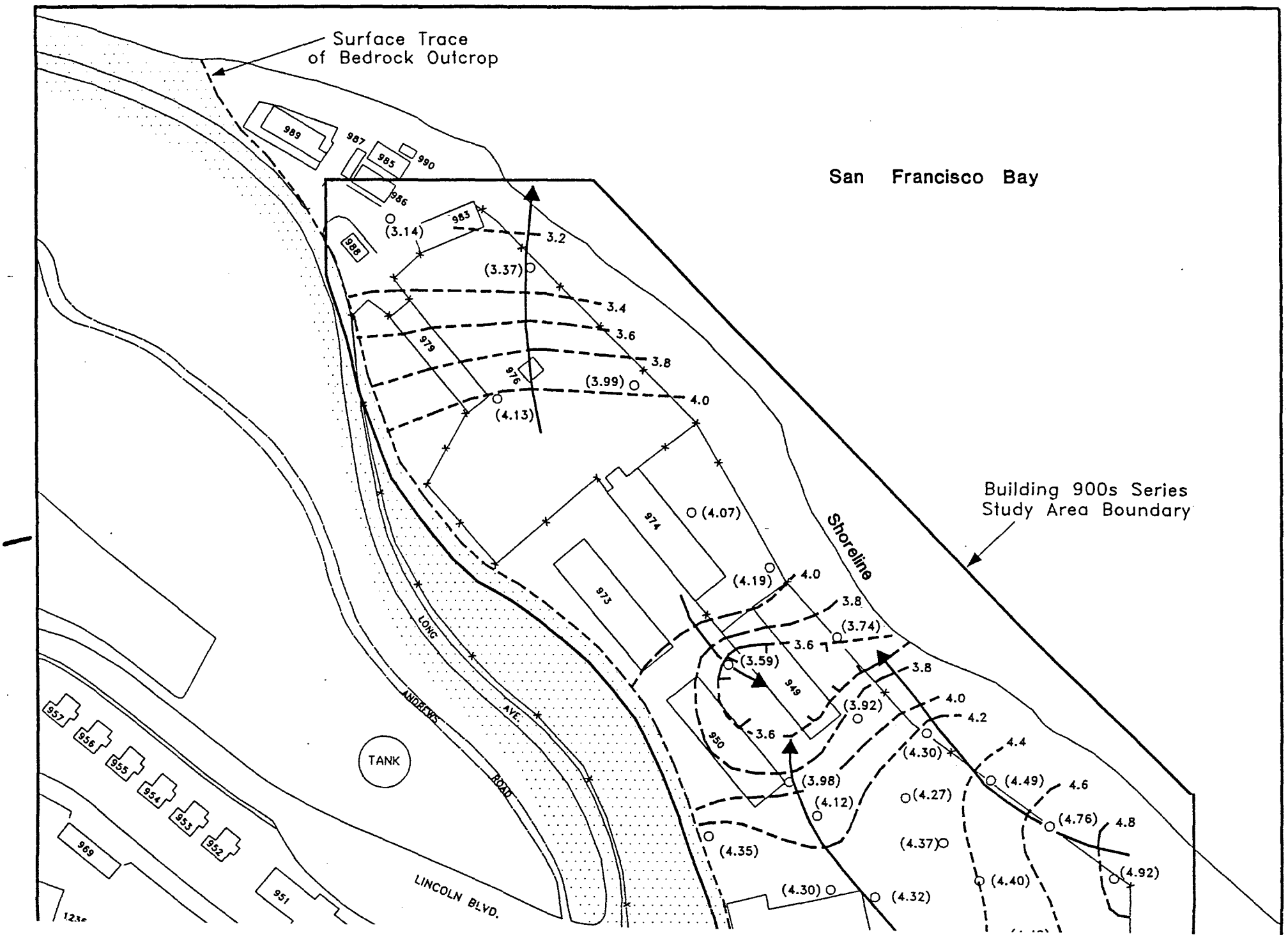
FEET

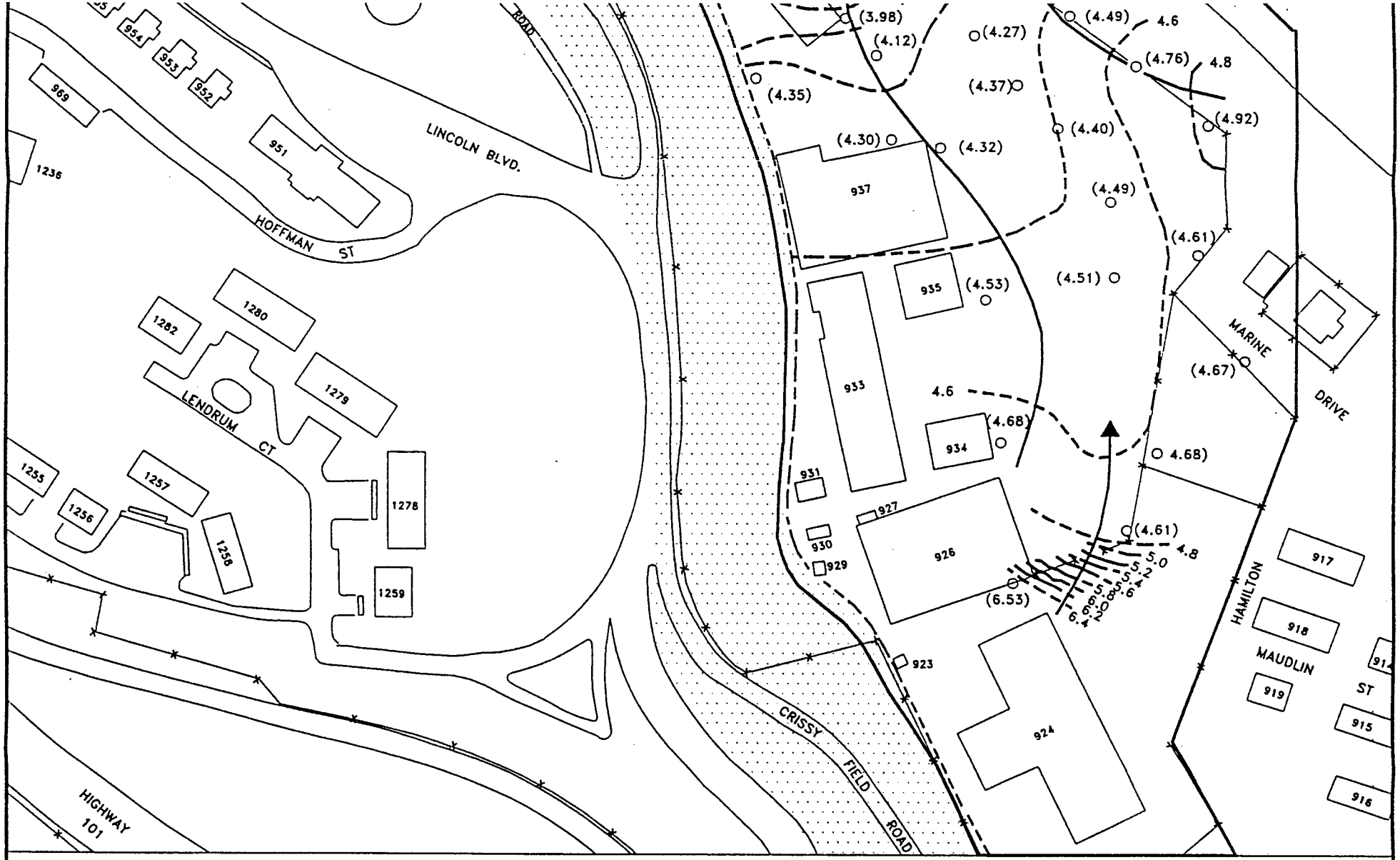
DAMES & MOORE

BUILDING 900S SERIES STUDY AREA
POTENTIOMETRIC SURFACE MAP,
SHALLOW MONITORING WELLS
HIGHER-HIGH TIDE 1992

PSF25123/DV1

Date: January 1997 | Figure 6.3-6


Surface Trace
of Bedrock Outcrop
San Francisco Bay
Building 900s Series
Study Area Boundary
Shoreline
989
987
985
990
986
983
988
979
976
974
973
949
950
957
956
955
954
953
952
969
951
TANK
LONG
AVE.
ANDREWS
ROAD
LINCOLN BLVD.
(3.14)
(3.37)
(3.99)
(4.13)
(4.07)
(4.19)
(3.74)
(3.59)
(3.92)
(3.98)
(4.12)
(4.27)
(4.35)
(4.37)
(4.30)
(4.32)
(4.30)
(4.49)
(4.76)
(4.40)
(4.92)
3.2
3.4
3.6
3.8
4.0
4.2
4.4
4.6
4.8



EXPLANATION

(6.53) MONITORING WELL POTENTIOMETRIC SURFACE ELEVATION (11/9/92)

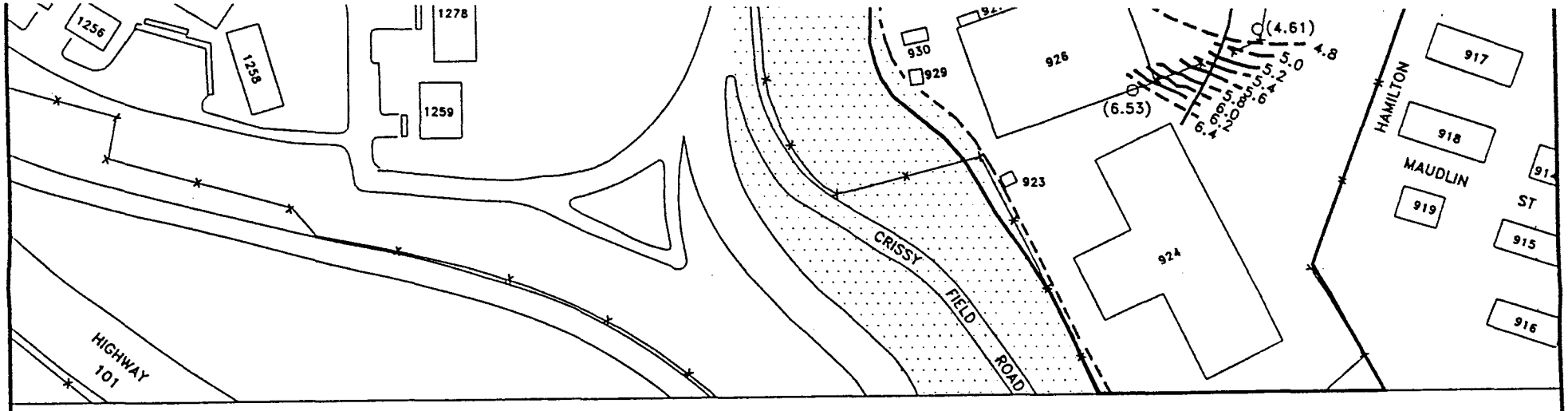
— 5.0 — EQUIPOTENTIAL CONTOUR, CONTOUR INTERVAL 0.2 FEET

APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP

N

DAMES & MOORE

BUILDING 900S SERIES STUDY AREA



EXPLANATION

O (6.53) MONITORING WELL POTENTIOMETRIC SURFACE ELEVATION (11/9/92)

— 5.0 — EQUIPOTENTIAL CONTOUR, (DASHED WHERE INFERRED)

GROUNDWATER FLOW DIRECTION

APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP

CONTOUR INTERVAL 0.2 FEET

ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

NOTE: WATER LEVEL MEASUREMENTS TAKEN NOVEMBER 9, 1992, 1600–1635 PST, LOWER-LOW TIDE: 1638 PST,–0.4 FT–PLL

-N-

0 75 150

FEET

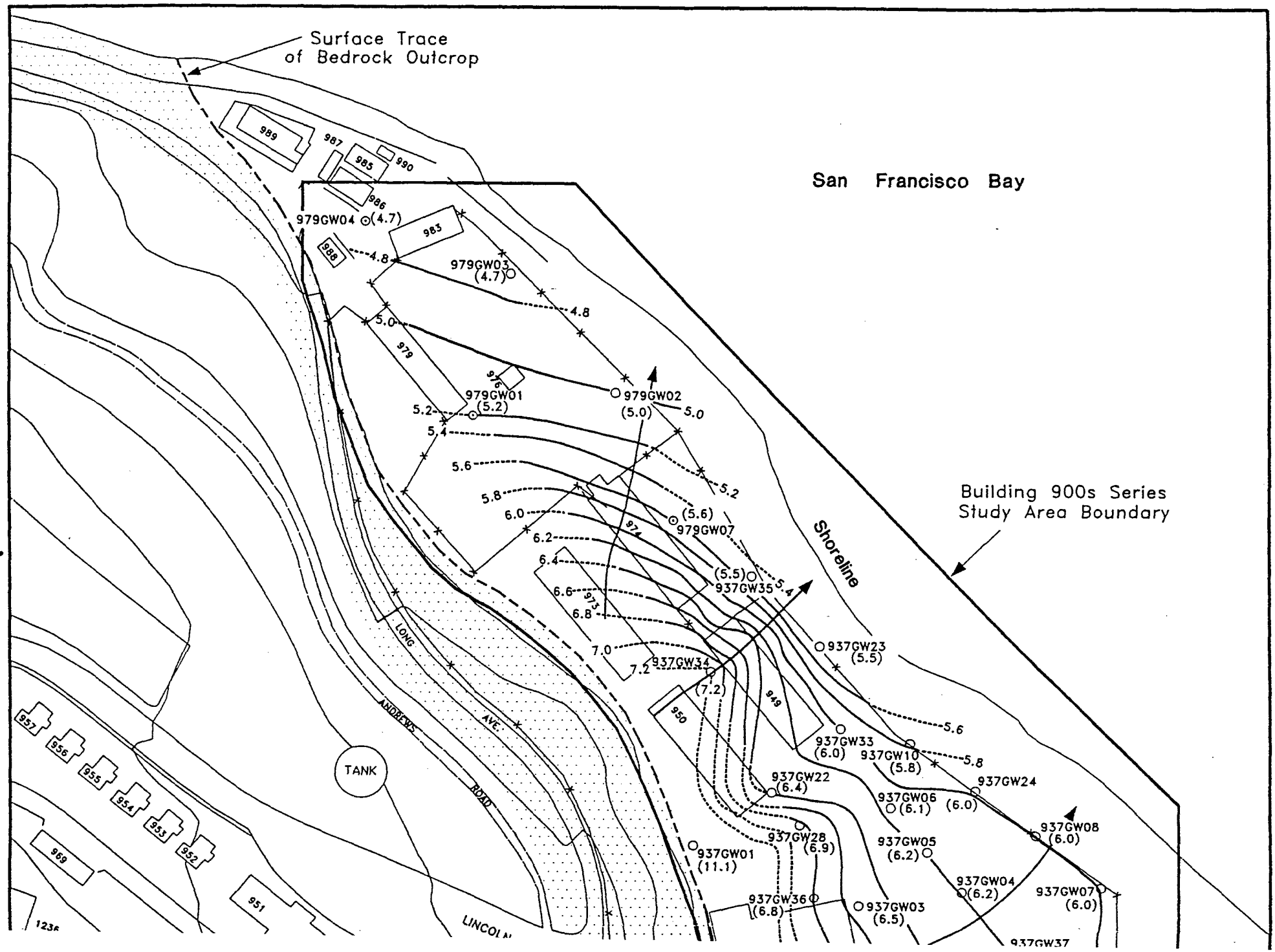
DAMES & MOORE

BUILDING 900S SERIES STUDY AREA POTENTIOMETRIC SURFACE MAP, SHALLOW MONITORING WELLS LOWER-LOW TIDE 1992

PSF25124/DV1

Date: January 1997

Figure 6.3-7


Surface Trace
of Bedrock Outcrop
San Francisco Bay
Building 900s Series
Study Area Boundary
Shoreline
989
987
985
990
986
983
988
979GW04 (4.7)
979GW03 (4.7)
979GW01 (5.2)
979GW02 (5.0)
979GW07 (5.6)
937GW35 (5.5)
937GW34 (7.2)
937GW23 (5.5)
937GW33 (6.0)
937GW10 (5.8)
937GW24 (6.0)
937GW22 (6.4)
937GW06 (6.1)
937GW28 (6.9)
937GW08 (6.0)
937GW05 (6.2)
937GW01 (11.1)
937GW04 (6.2)
937GW07 (6.0)
937GW36 (6.8)
937GW03 (6.5)
937GW37
4.8
5.0
5.2
5.4
5.6
5.8
6.0
6.2
6.4
6.6
6.8
7.0
7.2
979
976
974
975
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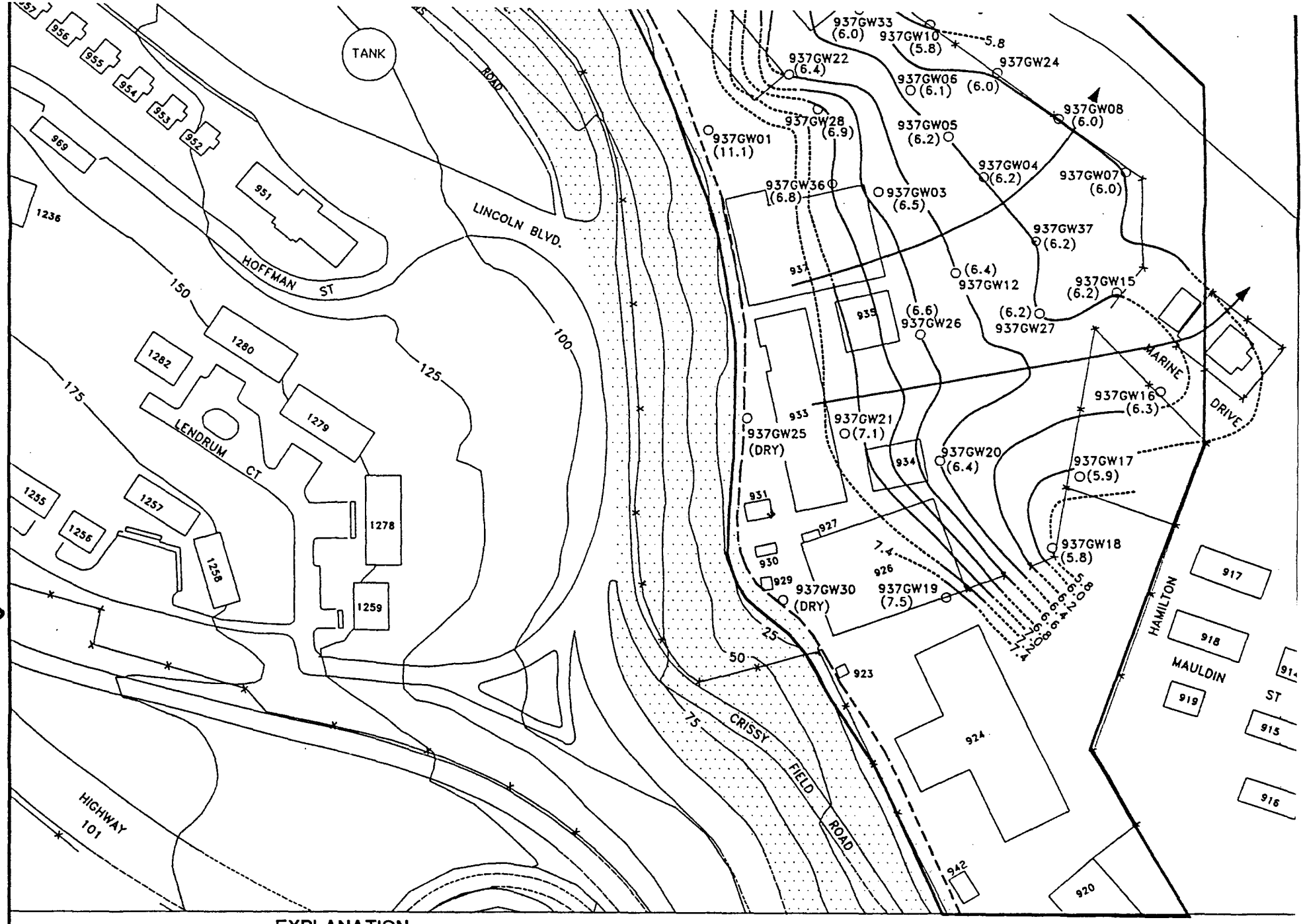
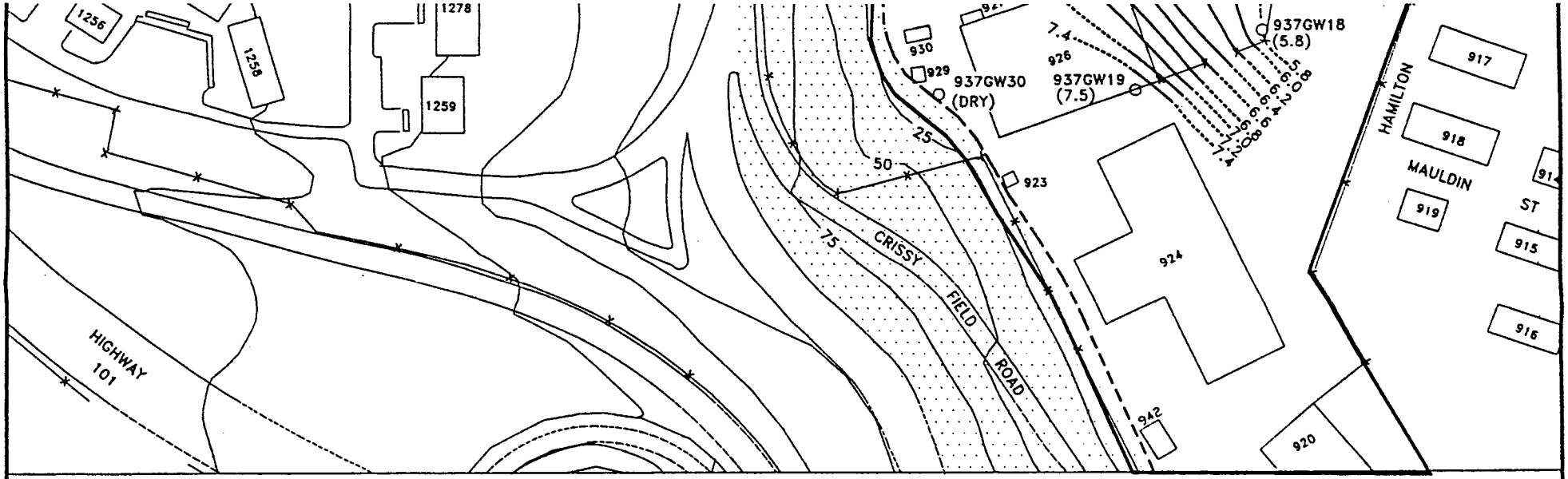
LONG
ANDREWS
AVE.
ROAD
TANK
957
956
955
954
953
952
969
951
LINCOLN



EXPLANATION

- ○ SHALLOW MONITORING WELL
- ⊙ SHALLOW MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- —175— TOPOGRAPHIC CONTOUR

DAMES & MOORE



EXPLANATION

- ○ SHALLOW MONITORING WELL
- ⊙ SHALLOW MONITORING WELL WITH SOIL SAMPLES
- (4.8) POTENTIOMETRIC SURFACE ELEVATION (03/16/95)
- 4.0 EQUIPOTENTIAL CONTOUR DASHED WHERE INFERRED CONTOUR INTERVAL 0.2 FEET
- GROUNDWATER FLOW DIRECTION
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- 175 TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET
- ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

NOTE: SHALLOW MONITORING WELLS ARE SCREENED ACROSS THE WATER TABLE. WATER LEVEL MEASUREMENTS TAKEN MARCH 16, 1995 0957–1035PST, HIGHER–HIGH TIDE: 1050 PST, 5.4 ft–PLL

N

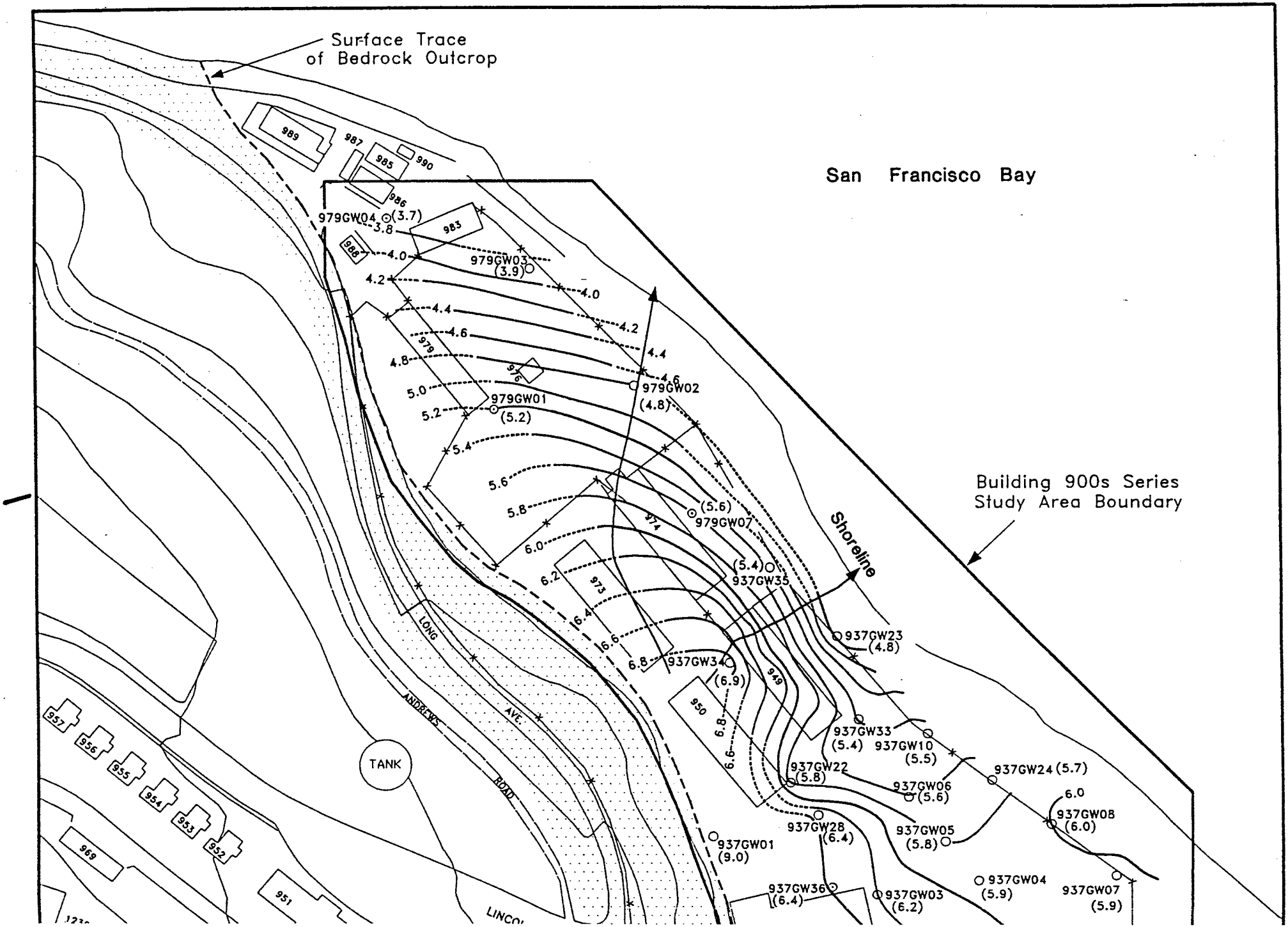
0 75 150
FEET

DAMES & MOORE

BUILDING 900s SERIES STUDY AREA, POTENTIOMETRIC SURFACE MAP SHALLOW MONITORING WELLS HIGHER-HIGH TIDE 1995

PSF25104/DV1

Date: January 1997 | Figure 6.3-8


Surface Trace
of Bedrock Outcrop
San Francisco Bay
Building 900s Series
Study Area Boundary
Shoreline
979GW04 (3.7)
979GW03 (3.9)
979GW02 (4.8)
979GW01 (5.2)
979GW07 (5.6)
937GW35 (5.4)
937GW23 (4.8)
937GW34 (6.9)
937GW33 (5.4)
937GW10 (5.5)
937GW22 (5.8)
937GW24 (5.7)
937GW06 (5.6)
937GW08 (6.0)
937GW28 (6.4)
937GW05 (5.8)
937GW01 (9.0)
937GW36 (6.4)
937GW03 (6.2)
937GW04 (5.9)
937GW07 (5.9)
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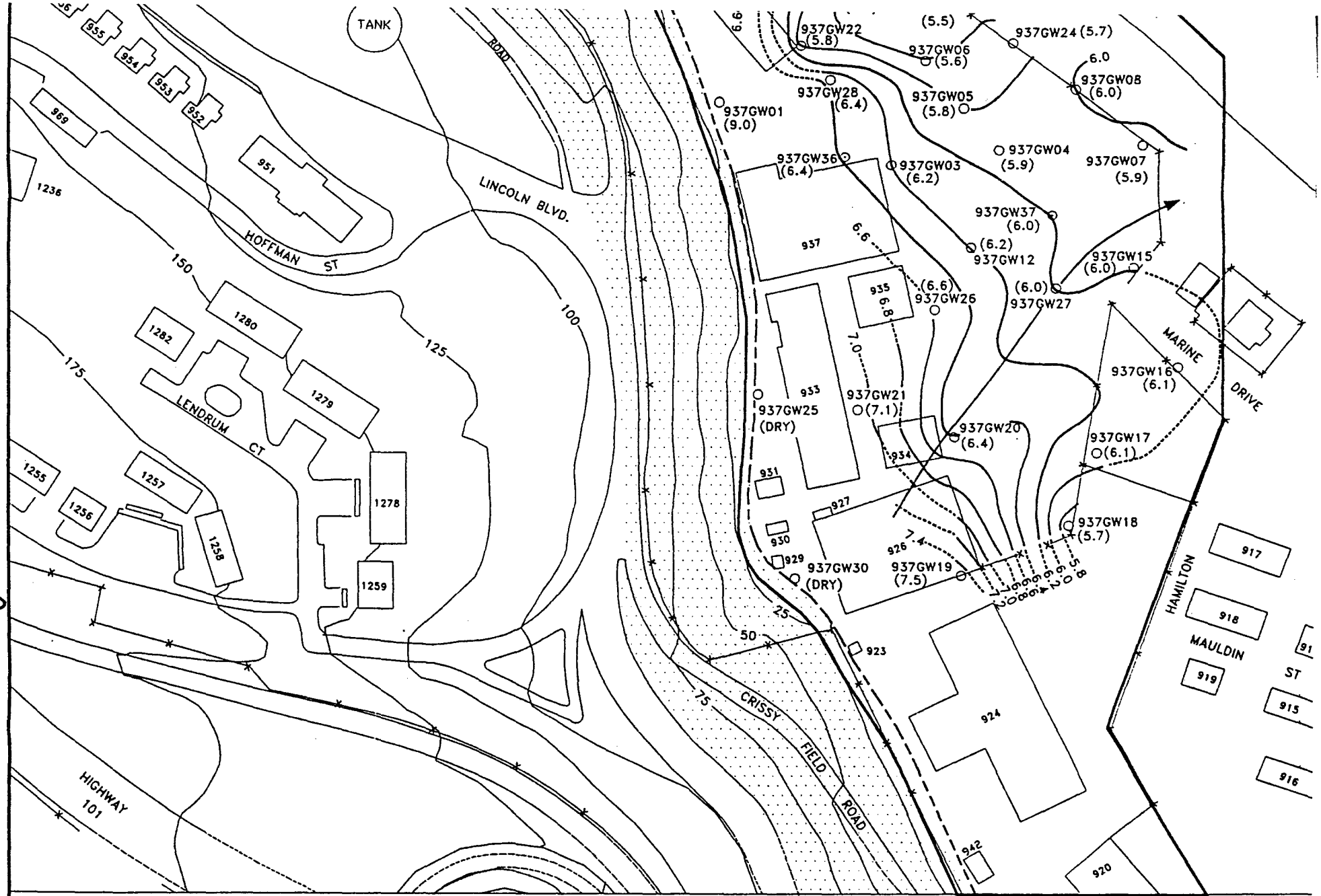
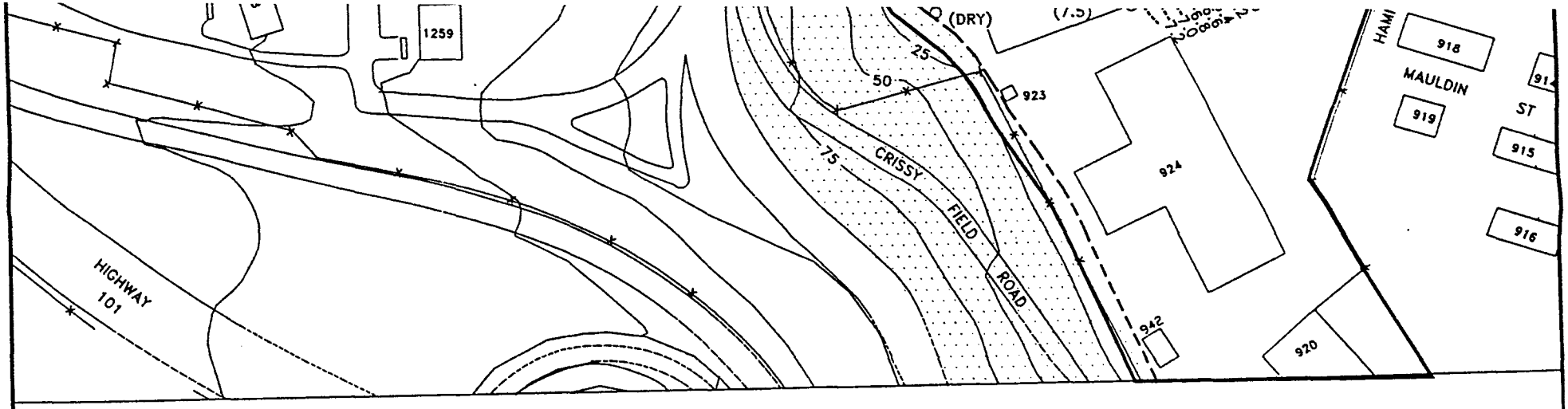


EXPLANATION

- ○ SHALLOW MONITORING WELL
- ⊙ SHALLOW MONITORING WELL WITH SOIL SAMPLES
- (4.8) POTENTIOMETRIC SURFACE ELEVATION (03/16/95)
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- —175— TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET

—N—

DAMES & MOORE



EXPLANATION

- SHALLOW MONITORING WELL
- SHALLOW MONITORING WELL WITH SOIL SAMPLES
- (4.8) POTENTIOMETRIC SURFACE ELEVATION (03/16/95)
- EQUIPOTENTIAL CONTOUR DASHED WHERE INFERRED CONTOUR INTERVAL 0.2 FEET
- GROUNDWATER FLOW DIRECTION
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- —175— TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET
- ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

NOTE: SHALLOW MONITORING WELLS ARE SCREENED ACROSS THE WATER TABLE. WATER LEVEL MEASUREMENTS TAKEN MARCH 16, 1995 1640–1705 PST LOWER–LOW TIDE: 1650 PST, 0.2 FT–PLL

N

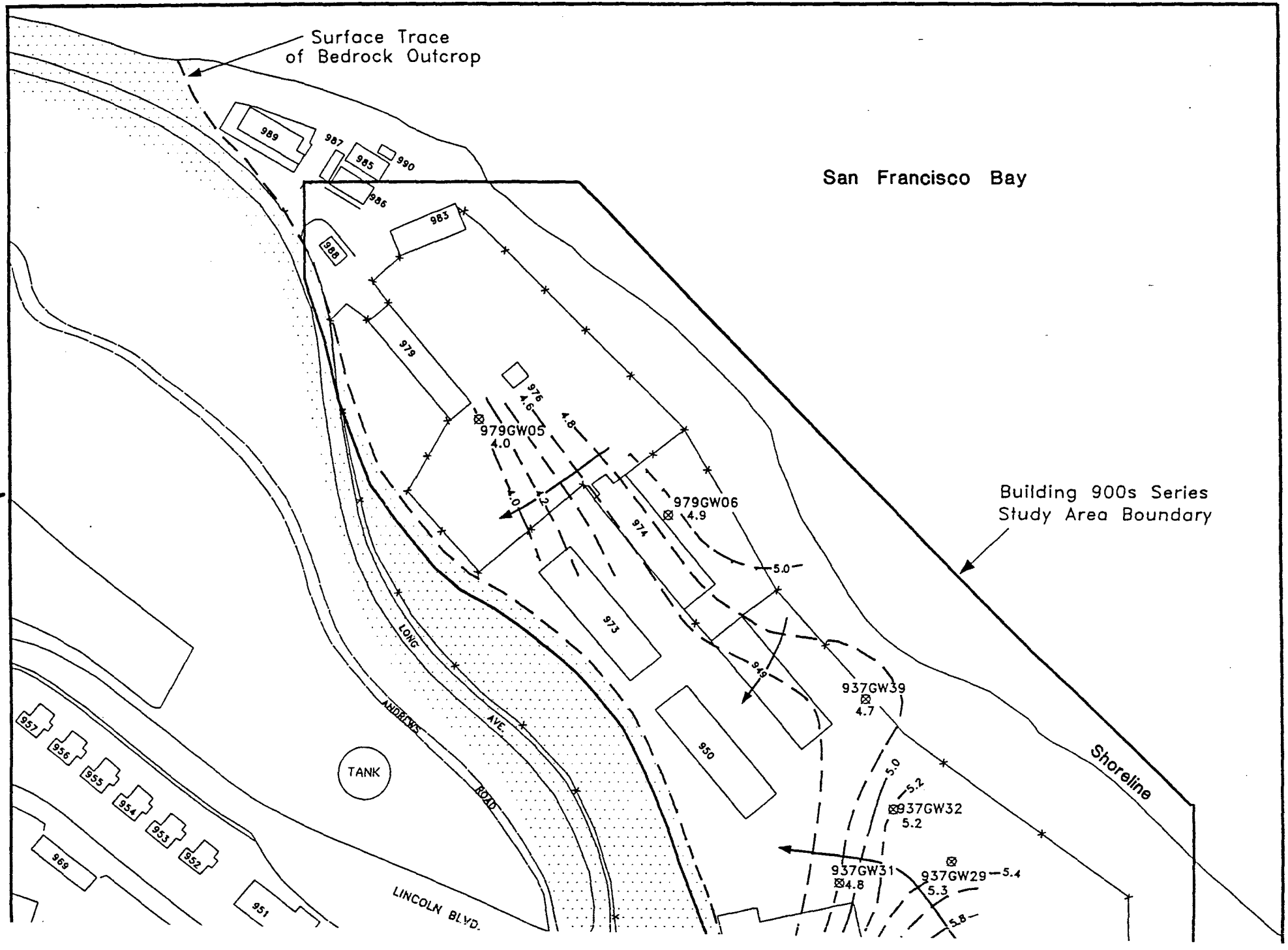
0 75 150
FEET

DAMES & MOORE

BUILDING 900s SERIES STUDY AREA, POTENTIOMETRIC SURFACE MAP SHALLOW MONITORING WELLS LOWER-LOW TIDE 1995

PSF25101/DV2

Date: January 1997 | Figure 6.3-9


Surface Trace
of Bedrock Outcrop
San Francisco Bay
Building 900s Series
Study Area Boundary
Shoreline
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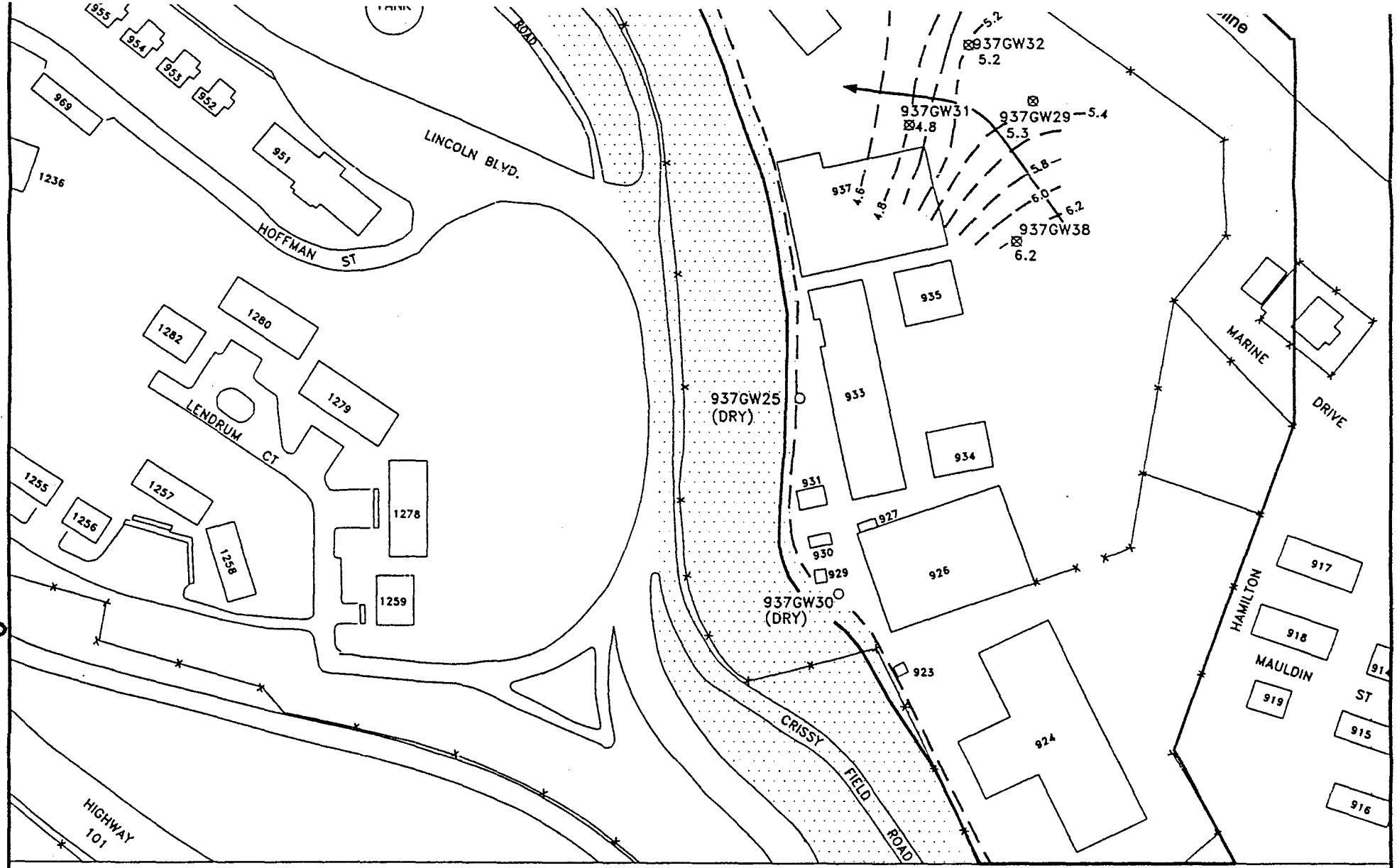
LINCOLN BLVD.



EXPLANATION

⊠ DEEP MONITORING WELL[1]

(6.2) POTENTIOMETRIC SURFACE ELEVATION (11/9/92)

INFERRED EQUIPOTENTIAL CONTOUR

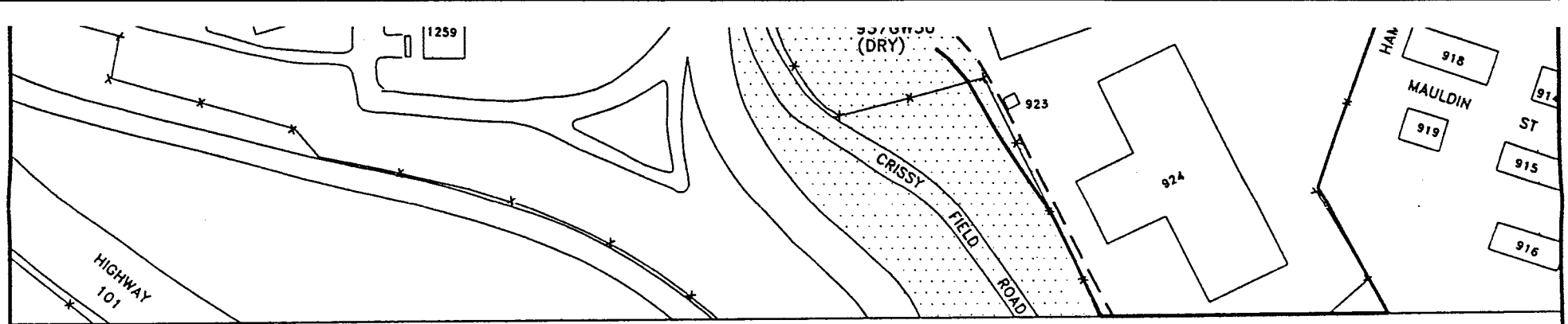
ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

NOTE: 1. DEEP MONITORING WELLS ARE SCREENED AT BOTTOM OF

–N–

DAMES & MOORE

BUILDING 900S SERIES STUDY AREA



EXPLANATION

⊠ (6.2) DEEP MONITORING WELL[1] POTENTIOMETRIC SURFACE ELEVATION (11/9/92)

INFERRED EQUIPOTENTIAL CONTOUR
CONTOUR INTERVAL 0.2 FEET

GROUNDWATER FLOW DIRECTION

APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP

ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

NOTE: 1. DEEP MONITORING WELLS ARE SCREENED AT BOTTOM OF AQUIFER

WATER-LEVEL MEASUREMENTS TAKEN NOVEMBER 9, 1992, 0933–1008 PST, HIGHER-HIGH TIDE: 1001 PST,6.1 FT–PLL

N

0 75 150
FEET

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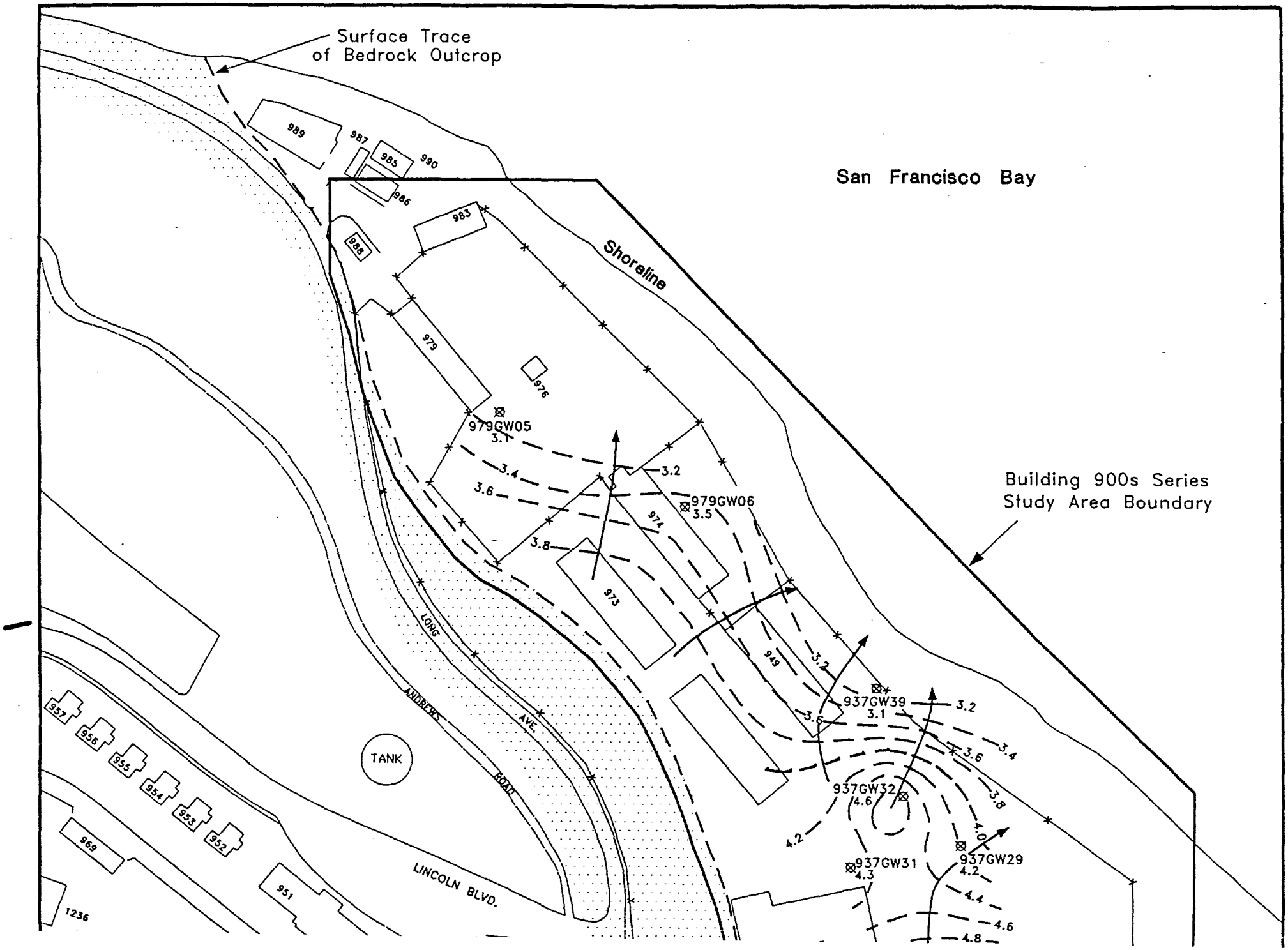
BUILDING 900S SERIES STUDY AREA
POTENTIOMETRIC SURFACE MAP
DEEP MONITORING WELLS
HIGHER-HIGH TIDE 1992

PSF25127/DV1

Date: January 1997 | Figure 6.3–10


Surface Trace
of Bedrock Outcrop
San Francisco Bay
Shoreline
Building 900s Series
Study Area Boundary
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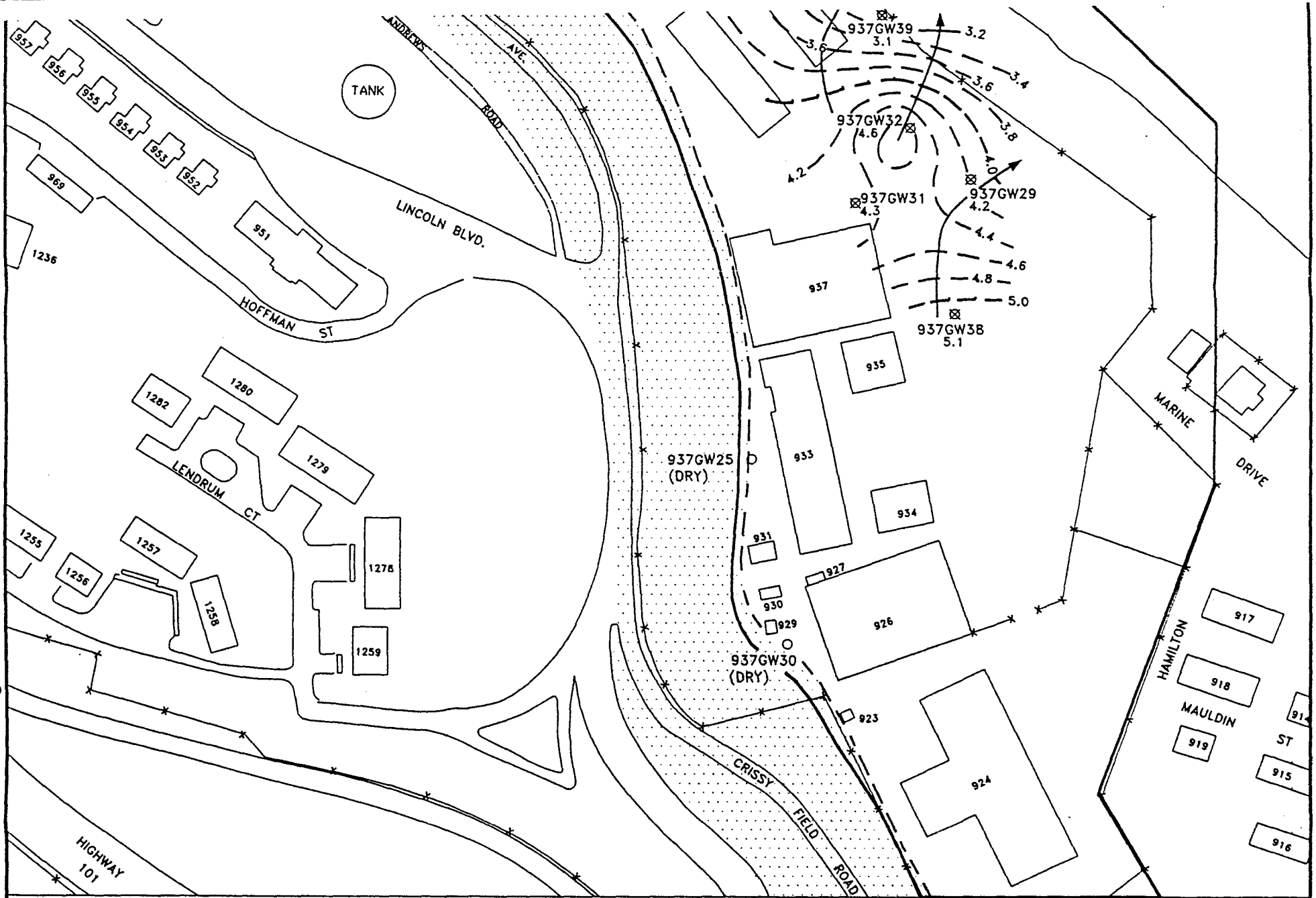
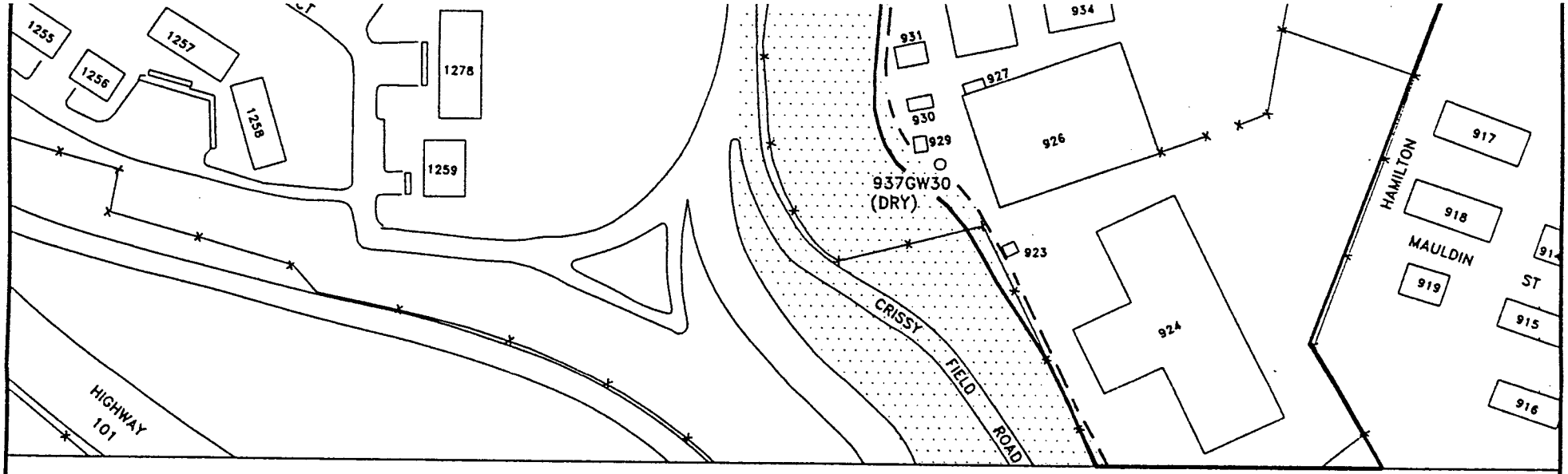


EXPLANATION

⊠ DEEP MONITORING WELL[1]
(5.1) POTENTIOMETRIC SURFACE



EXPLANATION

⊠ (5.1) DEEP MONITORING WELL[1] POTENTIOMETRIC SURFACE ELEVATION (11/9/92)

INFERRED EQUIPOTENTIAL CONTOUR CONTOUR INTERVAL 0.2 FEET

GROUNDWATER FLOW DIRECTION

APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP

ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

NOTE: 1. DEEP MONITORING WELLS ARE SCREENED AT BOTTOM OF AQUIFER

WATER–LEVEL MEASUREMENTS TAKEN NOVEMBER 9,1992, 1600–1635 PST, LOWER–LOW TIDE: 1638 PST, –0.4 FT–PLL

–N–

0 75 150

FEET

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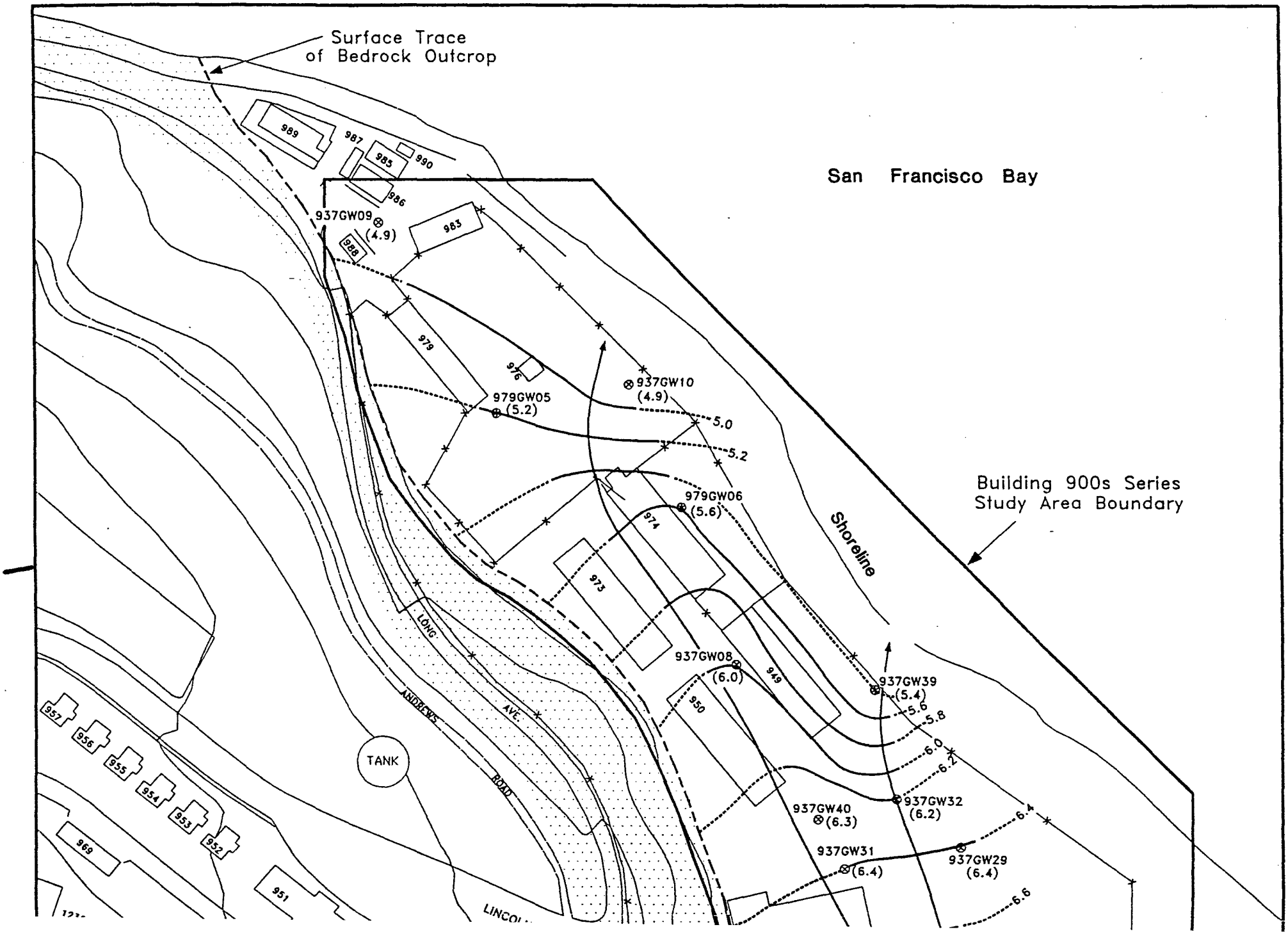
BUILDING 900S SERIES STUDY AREA
POTENTIOMETRIC SURFACE MAP
DEEP MONITORING WELLS
LOWER-LOW TIDE 1992

PSF25121/DV1

Date: January 1997 | Figure 6.3–11

3


Surface Trace
of Bedrock Outcrop
San Francisco Bay
Building 900s Series
Study Area Boundary
Shoreline
937GW09 (4.9)
937GW10 (4.9)
979GW05 (5.2)
979GW06 (5.6)
937GW08 (6.0)
937GW39 (5.4)
937GW40 (6.3)
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937GW31 (6.4)
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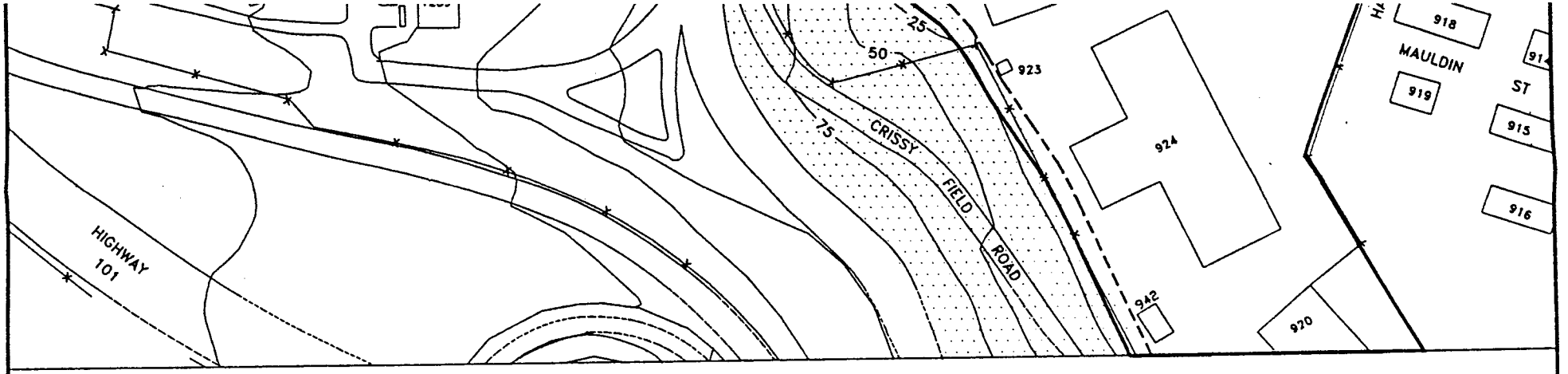
ROAD

EXPLANATION

- ⊗ DEEP MONITORING WELL
- ⊛ DEEP MONITORING WELL WITH SOIL SAMPLES
- (4.9) POTENTIOMETRIC SURFACE ELEVATION (03/16/95)
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- —175— TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET

—N—

DAMES & MOORE



EXPLANATION

- ⊗ DEEP MONITORING WELL
- ⊛ DEEP MONITORING WELL WITH SOIL SAMPLES
- (4.9) POTENTIOMETRIC SURFACE ELEVATION (03/16/95)
- 5.0 EQUIPOTENTIAL CONTOUR DASHED WHERE INFERRED CONTOUR INTERVAL 0.2 FEET
- GROUNDWATER FLOW DIRECTION
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- 175 TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET
- ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

NOTE: DEEP MONITORING WELLS ARE SCREENED AT BOTTOM OF AQUIFER.

WATER LEVEL MEASUREMENTS TAKEN MARCH 16, 1995 0957–1035 PST
HIGHER–HIGH TIDE: 1050, 5.4 FT–PLL

N

0 75 150
FEET

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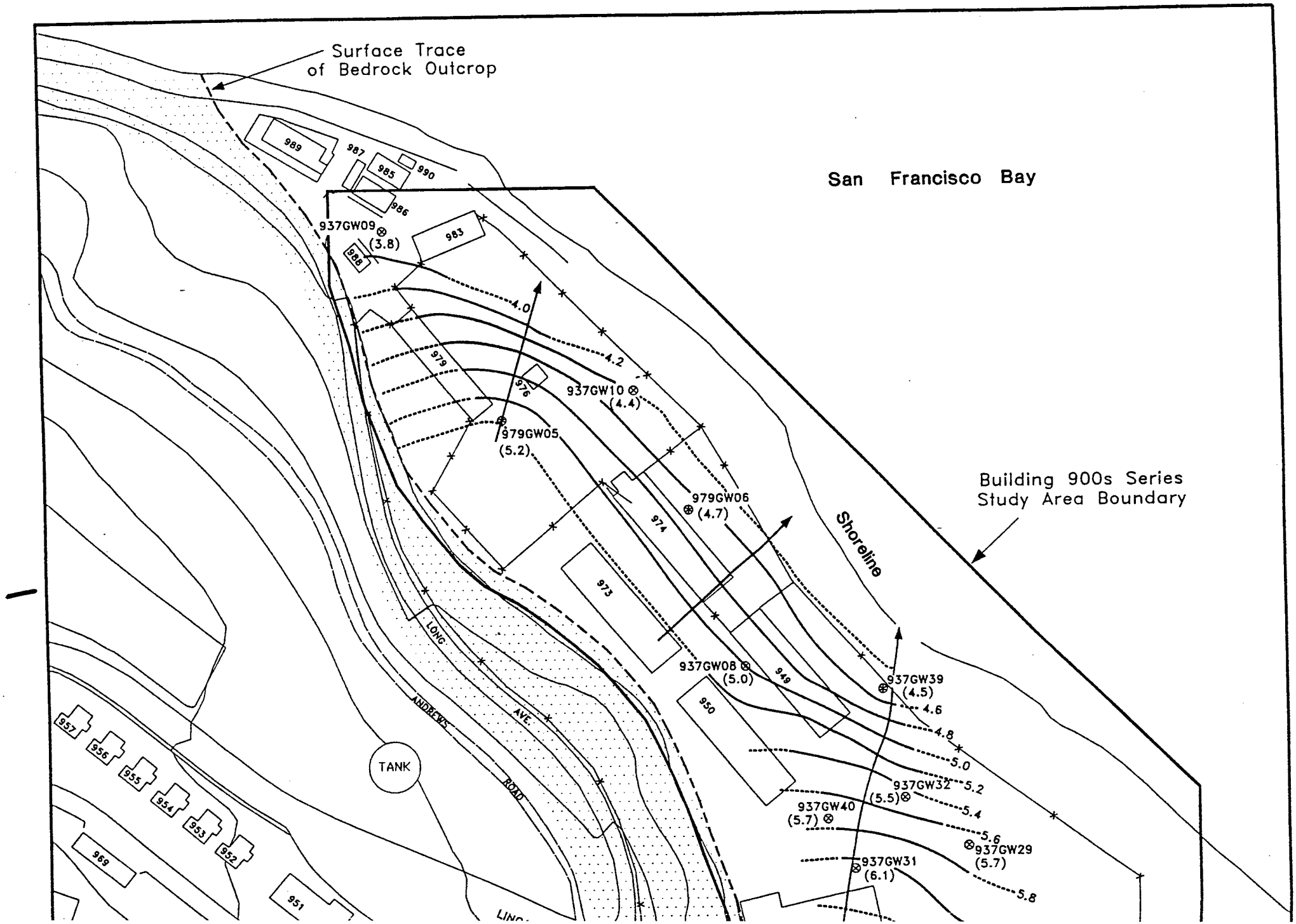
BUILDING 900s SERIES STUDY AREA, POTENTIOMETRIC SURFACE MAP DEEP MONITORING WELLS HIGHER-HIGH TIDE 1995

PSF25103/DV1

Date: January 1997 | Figure 6.3–12

3


Surface Trace
of Bedrock Outcrop
San Francisco Bay
Building 900s Series
Study Area Boundary
Shoreline
937GW09 (3.8)
937GW10 (4.4)
979GW05 (5.2)
979GW06 (4.7)
937GW08 (5.0)
937GW39 (4.5)
937GW32 (5.5)
937GW40 (5.7)
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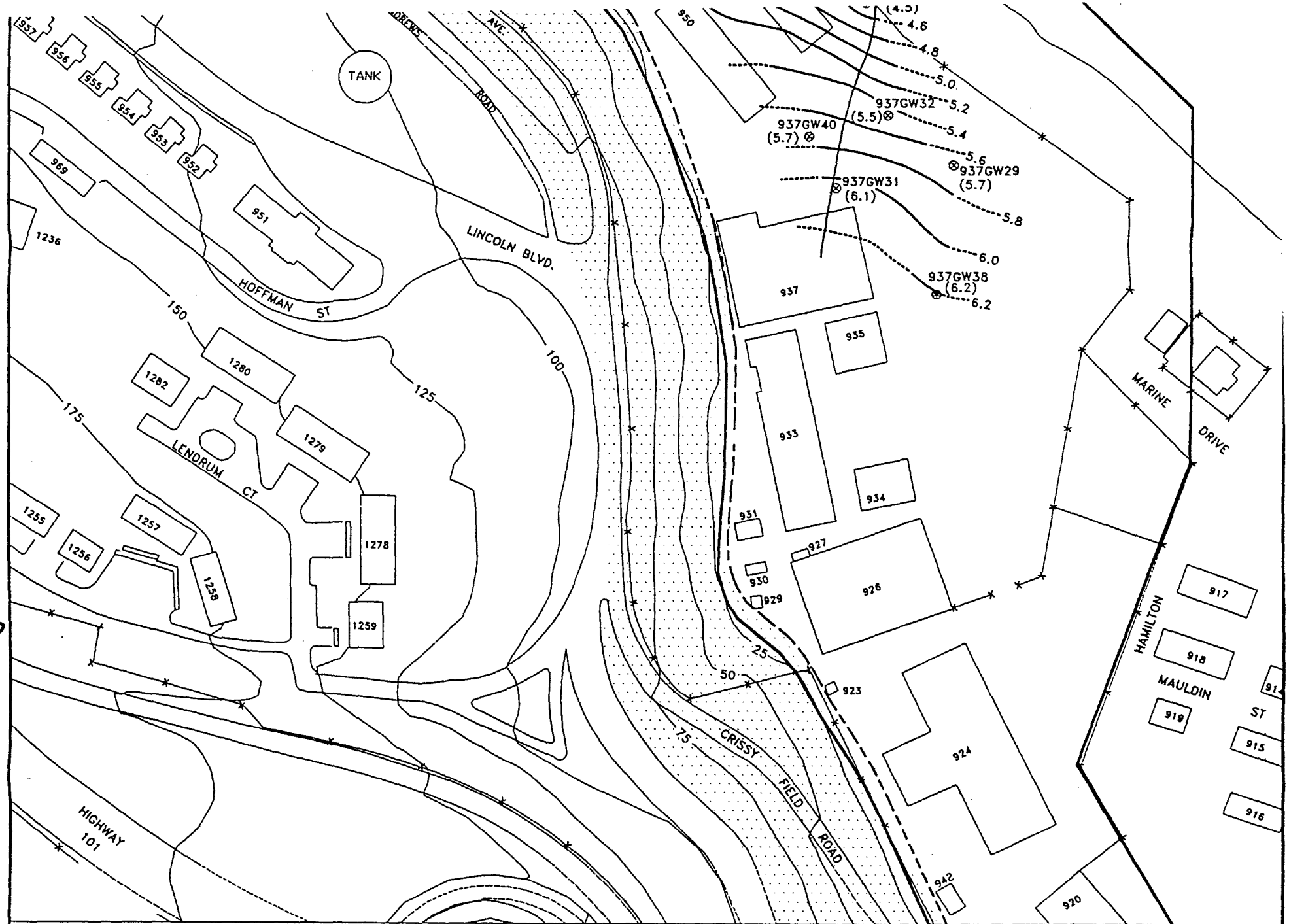
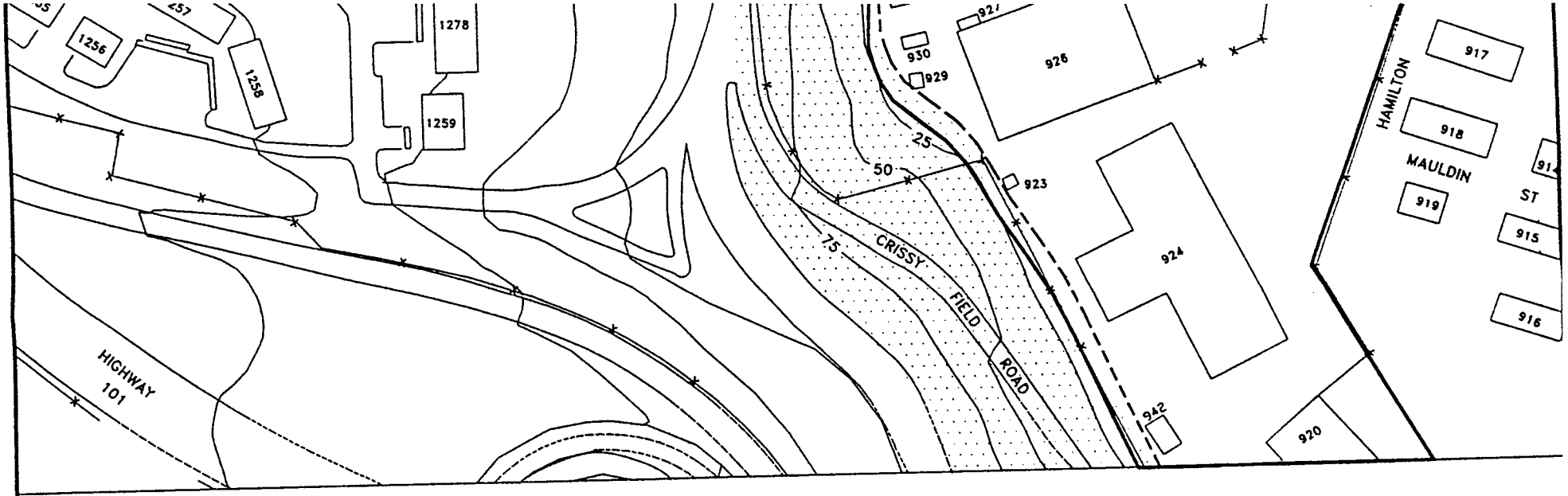


EXPLANATION

⊗ DEEP MONITORING WELL

⊛ DEEP MONITORING WELL WITH SOIL SAMPLES

APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP



EXPLANATION

- ⊗ DEEP MONITORING WELL
- ⊛ DEEP MONITORING WELL WITH SOIL SAMPLES
- (3.8) POTENTIOMETRIC SURFACE ELEVATION (03/16/95)
- 4.0 EQUIPOTENTIAL CONTOUR DASHED WHERE INFERRED CONTOUR INTERVAL 0.2 FEET
- GROUNDWATER FLOW DIRECTION
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- 175 TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET
- ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

NOTE: DEEP MONITORING WELLS ARE SCREENED AT BOTTOM OF AQUIFER.

WATER LEVEL MEASUREMENTS TAKEN MARCH 16, 1995 1640–1705 PST
LOWER-LOW TIDE: 1650 PST 0.2 FT–PLL

N

0 75 150
FEET

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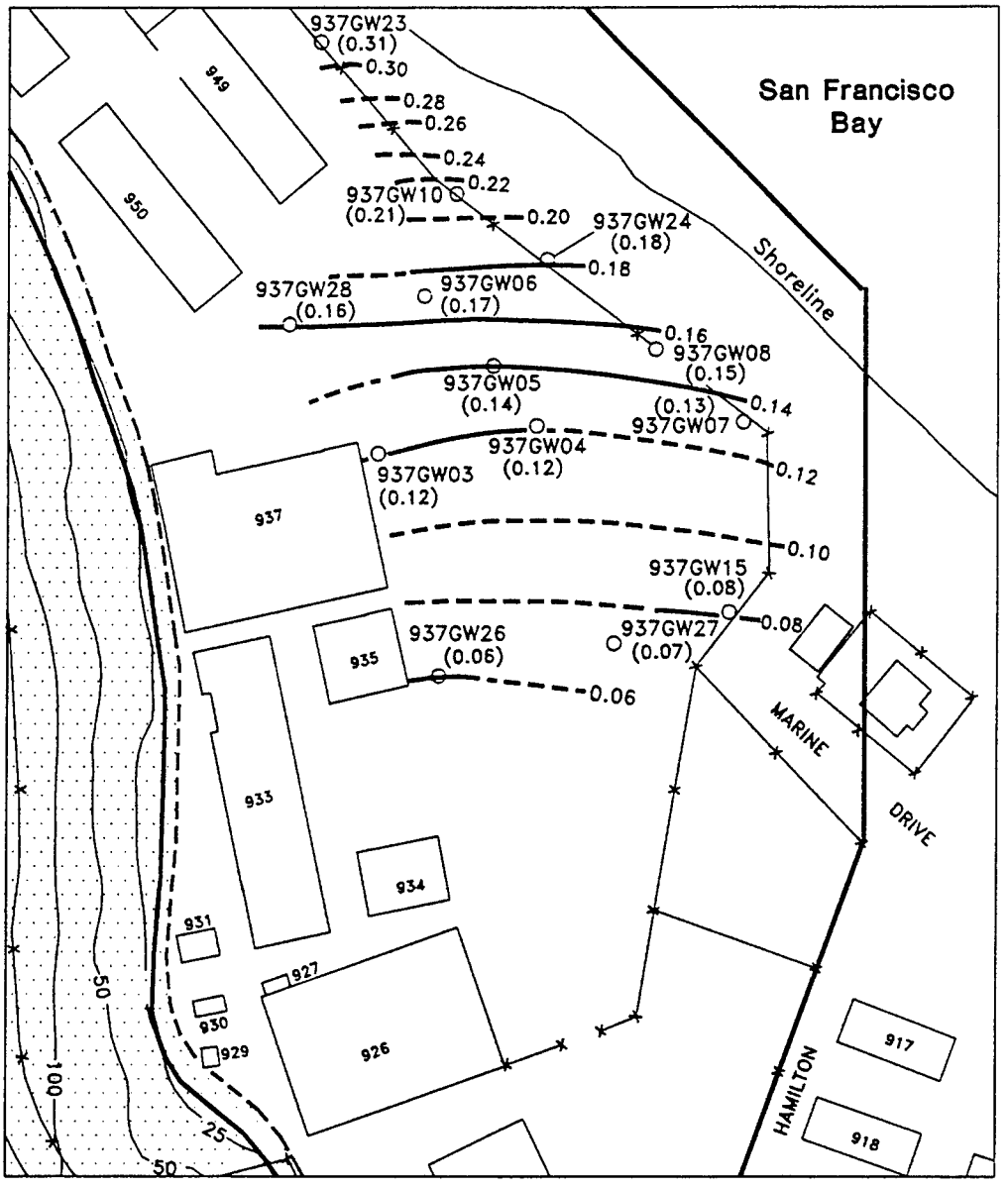
BUILDING 900s SERIES STUDY AREA, POTENTIOMETRIC SURFACE MAP DEEP MONITORING WELLS LOWER-LOW TIDE 1995

PSF25102/DV1

Date: January 1997 | Figure 6.3–13



EXPLANATION

O (0.06)	SHALLOW MONITORING WELL STAGE RATIO
— — —	STAGE RATIO CONTOUR, DASHED WHERE INFERRED
	CONTOUR INTERVAL 0.2 FEET
	APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP

TOPOGRAPHIC ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

-N-

0 75 150

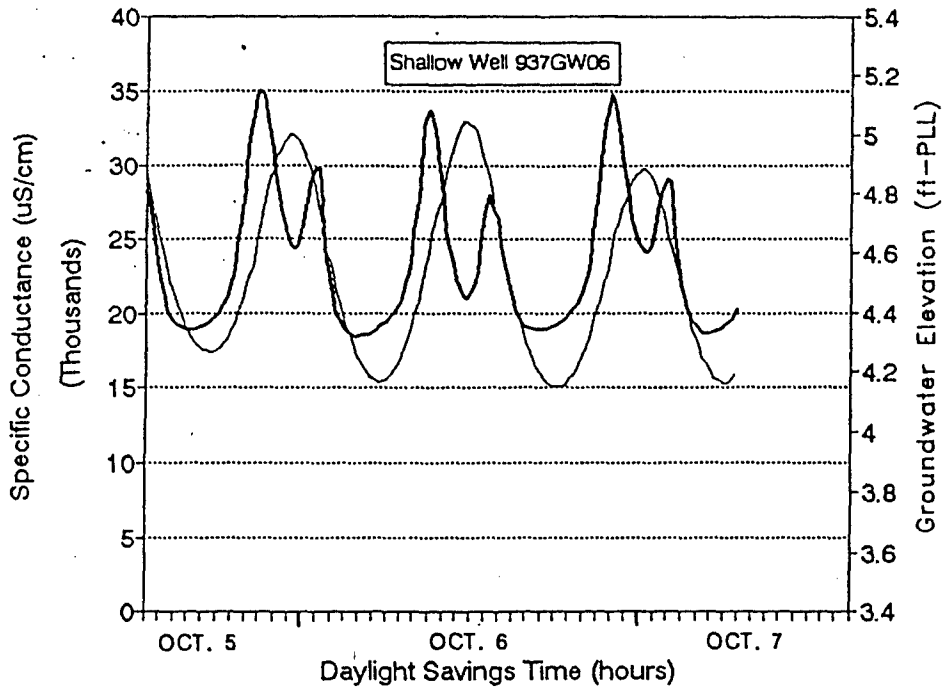
FEET

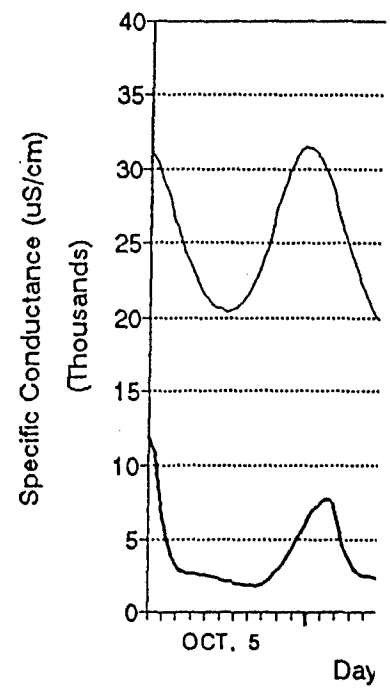
DAMES & MOORE

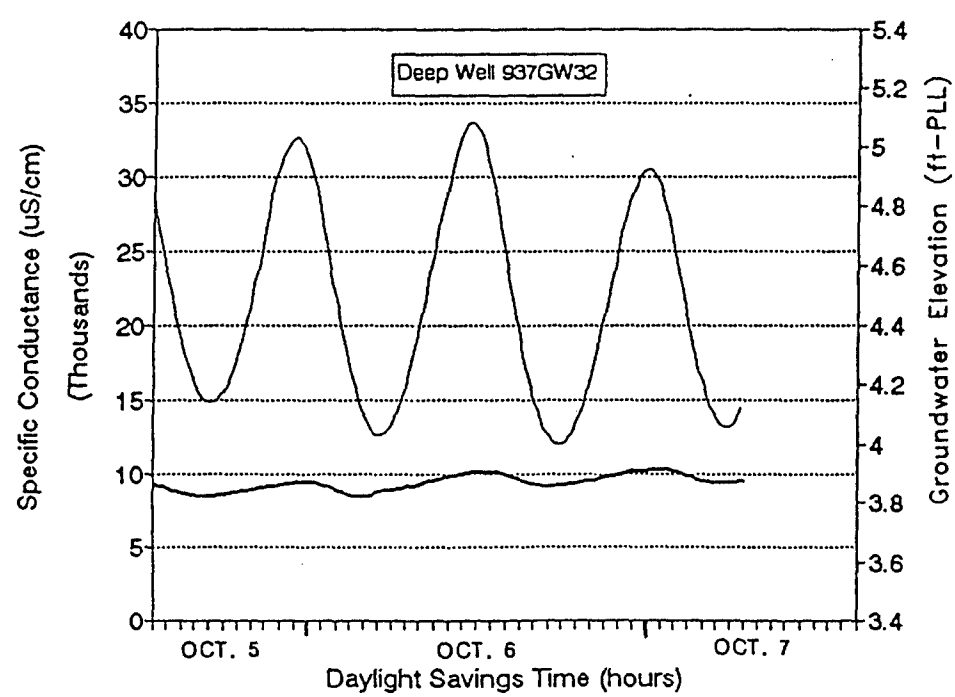
BUILDING 900S SERIES STUDY AREA AVERAGE STAGE RATIOS, RI TIDAL STUDIES 1, 2, AND 3

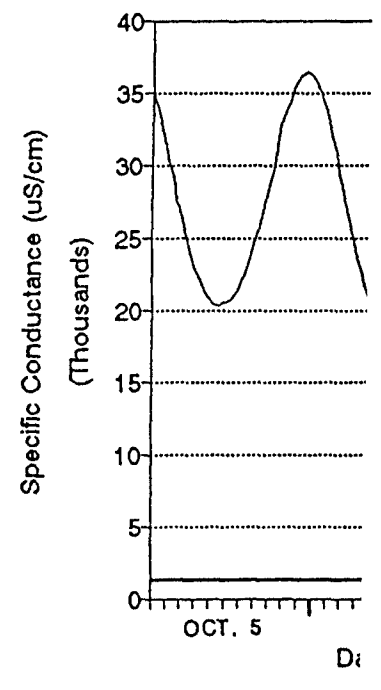
PSF25119/DV1

Date: January 1997 | Figure 6.3-14







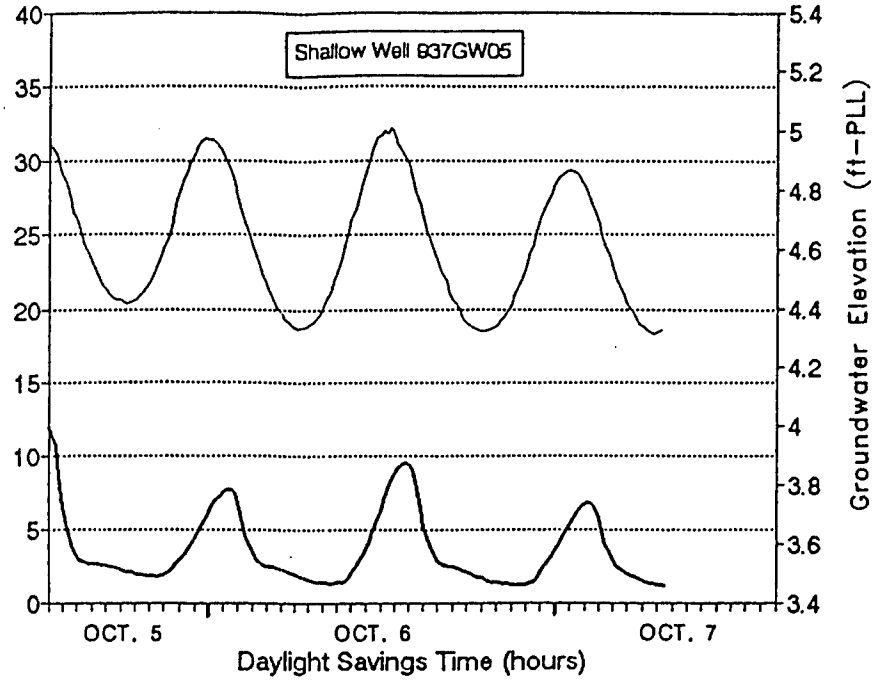


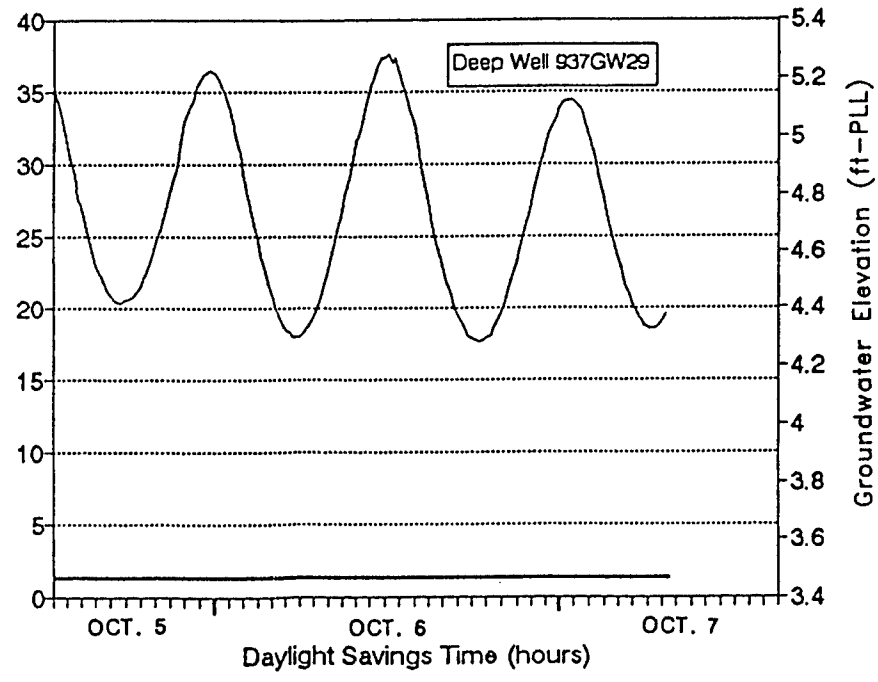
EXPLANATION

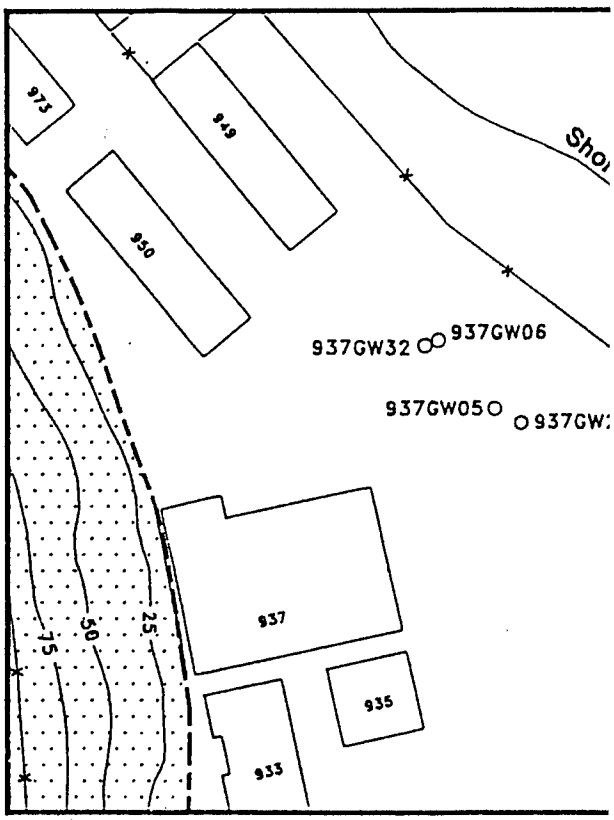
- O — MONITORING WELL
- ——— GROUNDWATER ELEVATION (ft-msl)
- ——— SPECIFIC CONDUCTANCE (uS/cm)
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP

ft-PLL — FEET-PRESIDIO LOWER LOW WATE
uS/cm — MICROSIEMENS PER CENTIMETER

NOTE: GROUNDWATER ELEVATIONS FOR SHALLOW WELLS ARE EQUIVALENT FRESHWATER HEADS.



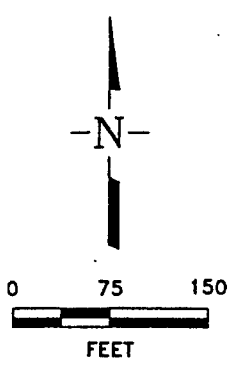




INSET OF BUILDING
900s SERIES STUDY AREA

IDIO LOWER LOW WATER
ENS PER CENTIMETER

TER ELEVATIONS FOR
VELLS ARE EQUIVALENT
R HEADS.

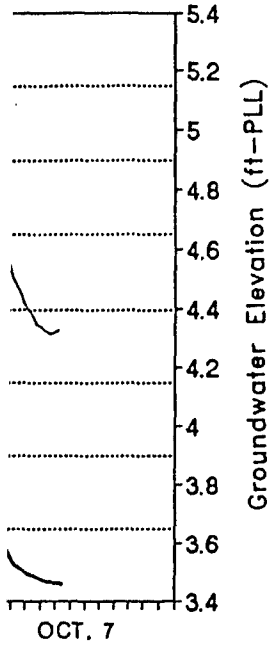


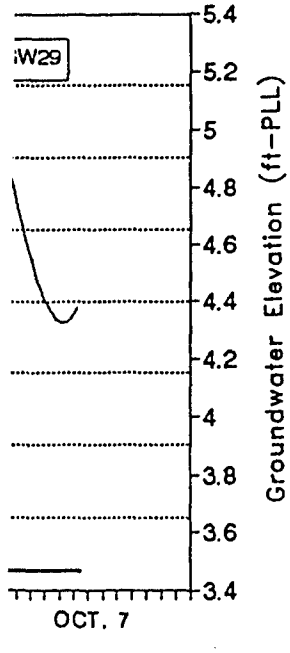
DAMES &

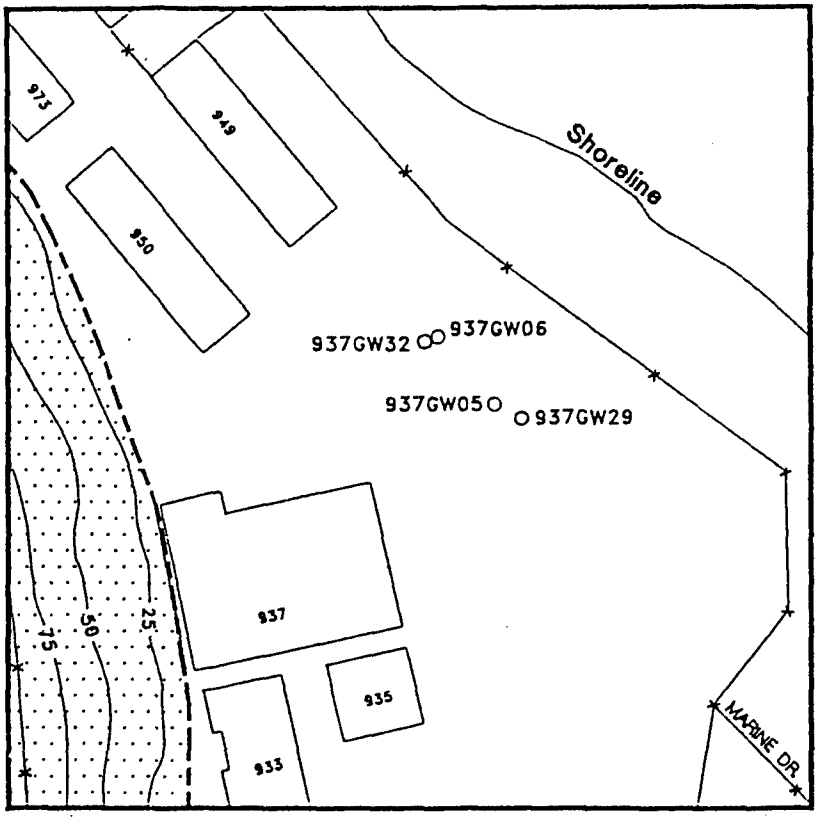
BUILDING 900s SERIE
SPECIFIC CONDUC
WATER LEVEL HY
IRA TIDAL ST

PSF25133\DV1

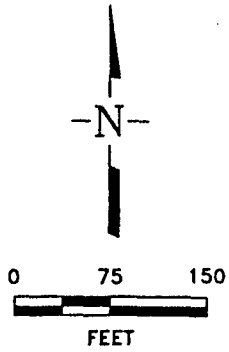
Date: January 1997 | Fi







INSET OF BUILDING
900s SERIES STUDY AREA

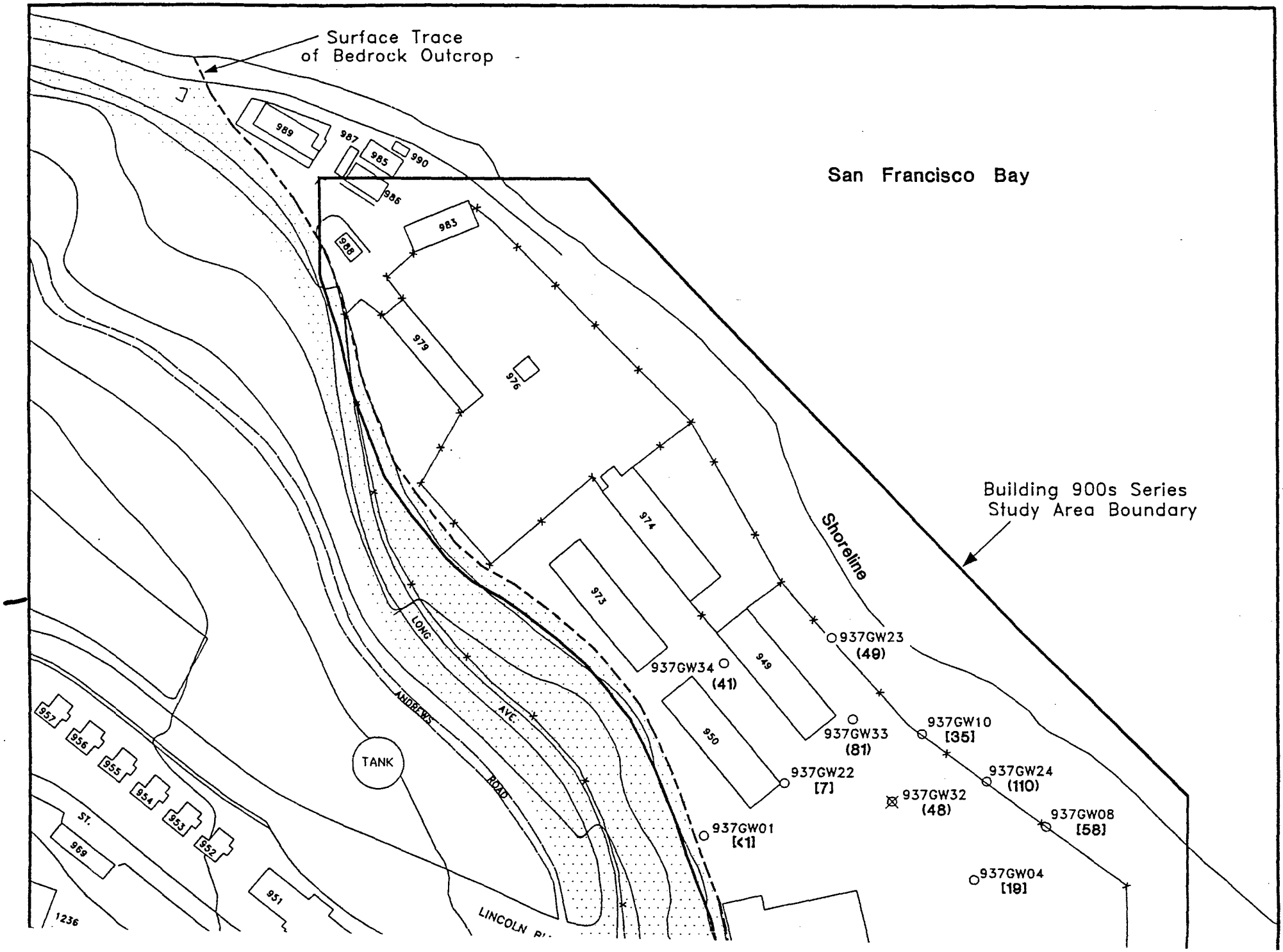


DAMES & MOORE

BUILDING 900s SERIES STUDY AREA
SPECIFIC CONDUCTANCE AND
WATER LEVEL HYDROGRAPHS,
IRA TIDAL STUDY 1

PSF25133\DV1

Date: January 1997 | Figure: 6.3-15


Surface Trace
of Bedrock Outcrop
San Francisco Bay
Building 900s Series
Study Area Boundary
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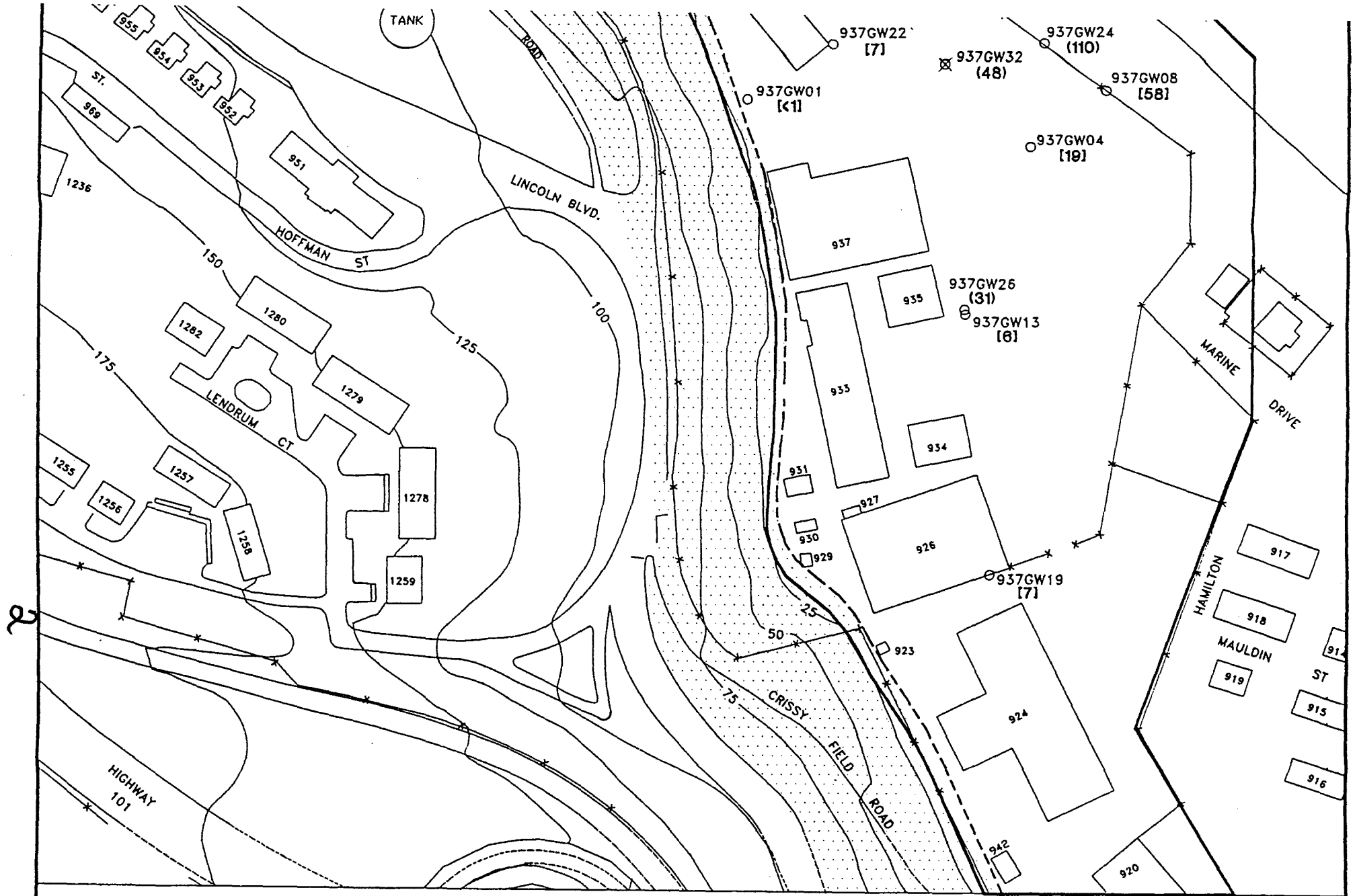
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FIELD
ROAD
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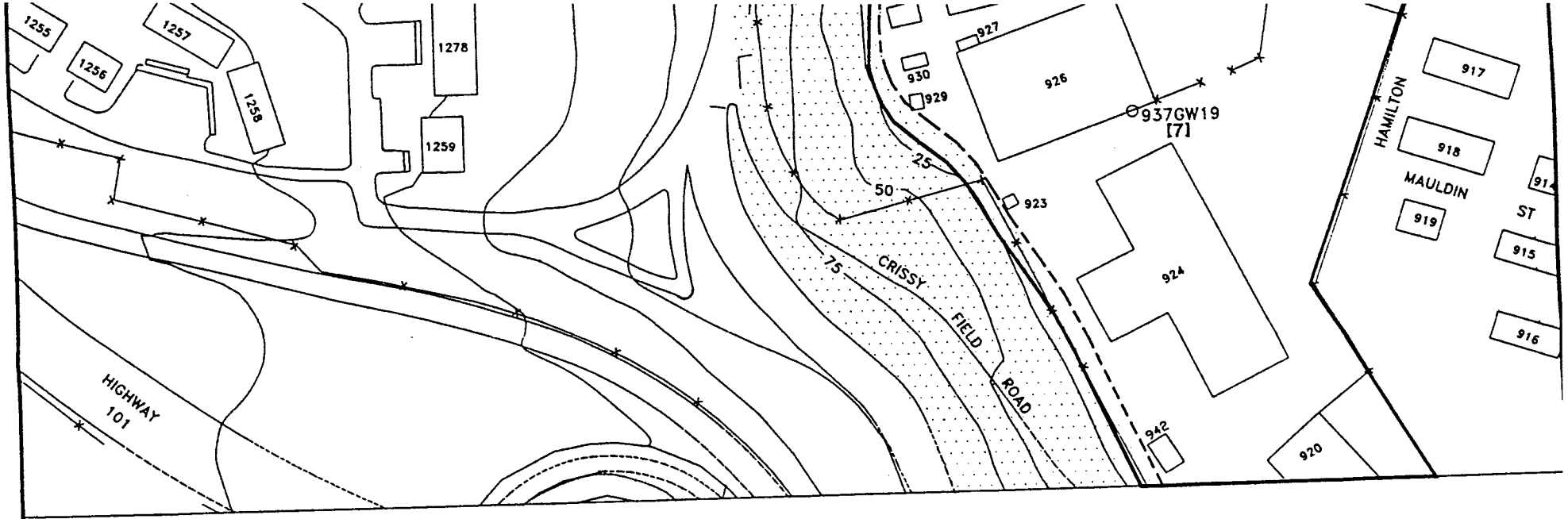
101
EXPLANATION
SHALLOW MONITORING WELL[1]
(41) ESTIMATED HYDRAULIC CONDUCTIVITY (FT/DAY)
DEEP MONITORING WELL[2]
(48) ESTIMATED HYDRAULIC CONDUCTIVITY (FT/DAY)
CONTOUR INTERVAL 25 FEET
TOPOGRAPHIC ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER
-N-
DAMES & MOORE



EXPLANATION

- ○ (41) SHALLOW MONITORING WELL[1] ESTIMATED HYDRAULIC CONDUCTIVITY (FT/DAY)
- ⊠ (48) DEEP MONITORING WELL[2] ESTIMATED HYDRAULIC CONDUCTIVITY (FT/DAY)
- —175— TOPOGRAPHIC CONTOUR
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP

CONTOUR INTERVAL 25 FEET

TOPOGRAPHIC ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

NOTES : 1. SHALLOW MONITORING WELLS ARE SCREENED ACROSS THE WATER TABLE.
2. DEEP MONITORING WELLS ARE SCREENED AT BOTTOM OF AQUIFER.
VALUES IN BRACKETS [ ] ARE FROM SEI,1986

-N-

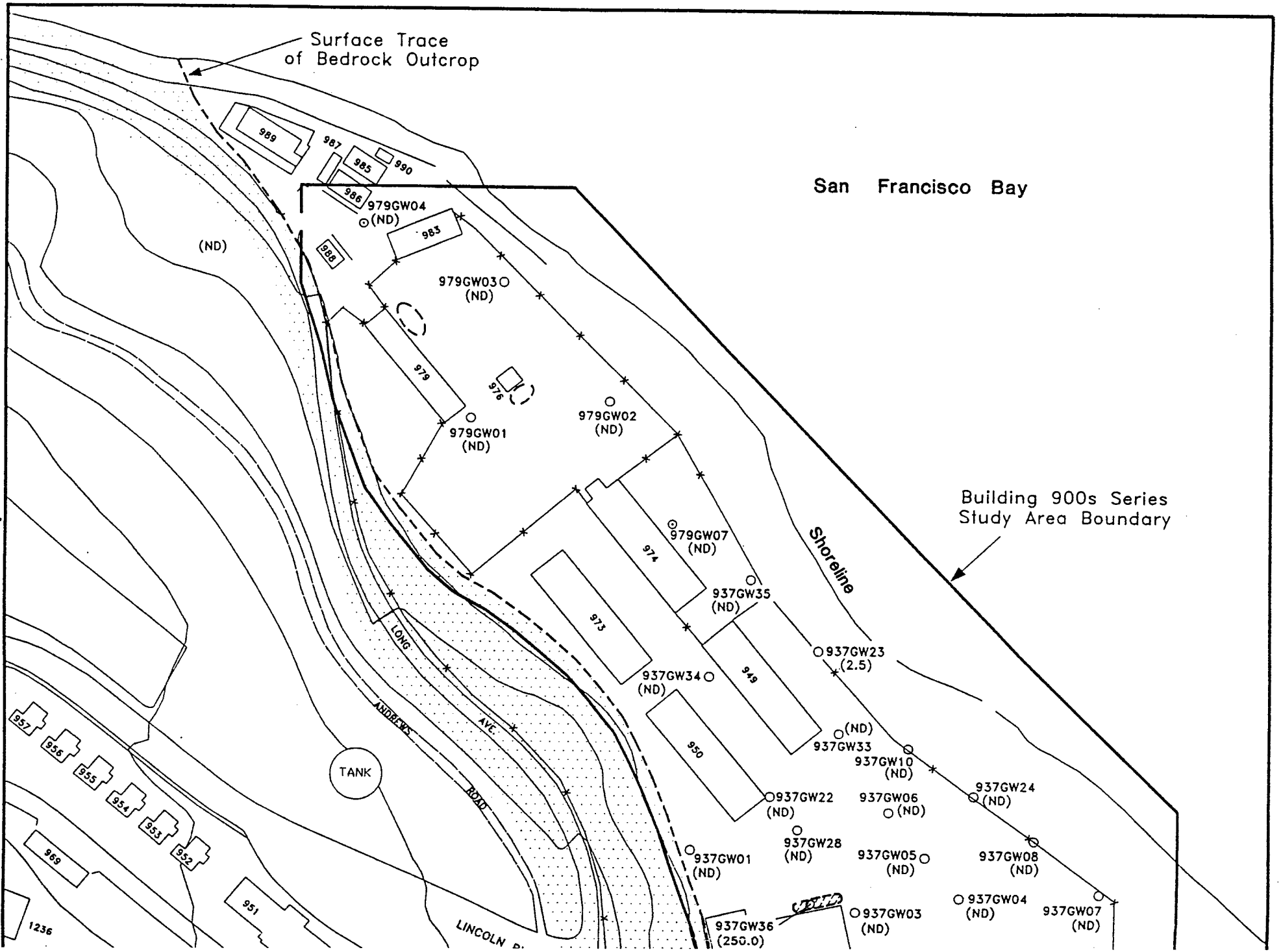
0 75 150
FEET

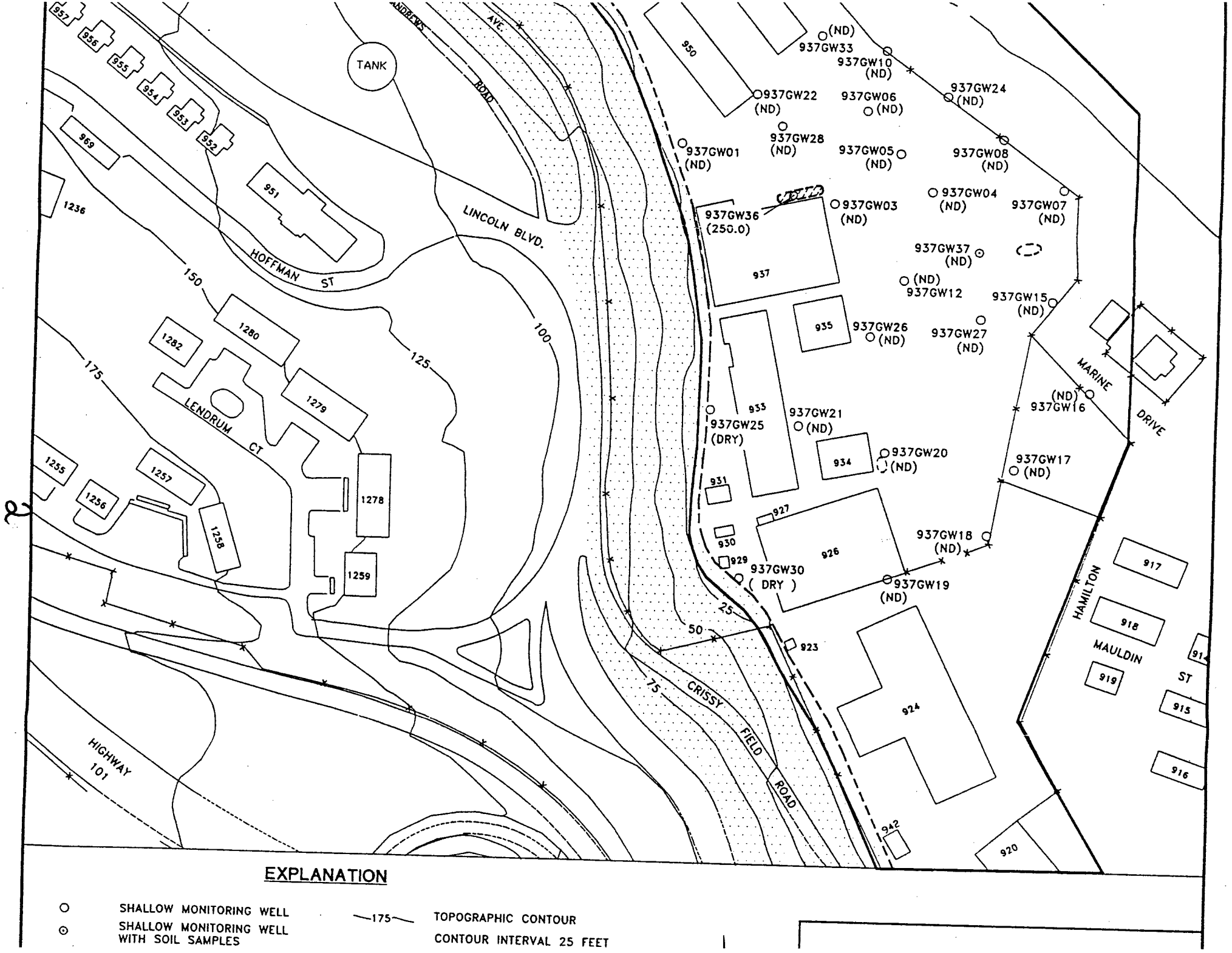
DAMES & MOORE

BUILDING 900s SERIES STUDY AREA ESTIMATED HYDRAULIC CONDUCTIVITY

PSF25131/DV1

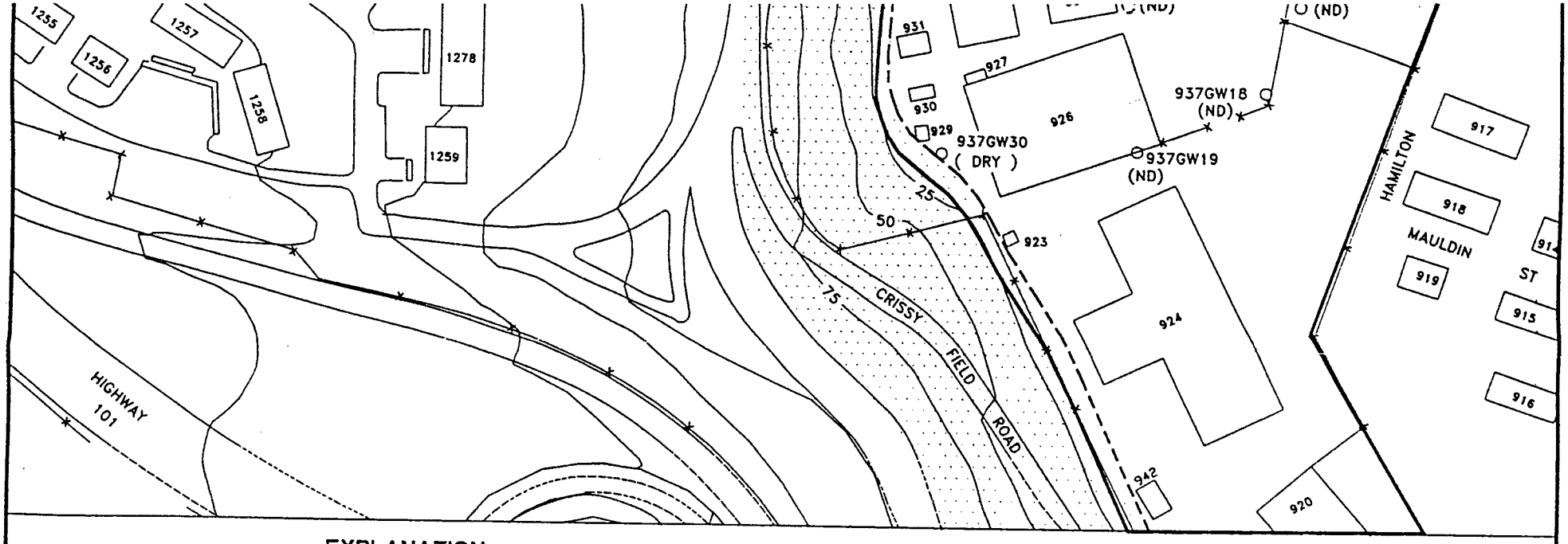
Date: January 1997 | Figure 6.3-16


Surface Trace
of Bedrock Outcrop
San Francisco Bay
Building 900s Series
Study Area Boundary
Shoreline
989
987
985
990
986
979GW04
(ND)
983
988
(ND)
979GW03
(ND)
979
976
979GW01
(ND)
979GW02
(ND)
979GW07
(ND)
974
973
937GW35
(ND)
937GW23
(2.5)
937GW34
(ND)
949
950
(ND)
937GW33
937GW10
(ND)
937GW24
(ND)
937GW22
(ND)
937GW06
(ND)
937GW28
(ND)
937GW01
(ND)
937GW05
(ND)
937GW08
(ND)
937GW04
(ND)
937GW07
(ND)
937GW03
(ND)
937GW36
(250.0)
TANK
LONG
ANDREWS
AVE.
ROAD
957
956
955
954
953
952
969
951
1236
LINCOLN



EXPLANATION

- ○ SHALLOW MONITORING WELL
- ⊙ SHALLOW MONITORING WELL WITH SOIL SAMPLES
- —175— TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET



EXPLANATION

- ○ SHALLOW MONITORING WELL
- ⊙ SHALLOW MONITORING WELL WITH SOIL SAMPLES
- (250.0) SUMMED CONCENTRATION (ug/L)
- (ND) NOT DETECTED
- APPROXIMATE LOCATION OF USTs
- APPROXIMATE LOCATION OF USTs REMOVED DURING IRA
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- —175— TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET
- ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

NOTE: [1] SHALLOW MONITORING WELLS ARE SCREENED ACROSS THE WATER TABLE.

[2] SAMPLES COLLECTED IN NOVEMBER 1994 THROUGH FEBRUARY 1995.

[3] SUMMED COMPOUNDS ARE BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENE

N

0 75 150

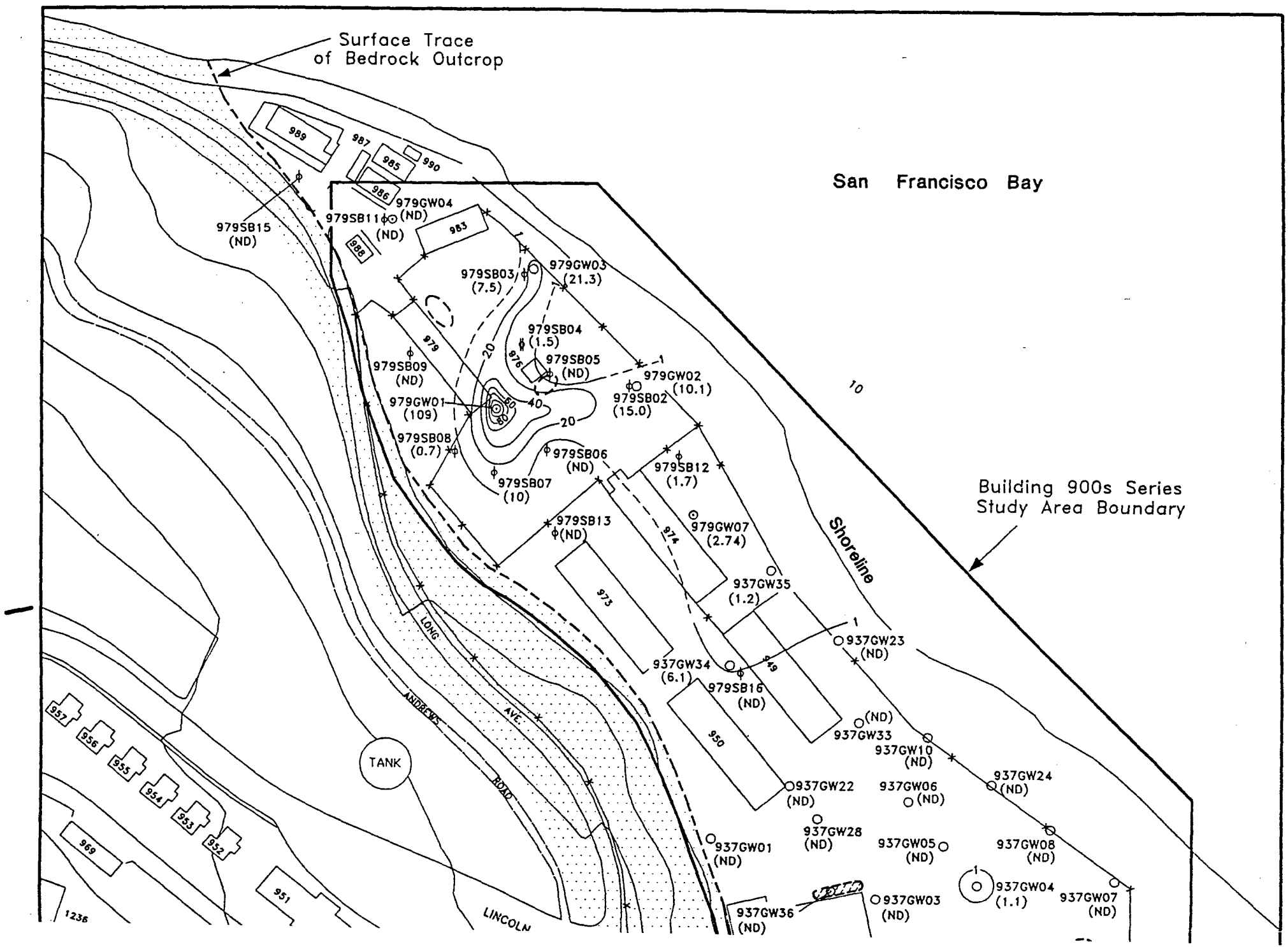
FEET

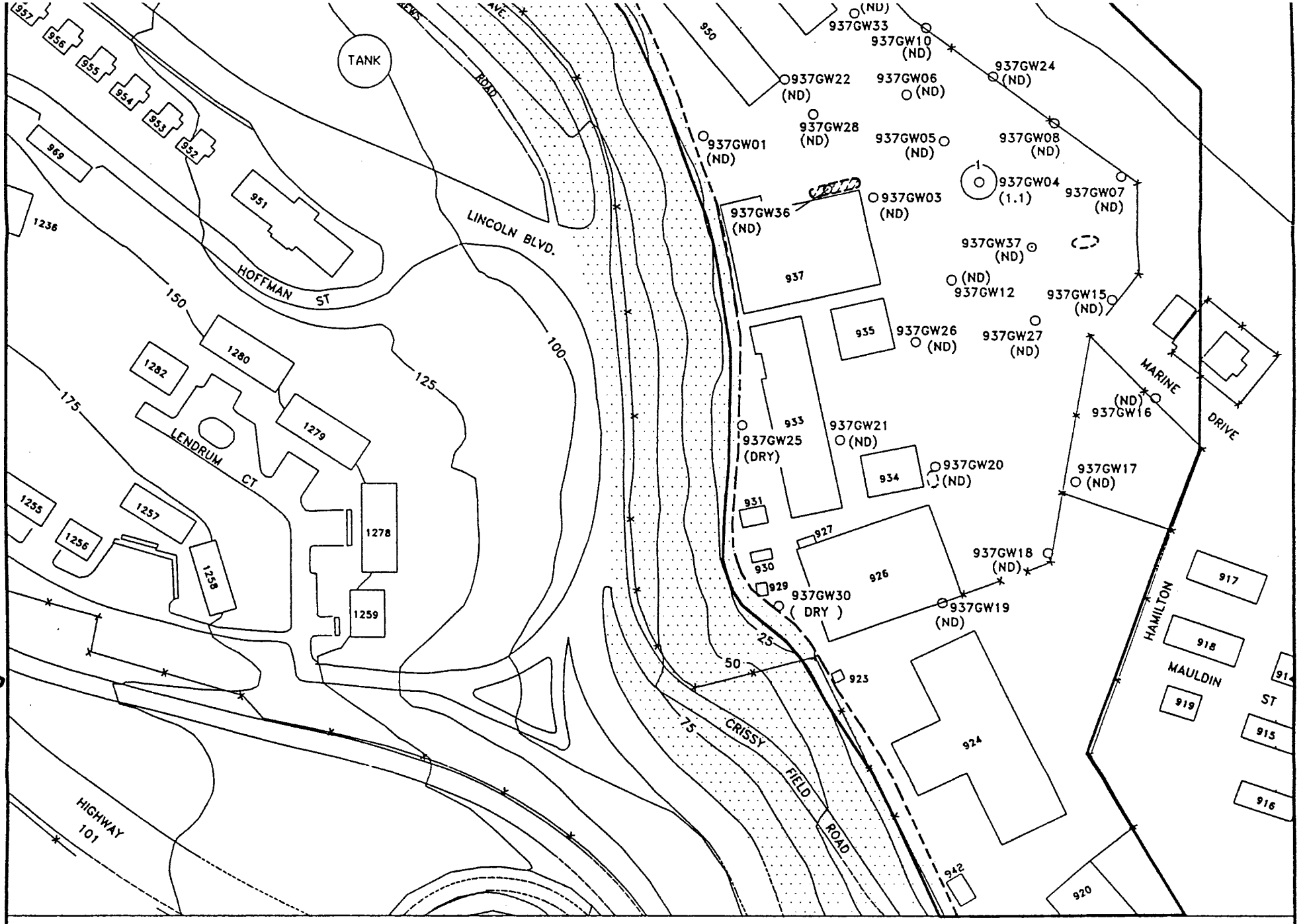
DAMES & MOORE

BUILDING 900s SERIES STUDY AREA, SUM OF CONCENTRATIONS OF BTEX COMPOUNDS IN SHALLOW GROUNDWATER

PSF25155/DV1

Date: January 1997 | Figure 6.5-65

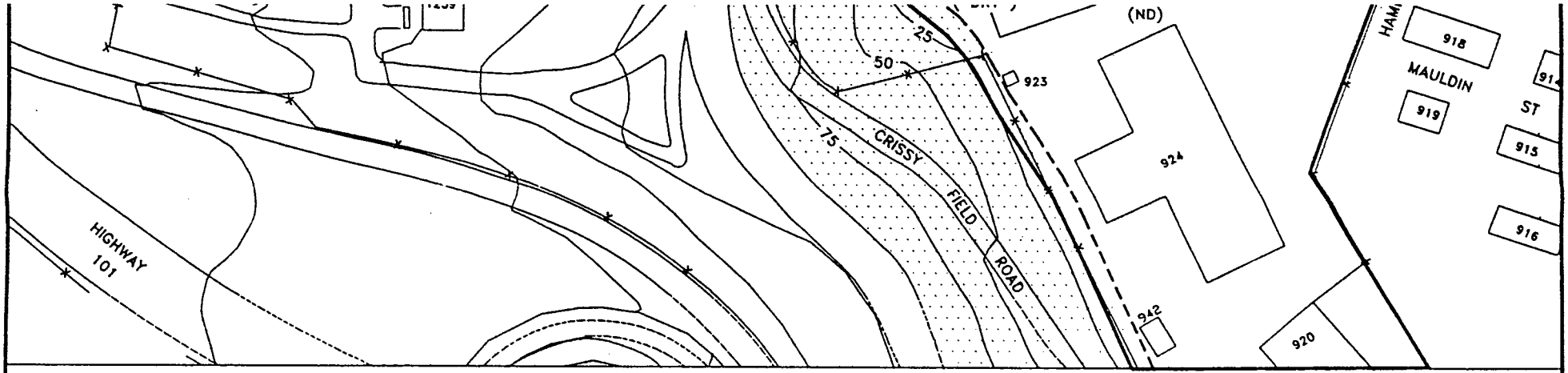

Surface Trace
of Bedrock Outcrop
San Francisco Bay
Building 900s Series
Study Area Boundary
Shoreline
979SB15
(ND)
979SB11
(ND)
979GW04
(ND)
979SB03
(7.5)
979GW03
(21.3)
979SB04
(1.5)
979SB05
(ND)
979SB09
(ND)
979GW01
(109)
979GW02
(10.1)
979SB02
(15.0)
979SB08
(0.7)
979SB06
(ND)
979SB07
(10)
979SB12
(1.7)
979SB13
(ND)
979GW07
(2.74)
937GW35
(1.2)
937GW23
(ND)
937GW34
(6.1)
979SB16
(ND)
937GW33
(ND)
937GW10
(ND)
937GW24
(ND)
937GW22
(ND)
937GW06
(ND)
937GW28
(ND)
937GW01
(ND)
937GW05
(ND)
937GW08
(ND)
937GW04
(1.1)
937GW07
(ND)
937GW36
(ND)
937GW03
(ND)
TANK
ANDREWS AVE.
LONG ROAD
LINCOLN
989
987
985
990
986
983
988
979
976
974
973
949
950
957
956
955
954
953
952
969
951
1236
10
20
40
80
100



EXPLANATION

- ○ SHALLOW MONITORING WELL
- ⊙ SHALLOW MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- —175— TOPOGRAPHIC CONTOUR

DAMES & MOORE



EXPLANATION

- ○ SHALLOW MONITORING WELL
- ⊙ SHALLOW MONITORING WELL WITH SOIL SAMPLES
- ϕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- ϕ DISCRETE GROUNDWATER SAMPLE
- (37) SUMMED ISOCONCENTRATION (ug/L)
- (ND) NOT DETECTED
- 40 ISOCONCENTRATION CONTOURS (ug/L) (DASHED WHERE INFERRED)
- APPROXIMATE LOCATION OF USTs
- APPROXIMATE LOCATION OF USTs REMOVED DURING IRA
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- 175 TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET
- ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

NOTE: [1] SHALLOW MONITORING WELLS ARE SCREENED ACROSS THE WATER TABLE. PARENTHESES INDICATE DAMAGED WELLS.

[2] SAMPLES COLLECTED NOVEMBER 1994 THROUGH FEBRUARY 1995.

[3] SUMMED COMPOUNDS ARE PCE, 111TCA, TCE, AND 11DCA

N

0 75 150

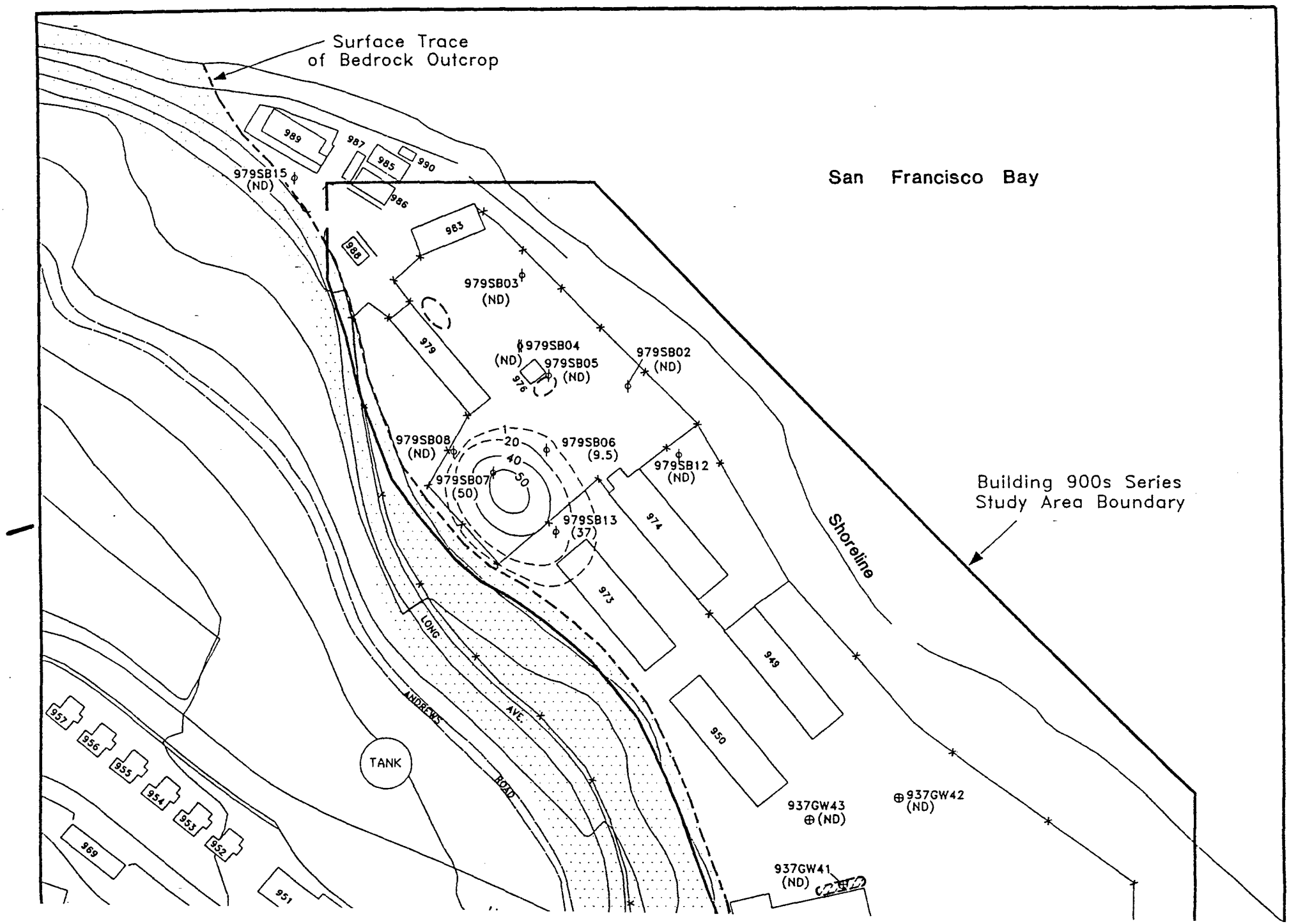
FEET

DAMES & MOORE

BUILDING 900s SERIES STUDY AREA, SUM OF CONCENTRATIONS OF PARENT CHLORINATED COMPOUNDS IN SHALLOW GROUNDWATER

PSF25151/DV1

Date: January 1997 | Figure 6.5-67


Surface Trace
of Bedrock Outcrop
San Francisco Bay
Building 900s Series
Study Area Boundary
Shoreline
979SB15 (ND)
979SB03 (ND)
979SB04 (ND)
979SB05 (ND)
979SB02 (ND)
979SB08 (ND)
979SB06 (9.5)
979SB12 (ND)
979SB07 (50)
979SB13 (37)
937GW43 (ND)
937GW42 (ND)
937GW41 (ND)
TANK
LONG
AVE.
ANDREWS
ROAD
989
987
985
990
986
988
983
979
976
974
973
949
950
957
956
955
954
953
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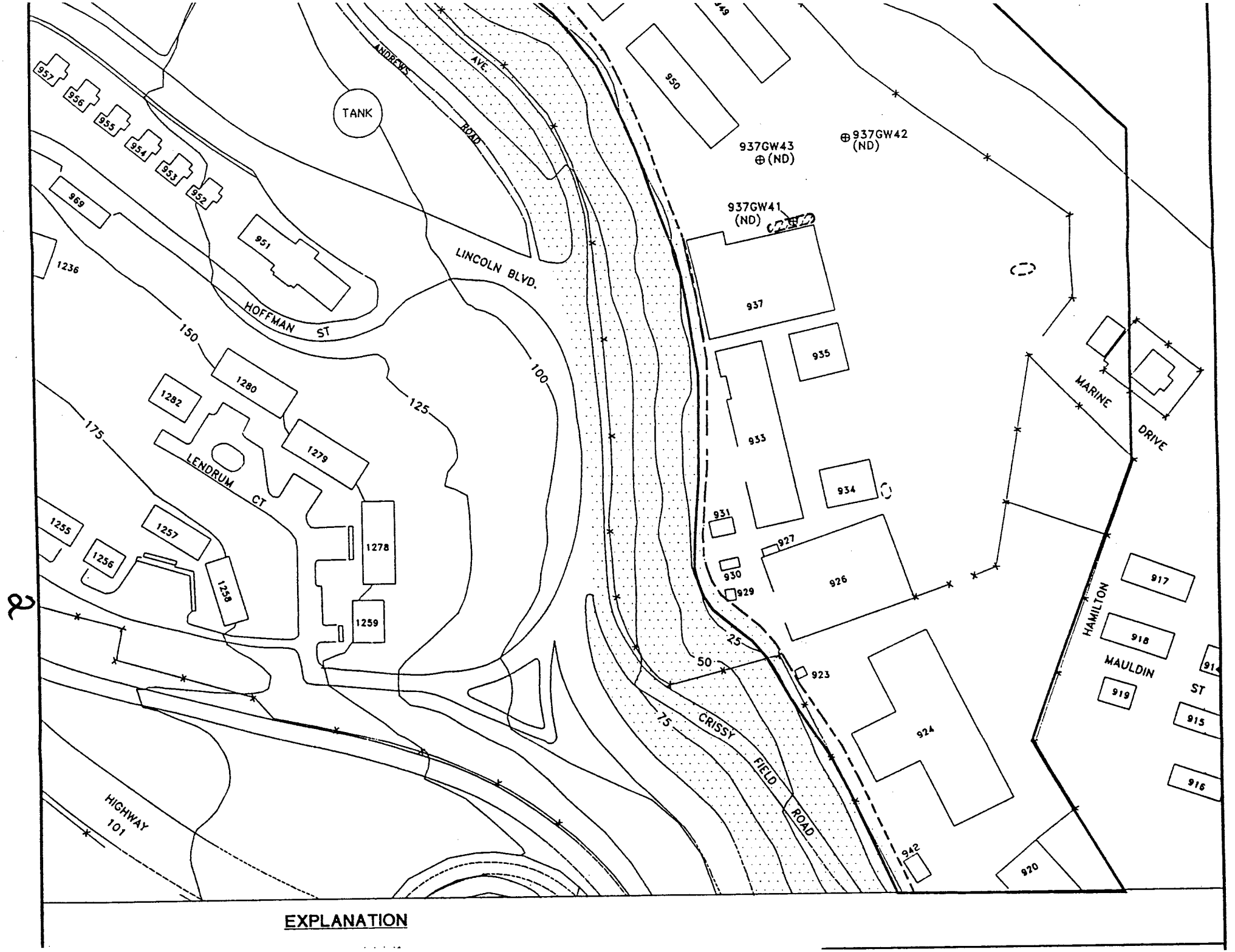
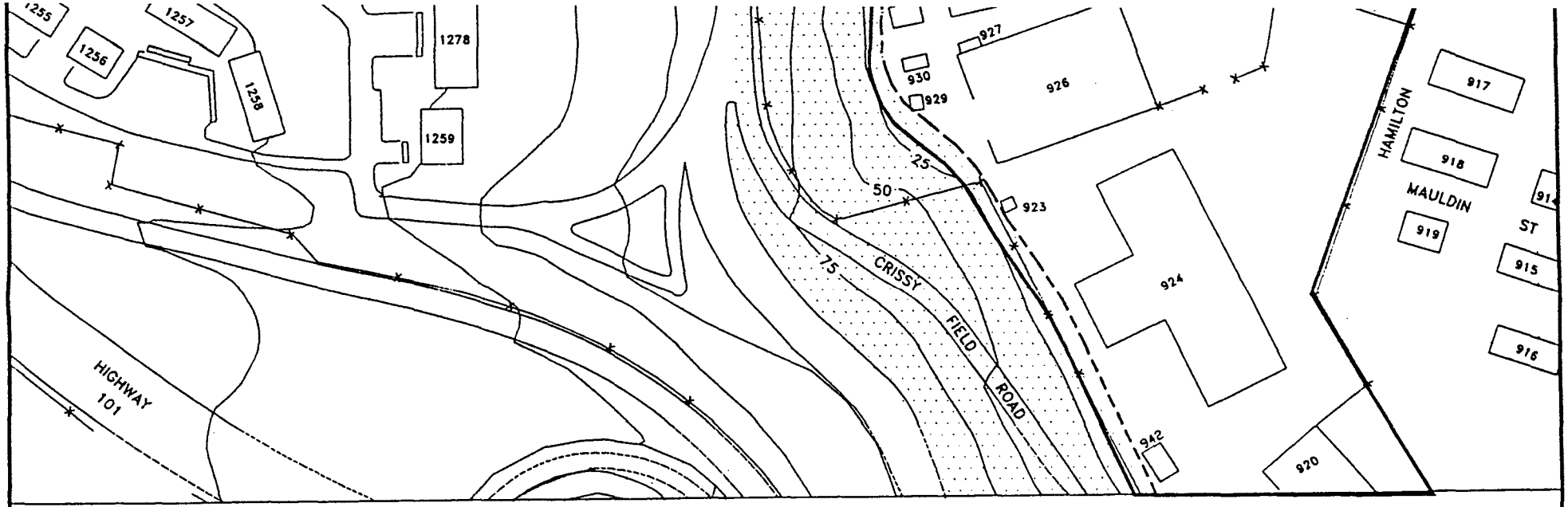
969
951
1
20
40
50



EXPLANATION



EXPLANATION

- ⊕ INTERMEDIATE MONITORING WELL
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- ϕ DISCRETE GROUNDWATER SAMPLE
- (50) SUMMED CONCENTRATION (ug/L)
- (ND) NOT DETECTED
- 10 ISOCONCENTRATION CONTOUR (ug/L) (DASHED WHERE INFERRED)
- APPROXIMATE LOCATION OF USTs
- APPROXIMATE LOCATION OF USTs REMOVED DURING IRA
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- 175 TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET
- ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

NOTE: [1]INTERMEDIATE MONITORING WELLS ARE SCREENED ENTIRELY WITHIN THE SATURATED ZONE AND ABOVE BEDROCK

[2]SAMPLES COLLECTED NOVEMBER 1994 THROUGH FEBRUARY 1995

[3]SUMMED COMPOUNDS ARE PCE, 111TCA, TCE, AND 11DCA

N

0 75 150

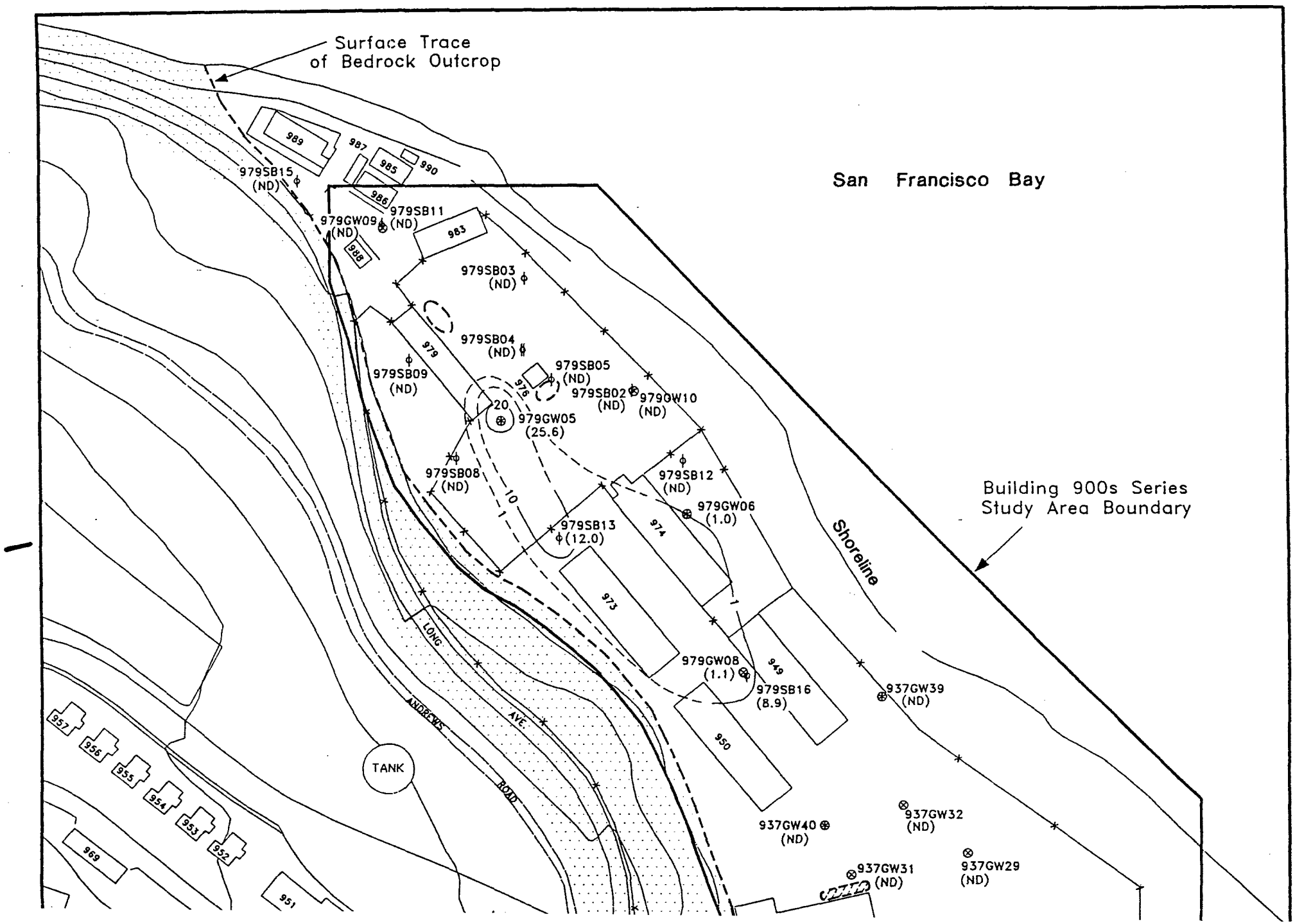
FEET

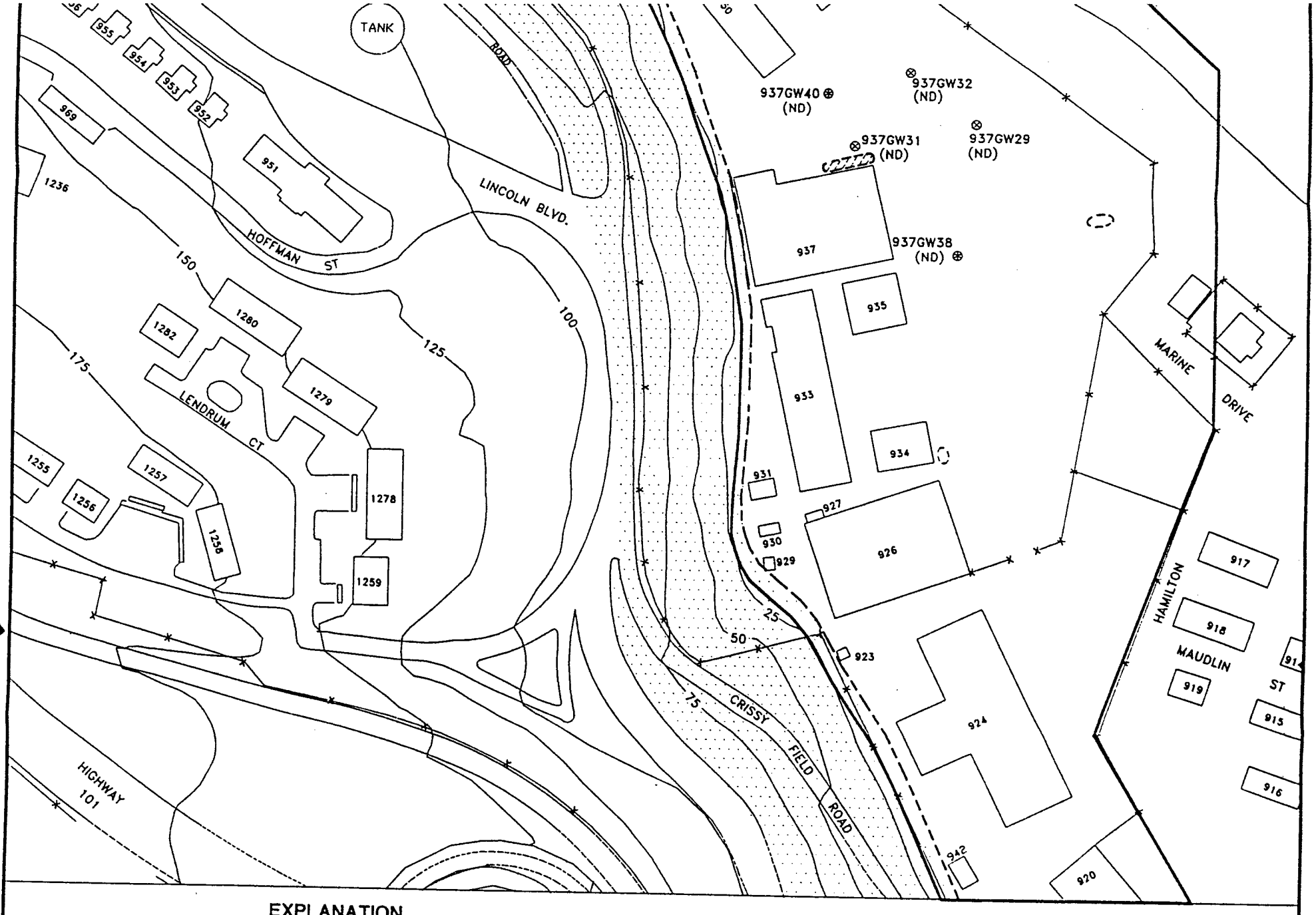
DAMES & MOORE

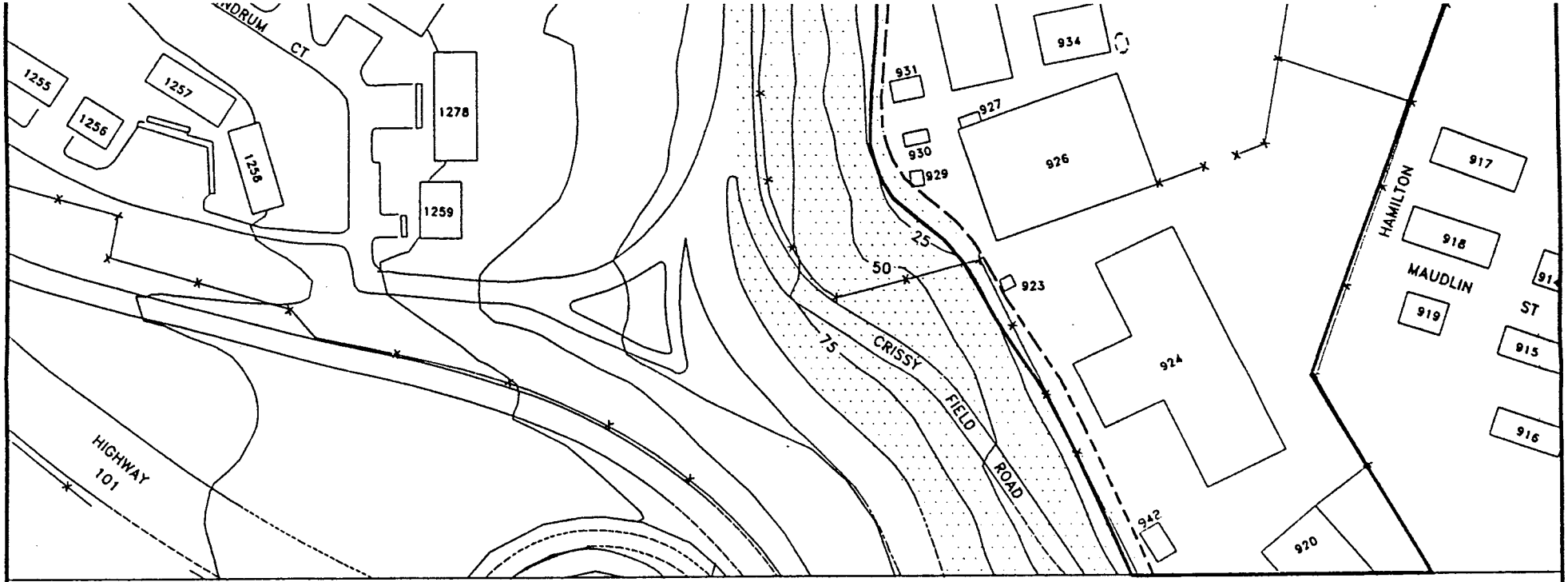
BUILDING 900s SERIES STUDY AREA, SUM OF CONCENTRATIONS OF PARENT CHLORINATED COMPOUNDS IN INTERMEDIATE GROUNDWATER

PSF25187\DV1

Date: January 1997 | Figure 6.5-68


Surface Trace
of Bedrock Outcrop
San Francisco Bay
Building 900s Series
Study Area Boundary
Shoreline
979SB15
(ND)
979GW09
(ND)
979SB11
(ND)
979SB03
(ND)
979SB04
(ND)
979SB09
(ND)
979SB05
(ND)
979SB02
(ND)
979GW10
(ND)
979GW05
(25.6)
979SB08
(ND)
979SB12
(ND)
979GW06
(1.0)
979SB13
(12.0)
979GW08
(1.1)
979SB16
(8.9)
937GW39
(ND)
937GW40
(ND)
937GW32
(ND)
937GW31
(ND)
937GW29
(ND)
TANK
LONG
ANDREWS
AVE.
ROAD
989
987
985
990
986
983
988
979
976
20
10
1
974
973
949
950
957
956
955
954
953
952
969
951


TANK
ROAD
937GW40 (ND)
937GW32 (ND)
937GW31 (ND)
937GW29 (ND)
937GW38 (ND)
LINCOLN BLVD.
HOFFMAN ST
LENDRUM CT
MARINE DRIVE
HAMILTON
MAUDLIN ST
CRISSY FIELD ROAD
HIGHWAY 101
969
955
954
953
952
951
1236
1282
1280
1279
1278
1259
1258
1257
1256
1255
937
935
933
934
931
927
930
929
926
923
924
942
920
917
918
919
915
916
150
175
125
100
50
25
75
EXPLANATION
DEEP MONITORING WELL
DEEP MONITORING WELL WITH SOIL SAMPLES
SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
DISCRETE GROUNDWATER SAMPLE
APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
TOPOGRAPHIC CONTOUR
CONTOUR INTERVAL 25 FEET
DAMES & MOORE



EXPLANATION

- ⊗ DEEP MONITORING WELL
- ⊛ DEEP MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- ϕ DISCRETE GROUNDWATER SAMPLE
- (12) SUMMED ISOCONCENTRATION (ug/L)
- (ND) NOT DETECTED
- 10 ISOCONCENTRATION CONTOUR (ug/L) (DASHED WHERE INFERRED)
- APPROXIMATE LOCATION OF USTs
- APPROXIMATE LOCATION OF USTs REMOVED DURING IRA
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- 175 TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET
- ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

NOTE:
1. DEEP MONITORING WELLS ARE SCREENED AT BOTTOM OF AQUIFER.
2. SAMPLES COLLECTED NOVEMBER 1994 THROUGH MARCH 1995.
3. SUMMED COMPOUNDS ARE PCE, 111TCA, TCE, AND 11DCA

N

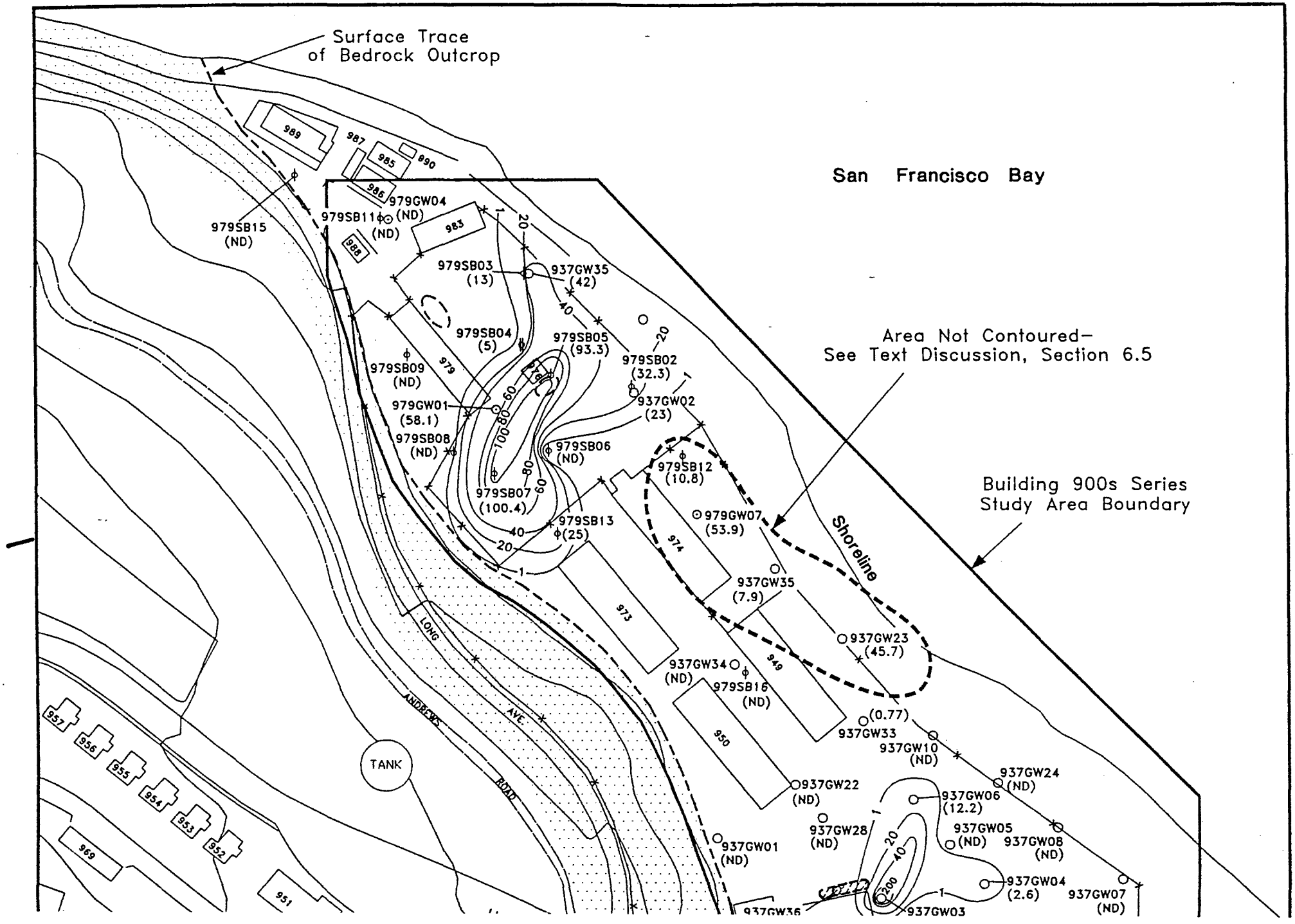
0 75 150
FEET

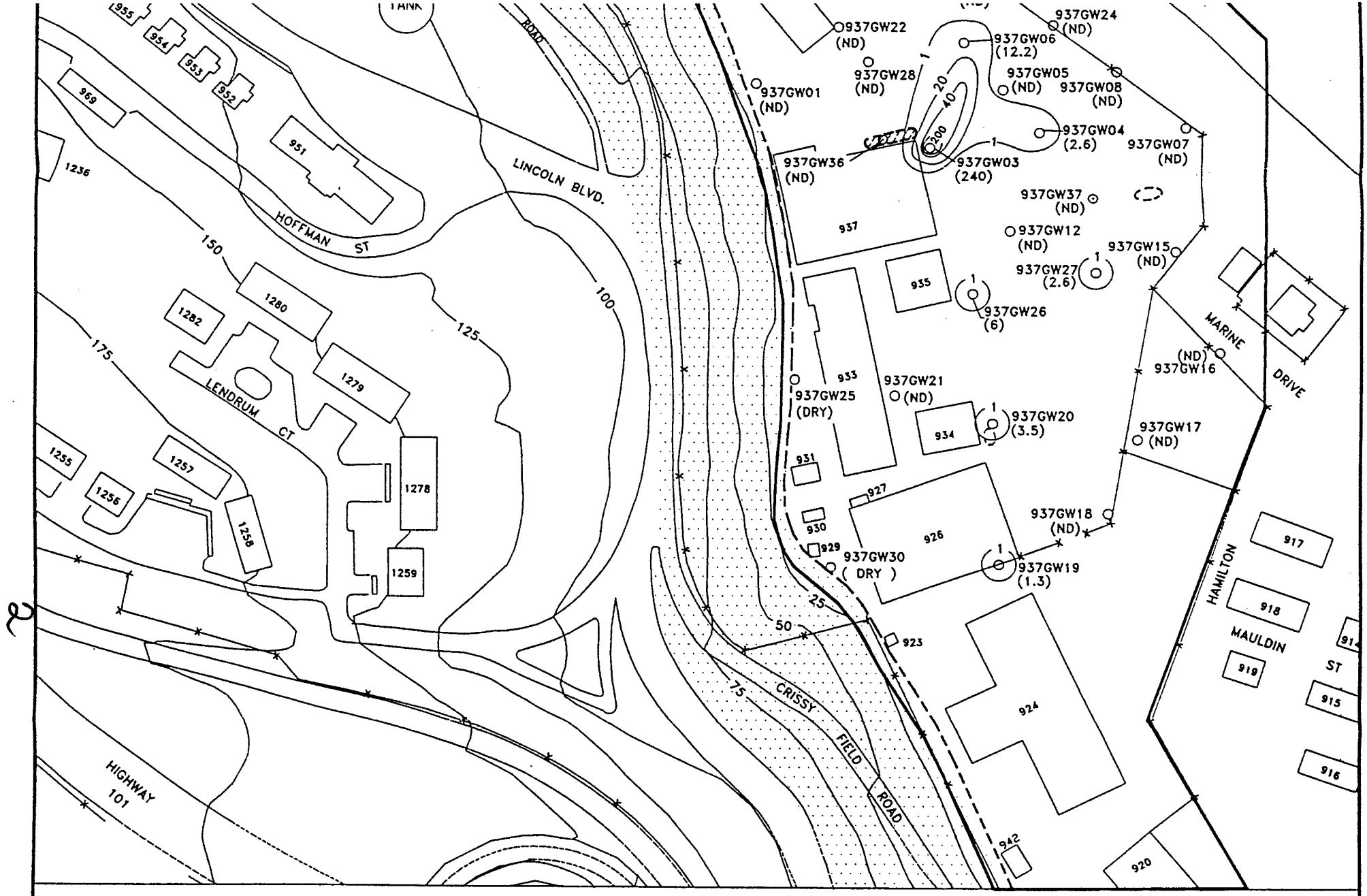
DAMES & MOORE

BUILDING 900s SERIES STUDY AREA, SUM OF CONCENTRATIONS OF PARENT CHLORINATED COMPOUNDS IN DEEP GROUNDWATER

PSF25152/DV1

Date: January 1997 | Figure 6.5-69


Surface Trace
of Bedrock Outcrop
San Francisco Bay
Area Not Contoured–
See Text Discussion, Section 6.5
Building 900s Series
Study Area Boundary
Shoreline
979SB15
(ND)
979SB11
(ND)
979GW04
(ND)
979SB03
(13)
937GW35
(42)
979SB04
(5)
979SB05
(93.3)
979SB02
(32.3)
979SB09
(ND)
979GW01
(58.1)
937GW02
(23)
979SB08
(ND)
979SB06
(ND)
979SB07
(100.4)
979SB12
(10.8)
979SB13
(25)
979GW07
(53.9)
937GW35
(7.9)
937GW23
(45.7)
937GW34
(ND)
979SB16
(ND)
(0.77)
937GW33
937GW10
(ND)
937GW24
(ND)
937GW22
(ND)
937GW06
(12.2)
937GW28
(ND)
937GW05
(ND)
937GW08
(ND)
937GW01
(ND)
937GW04
(2.6)
937GW07
(ND)
937GW36
937GW03
989
987
985
990
986
988
983
979
974
973
949
950
957
956
955
954
953
952
969
951
TANK
LONG
ANDREWS
AVE.
ROAD


937GW22 (ND)
937GW24 (ND)
937GW06 (12.2)
937GW28 (ND)
937GW05 (ND)
937GW08 (ND)
937GW01 (ND)
937GW04 (2.6)
937GW07 (ND)
937GW36 (ND)
937GW03 (240)
937GW37 (ND)
937GW12 (ND)
937GW15 (ND)
937GW27 (2.6)
937GW26 (6)
937GW16 (ND)
937GW25 (DRY)
937GW21 (ND)
937GW20 (3.5)
937GW17 (ND)
937GW18 (ND)
937GW30 (DRY)
937GW19 (1.3)
LINCOLN BLVD.
HOFFMAN ST
LENDRUM CT
MARINE DRIVE
HAMILTON
MAULDIN ST
CRISSY FIELD ROAD
HIGHWAY 101
TANK
ROAD
969
955
954
953
952
951
1236
1282
1280
1279
1278
1259
1258
1257
1256
1255
937
935
934
933
931
930
929
927
926
924
923
942
920
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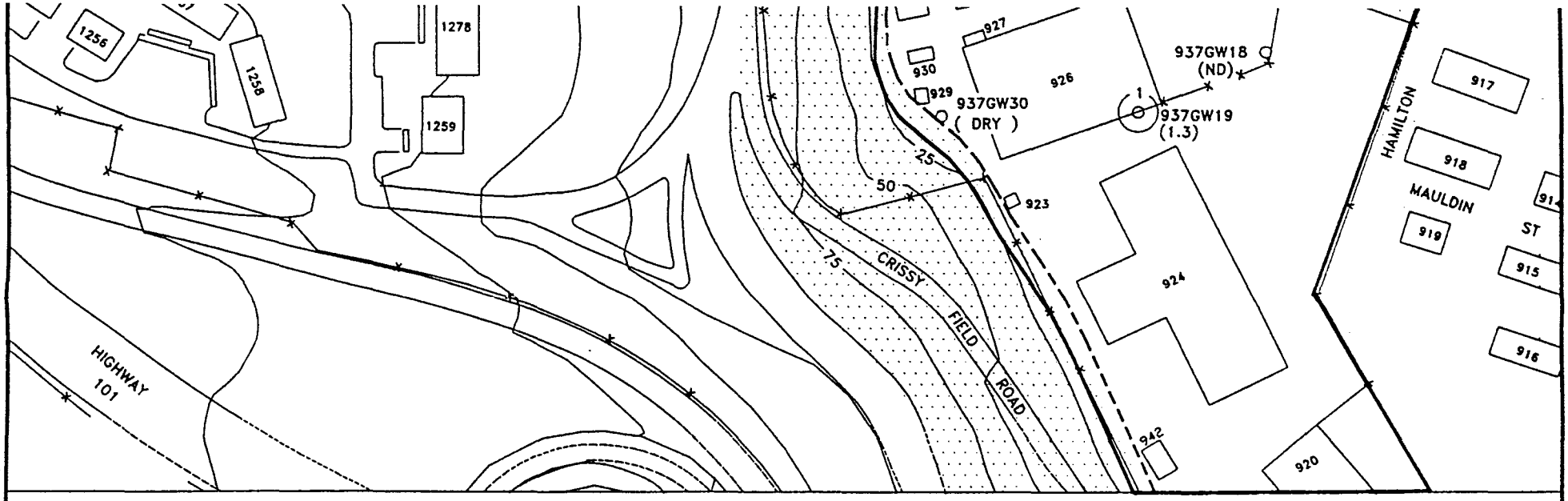
918
917
916
915
914
150
175
125
100
75
50
25
20
40
1
EXPLANATION
SHALLOW MONITORING WELL
SHALLOW MONITORING WELL WITH SOIL SAMPLES
SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
DISCRETE GROUNDWATER SAMPLE
(5.2) SUMMED CONCENTRATION (ug/L)
APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
175 TOPOGRAPHIC CONTOUR
CONTOUR INTERVAL 25 FEET
ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER
N
DAMES & MOORE
BUILDING 900s SERIES STUDY AREA



EXPLANATION

- ○ SHALLOW MONITORING WELL
- ⊙ SHALLOW MONITORING WELL WITH SOIL SAMPLES
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- ϕ DISCRETE GROUNDWATER SAMPLE
- (5.2) SUMMED CONCENTRATION (ug/L)
- (ND) NOT DETECTED
- 10 ISOCONCENTRATION CONTOURS (ug/L) (DASHED WHERE INFERRED)
- APPROXIMATE LOCATION OF USTs
- APPROXIMATE LOCATION OF USTs REMOVED DURING IRA
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- 175 TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET
- ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

NOTE: [1] SHALLOW MONITORING WELLS ARE SCREENED ACROSS THE WATER TABLE.

[2] SAMPLES COLLECTED NOVEMBER 1994 THROUGH APRIL 1995.

[3] SUMMED COMPOUNDS ARE CIS–12DCE, TRANS–12DCE, 11DCE, 12DCA, & VINYL CHLORIDE.

N

0 75 150

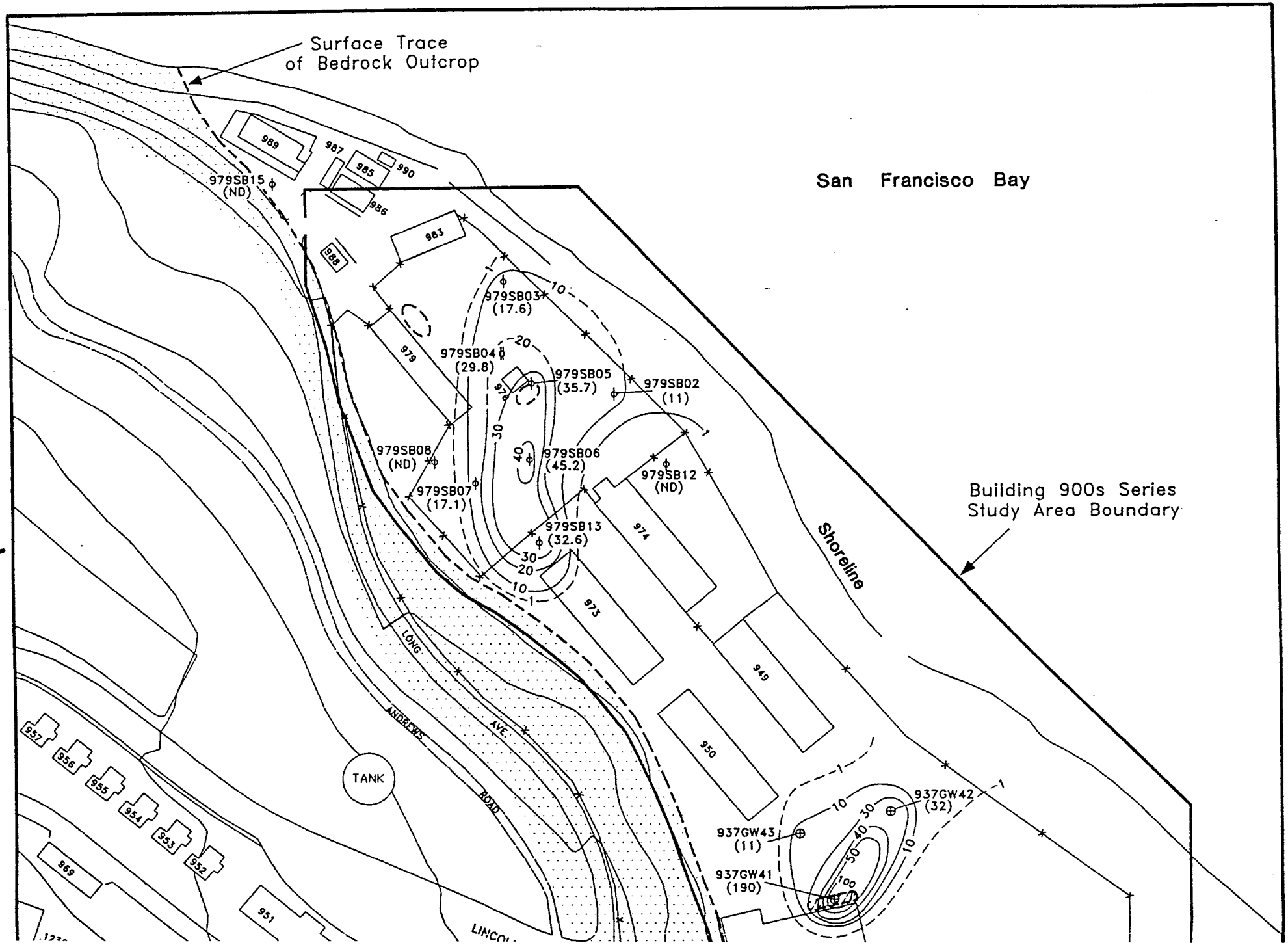
FEET

DAMES & MOORE

BUILDING 900s SERIES STUDY AREA, SUM OF CONCENTRATIONS OF CHLORINATED DEGRADATION PRODUCTS IN SHALLOW GROUNDWATER

PSF25153/DV1

Date: January 1997 | Figure 6.5–70


Surface Trace
of Bedrock Outcrop
San Francisco Bay
Building 900s Series
Study Area Boundary
Shoreline
979SB15
(ND)
979SB03
(17.6)
979SB04
(29.8)
979SB05
(35.7)
979SB02
(11)
979SB08
(ND)
979SB06
(45.2)
979SB12
(ND)
979SB07
(17.1)
979SB13
(32.6)
937GW42
(32)
937GW43
(11)
937GW41
(190)
TANK
LONG
ANDREWS
AVE.
ROAD
989
987
985
990
986
988
983
979
974
973
949
950
957
956
955
954
953
952
969
951

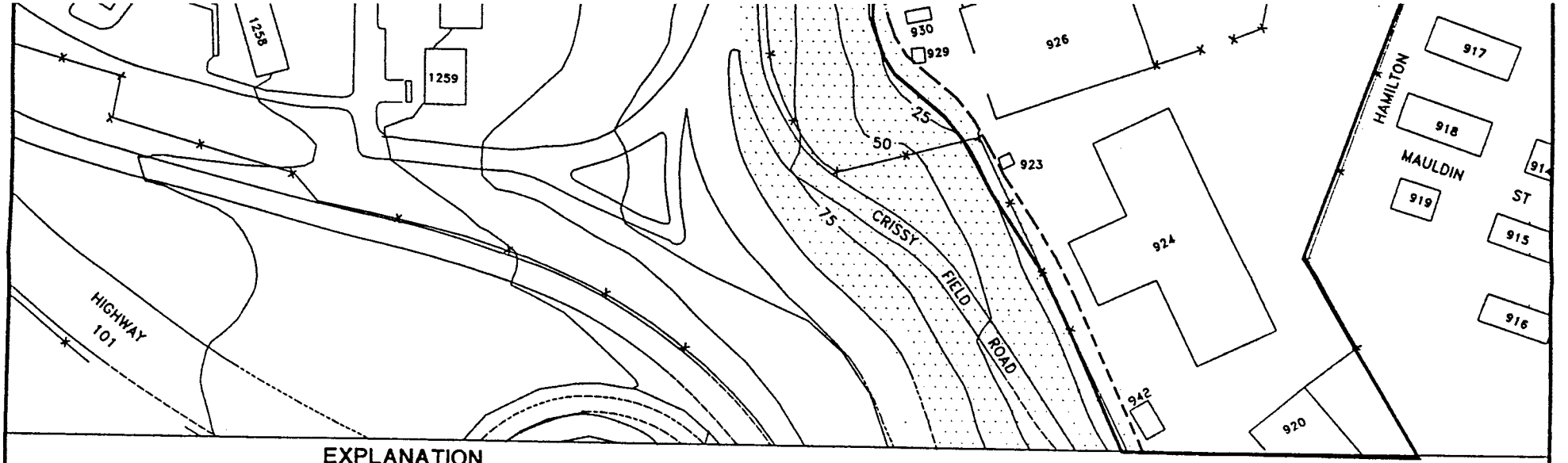
EXPLANATION

- ⊕ INTERMEDIATE MONITORING WELL
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- ⊕ DISCRETE GROUNDWATER SAMPLE
- (190) SUMMED CONCENTRATION (ug/L)
- (ND) NOT DETECTED
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- —175— TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET
- ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

—N—

DAMES & MOORE

BUILDING 900s SERIES STUDY AREA,



EXPLANATION

- ⊕ INTERMEDIATE MONITORING WELL
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- ϕ DISCRETE GROUNDWATER SAMPLE
- (190) SUMMED CONCENTRATION (ug/L)
- (ND) NOT DETECTED
- 10 ISOCONCENTRATION CONTOUR (ug/L) (DASHED WHERE INFERRED)
- APPROXIMATE LOCATION OF USTs
- APPROXIMATE LOCATION OF USTs REMOVED DURING IRA
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- 175 TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET
- ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

NOTE: [1]INTERMEDIATE MONITORING WELLS ARE SCREENED ENTIRELY WITHIN THE SATURATED ZONE AND ABOVE BEDROCK

[2]SAMPLES COLLECTED NOVEMBER 1994 THROUGH FEBRUARY 1995

[3]SUMMED COMPOUNDS ARE CIS–12DCE, TRANS–12DCE, 11DCE, 12DCA, AND VINYL CHLORIDE

N

0 75 150

FEET

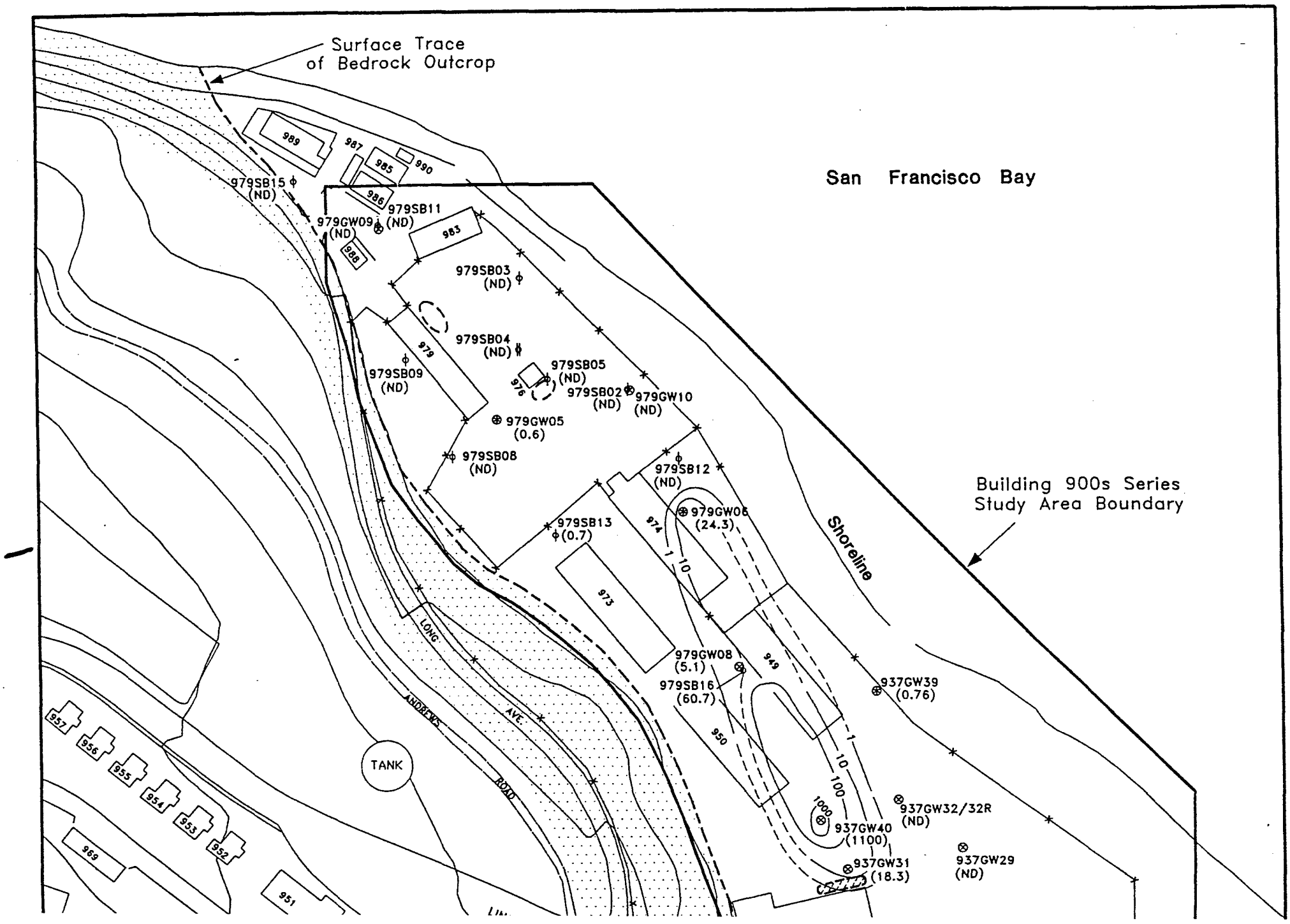
DAMES & MOORE

BUILDING 900s SERIES STUDY AREA, SUM OF CONCENTRATIONS OF CHLORINATED DEGRADATION PRODUCTS IN INTERMEDIATE GROUNDWATER

PSF25188\DV1

Date: January 1997 | Figure 6.5–71

3


Surface Trace
of Bedrock Outcrop
San Francisco Bay
Building 900s Series
Study Area Boundary
Shoreline
979SB15 (ND)
979GW09 (ND)
979SB11 (ND)
979SB03 (ND)
979SB04 (ND)
979SB09 (ND)
979SB05 (ND)
979SB02 (ND)
979GW10 (ND)
979GW05 (0.6)
979SB08 (ND)
979SB12 (ND)
979SB13 (0.7)
979GW06 (24.3)
979GW08 (5.1)
979SB16 (60.7)
937GW39 (0.76)
937GW32/32R (ND)
937GW40 (1100)
937GW31 (18.3)
937GW29 (ND)
989
987
985
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983
988
979
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974
973
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950
957
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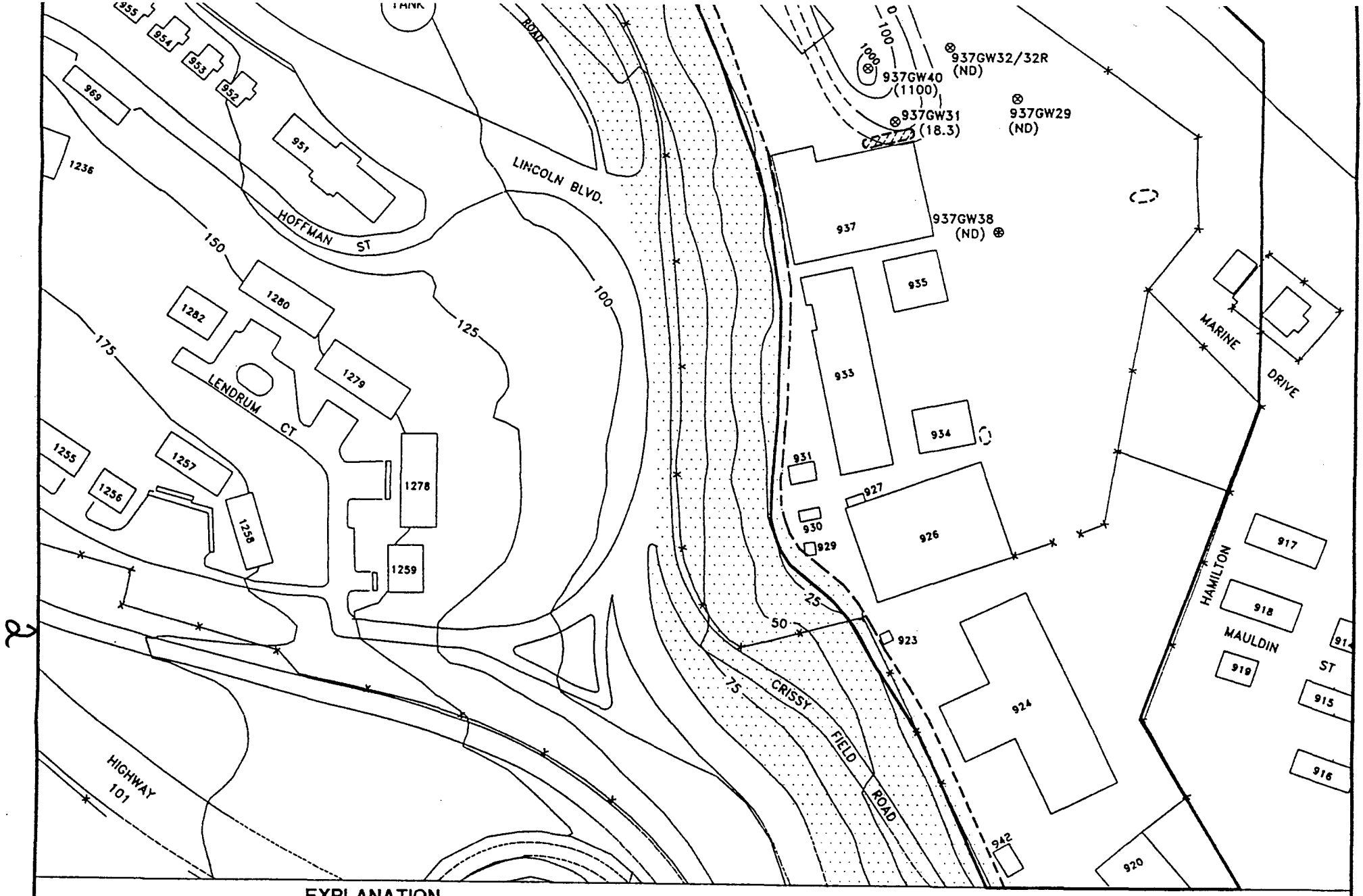
954
953
952
969
951
1
10
100
1000
LONG
ANDREWS
AVE.
ROAD
TANK

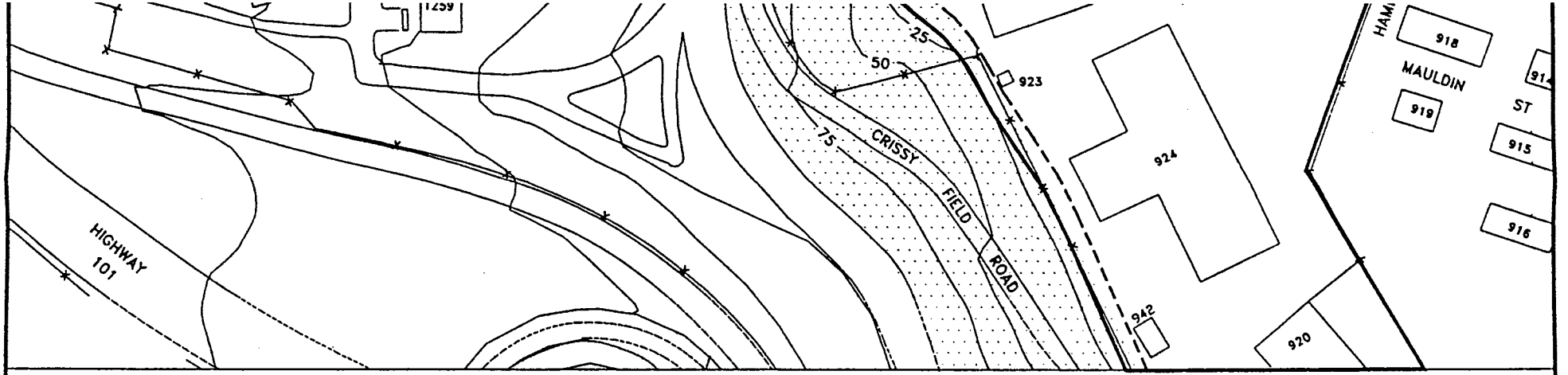


EXPLANATION

- ⊗ DEEP MONITORING WELL
- ⊛ DEEP MONITORING WELL WITH SOIL SAMPLES
- ϕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- ϕ DISCRETE GROUNDWATER SAMPLE
- (5.2) SUMMED CONCENTRATION (ug/L)
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- —175— TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET
- ELEVATIONS IN FEET—PRESIDIO LOWER LOW WATER

—N—

DAMES & MOORE



EXPLANATION

- ⊗ DEEP MONITORING WELL
- ⊛ DEEP MONITORING WELL WITH SOIL SAMPLES
- ϕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- ϕ DISCRETE GROUNDWATER SAMPLE
- (5.2) SUMMED CONCENTRATION (ug/L)
- (ND) NOT DETECTED
- 10 ISOCONCENTRATION CONTOURS (ug/L) (DASHED WHERE INFERRED)
- APPROXIMATE LOCATION OF USTs
- APPROXIMATE LOCATION OF USTs REMOVED DURING IRA
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- 175 TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET
- ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

NOTE: [1] DEEP MONITORING WELLS ARE SCREENED AT BOTTOM OF AQUIFER.
[2] SAMPLES COLLECTED NOVEMBER 1994 THROUGH APRIL 1995.
[3] SUMMED COMPOUNDS ARE CIS–12DCE, TRAMS–12DCE, 11DCE, 12DCA, & VINYL CHLORIDE.

N

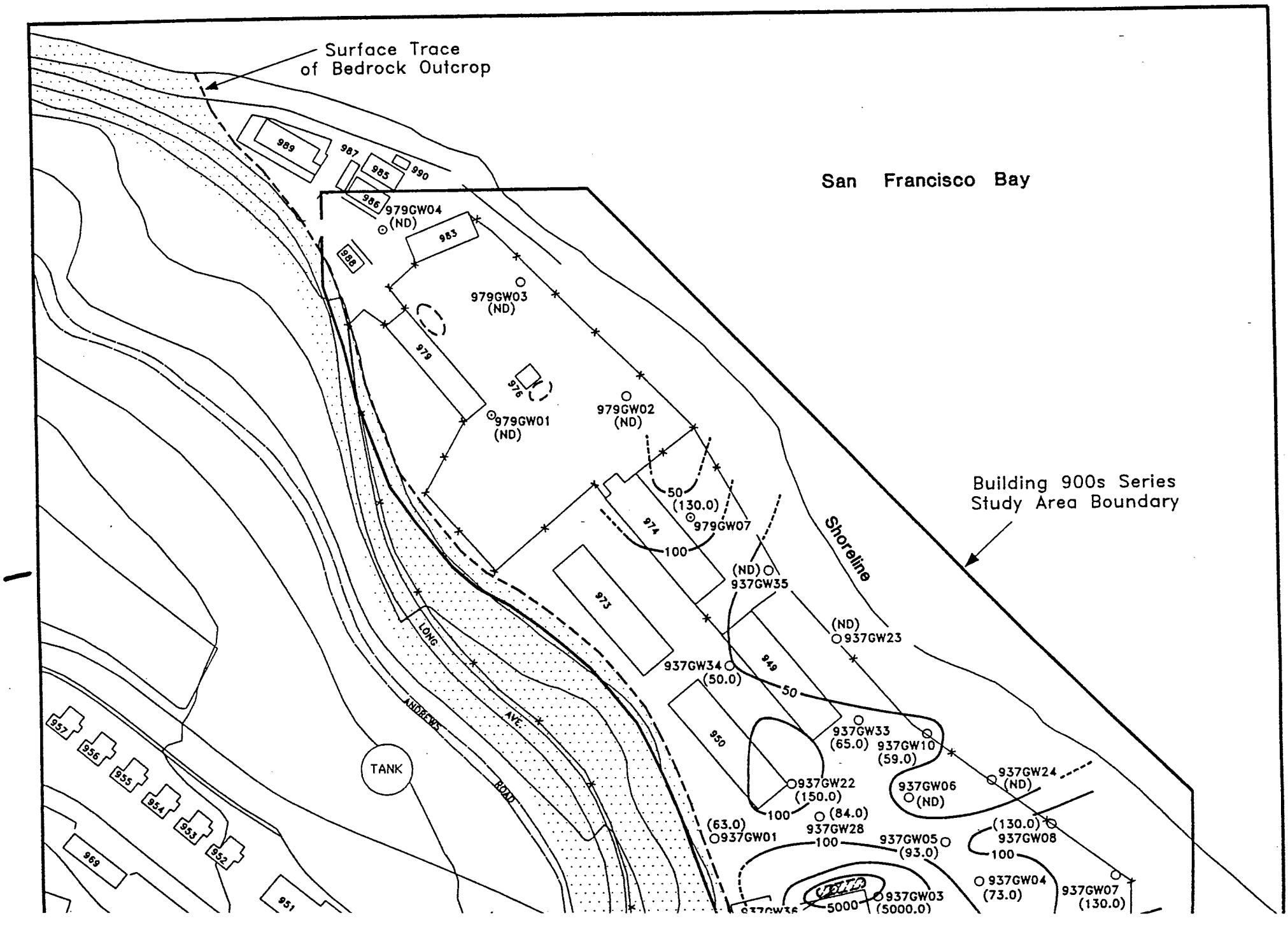
0 75 150
FEET

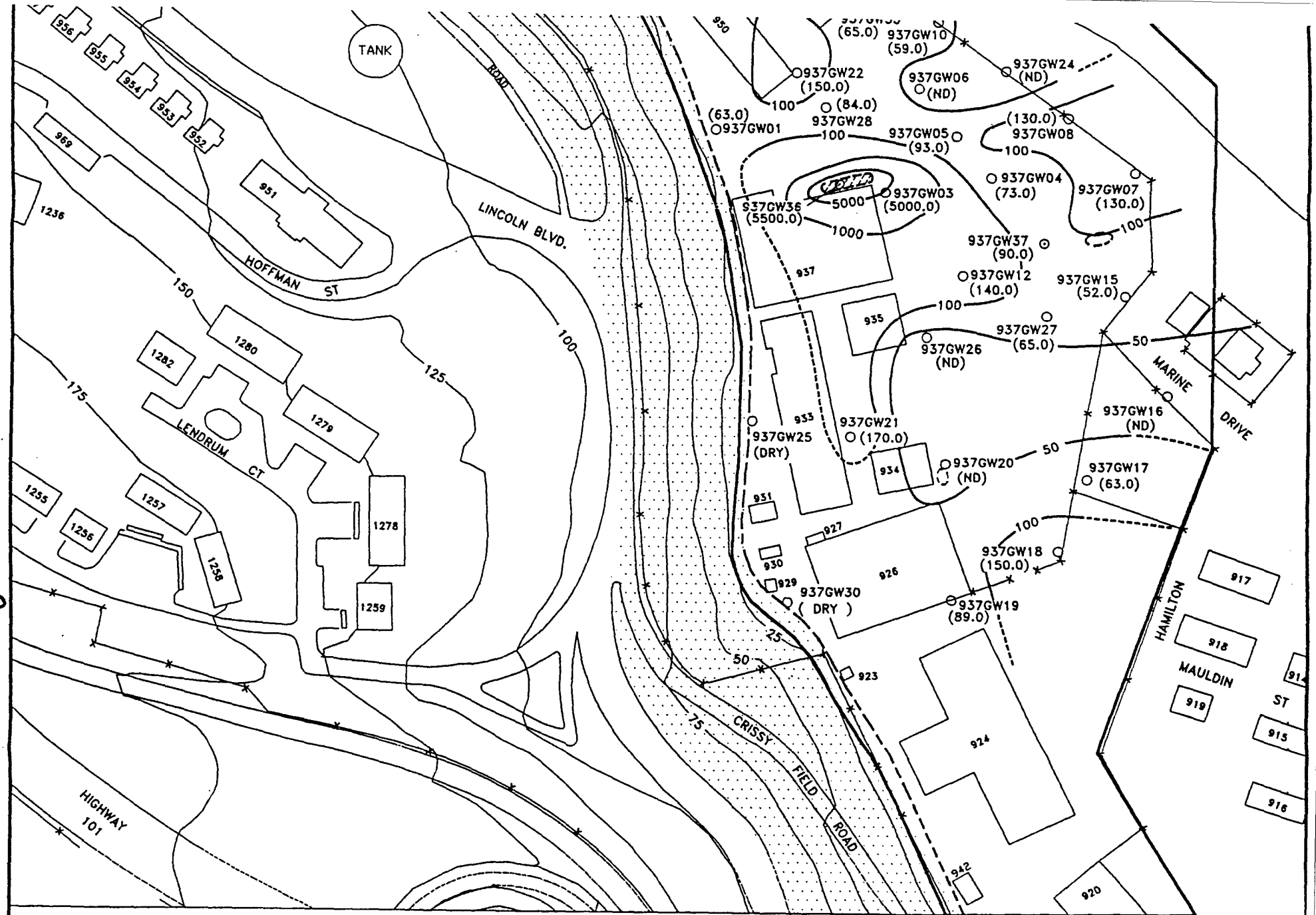
DAMES & MOORE

BUILDING 900s SERIES STUDY AREA, SUM OF CONCENTRATIONS OF CHLORINATED DEGRADATION PRODUCTS IN DEEP GROUNDWATER

PSF25154/DV1

Date: January 1997 | Figure 6.5–72

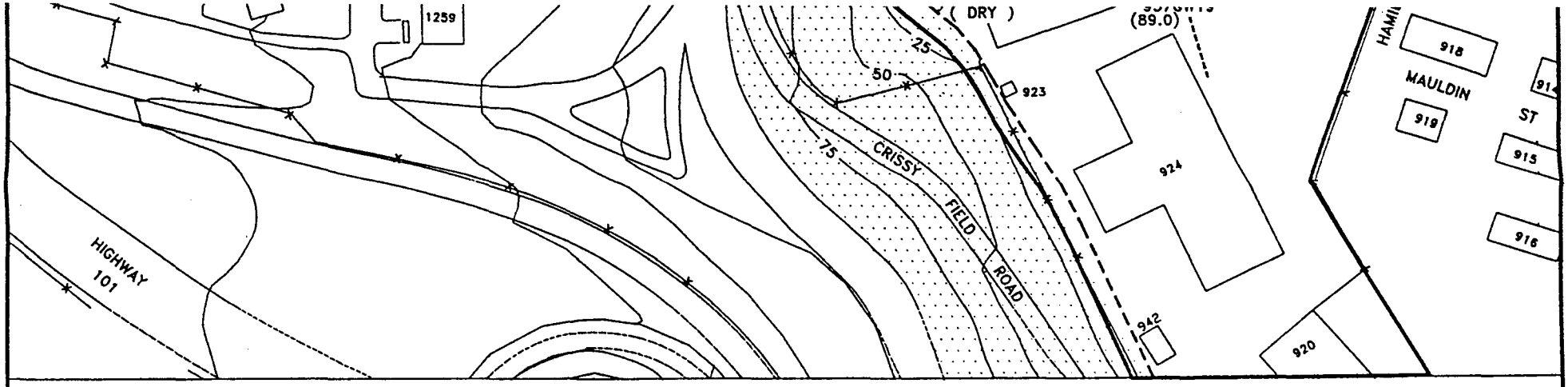

Surface Trace
of Bedrock Outcrop
San Francisco Bay
Building 900s Series
Study Area Boundary
Shoreline
989
987
985
990
986
983
988
979
976
973
974
949
950
957
956
955
954
953
952
969
951
LONG
ANDREWS
AVE.
ROAD
TANK
979GW04
(ND)
979GW03
(ND)
979GW01
(ND)
979GW02
(ND)
50
(130.0)
979GW07
100
(ND)
937GW35
(ND)
937GW23
937GW34
(50.0)
50
937GW33
(65.0)
937GW10
(59.0)
937GW24
(ND)
937GW22
(150.0)
100
(84.0)
937GW28
100
937GW06
(ND)
(63.0)
937GW01
937GW05
(93.0)
(130.0)
937GW08
100
937GW04
(73.0)
937GW07
(130.0)
5000
937GW03
(5000.0)



EXPLANATION

- ○ SHALLOW MONITORING WELL
- ⊙ SHALLOW MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- —175— TOPOGRAPHIC CONTOUR

DAMES & MOORE



EXPLANATION

- ○ SHALLOW MONITORING WELL
- ⊙ SHALLOW MONITORING WELL WITH SOIL SAMPLES
- (63.0) TPH-D CONCENTRATION (ug/L)
- (ND) NOT DETECTED
- 50 ISOCONCENTRATION CONTOUR (ug/L) (DASHED WHERE INFERED)
- APPROXIMATE LOCATION OF USTs
- APPROXIMATE LOCATION OF USTs REMOVED DURING IRA
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- 175 TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET
- ELEVATIONS IN FEET-PRESIDIO LOWER LOW WATER

NOTE: [1]SHALLOW MONITORING WELLS ARE SCREENED ACROSS THE WATER TABLE.

[2]SAMPLES COLLECTED IN NOVEMBER 1994 THROUGH FEBRUARY 1995.

-N-

0 75 150

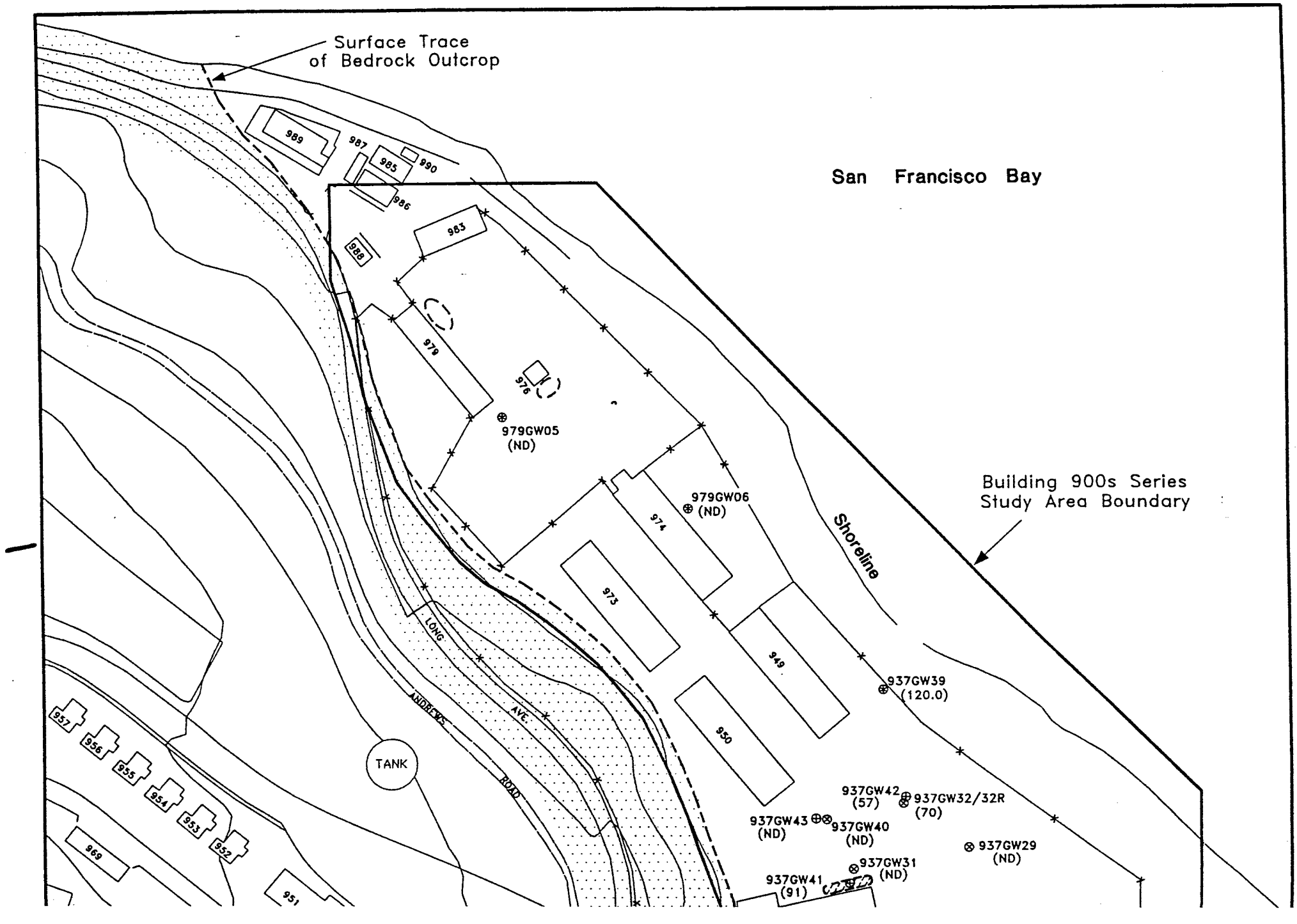
FEET

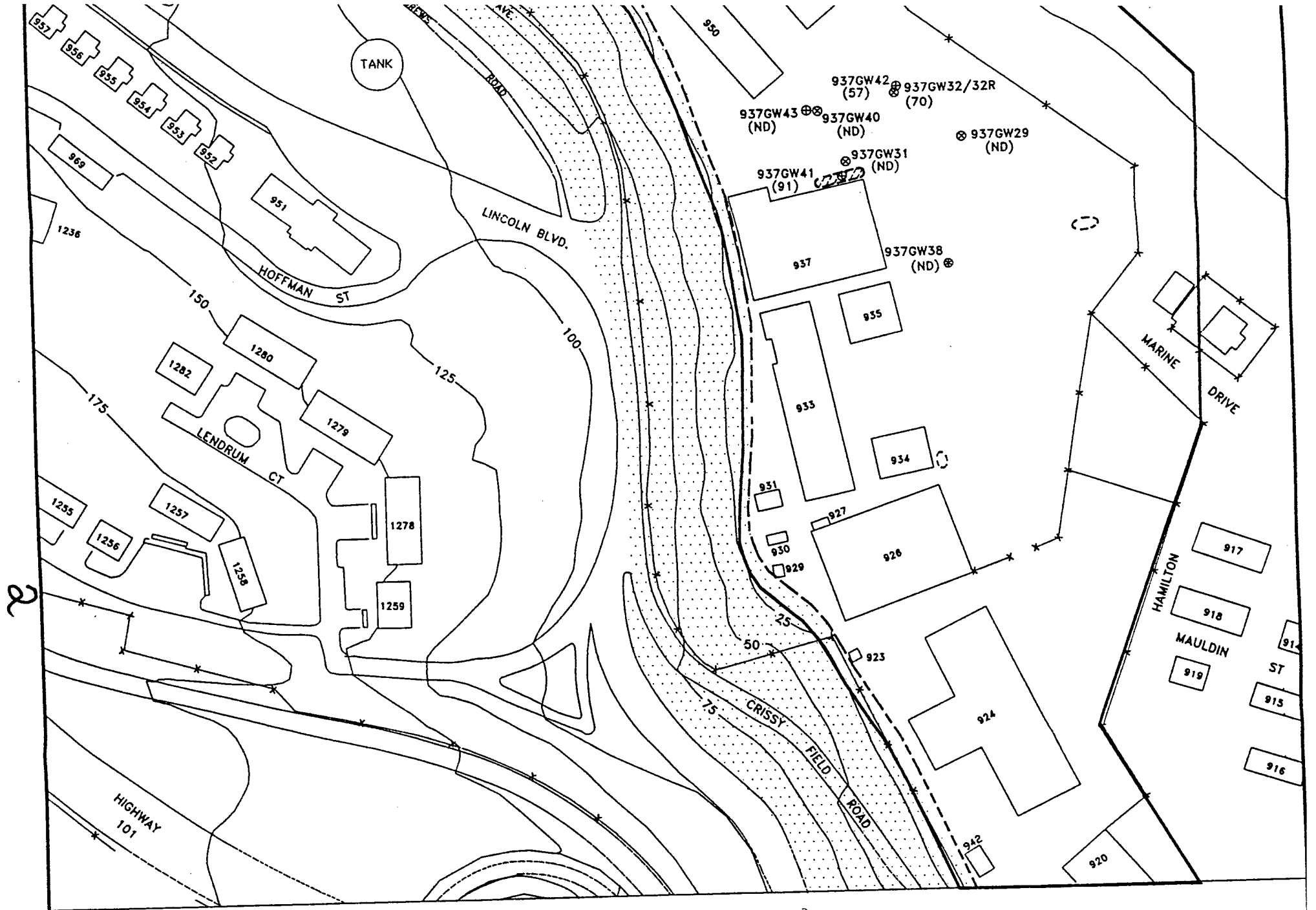
DAMES & MOORE

BUILDING 900s SERIES STUDY AREA, CONCENTRATIONS OF TPH-D IN SHALLOW GROUNDWATER

PSF25148/DV1

Date: January 1997 | Figure 6.5-73


Surface Trace
of Bedrock Outcrop
San Francisco Bay
Building 900s Series
Study Area Boundary
Shoreline
989
987
985
990
986
988
983
979
976
979GW05
(ND)
979GW06
(ND)
974
973
949
950
937GW39
(120.0)
937GW42
(57)
937GW32/32R
(70)
937GW43
(ND)
937GW40
(ND)
937GW29
(ND)
937GW31
(ND)
937GW41
(91)
TANK
LONG
AVE.
ANDREWS
ROAD
957
956
955
954
953
952
969
951



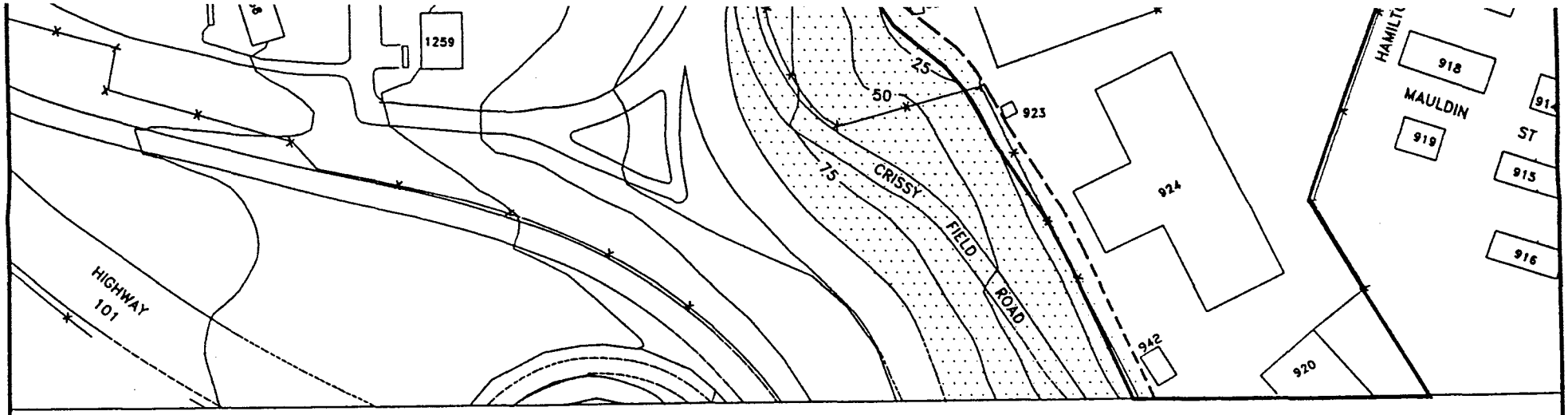
EXPLANATION

⊕ INTERMEDIATE MONITORING WELL

⊗ DEEP MONITORING WELL

APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP

DAMES & MOORE



EXPLANATION

- ⊕ INTERMEDIATE MONITORING WELL
- ⊗ DEEP MONITORING WELL
- ⊛ DEEP MONITORING WELL WITH SOIL SAMPLES
- (120) TPH-D CONCENTRATION (ug/L)
- (ND) NOT DETECTED
- APPROXIMATE LOCATION OF USTs
- APPROXIMATE LOCATION OF USTs REMOVED DURING IRA
- APPROXIMATE AREAL EXTENT OF BEDROCK OUTCROP
- —175— TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET
- ELEVATIONS IN FEET–PRESIDIO LOWER LOW WATER

NOTE:
1 DEEP MONITORING WELLS ARE SCREENED AT BOTTOM OF AQUIFER.
2 SAMPLES COLLECTED IN NOVEMBER 1994 THROUGH FEBRUARY 1995.

–N–

0 75 150
FEET

DAMES & MOORE

BUILDING 900s SERIES STUDY AREA, CONCENTRATIONS OF TPH-D IN INTERMEDIATE AND DEEP GROUNDWATER

PSF25147/DV1

Date: January 1997 | Figure 6.5-74

3

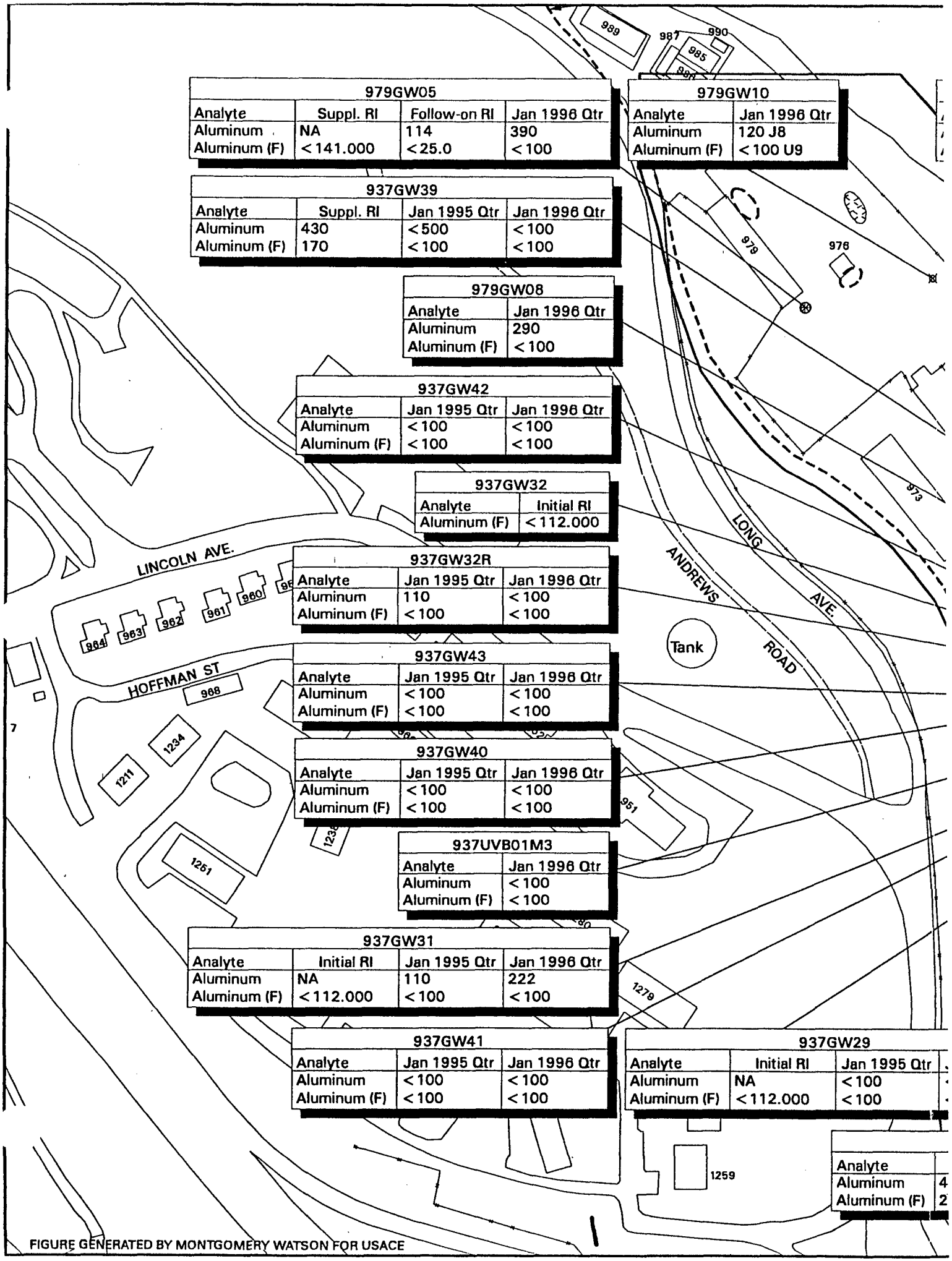


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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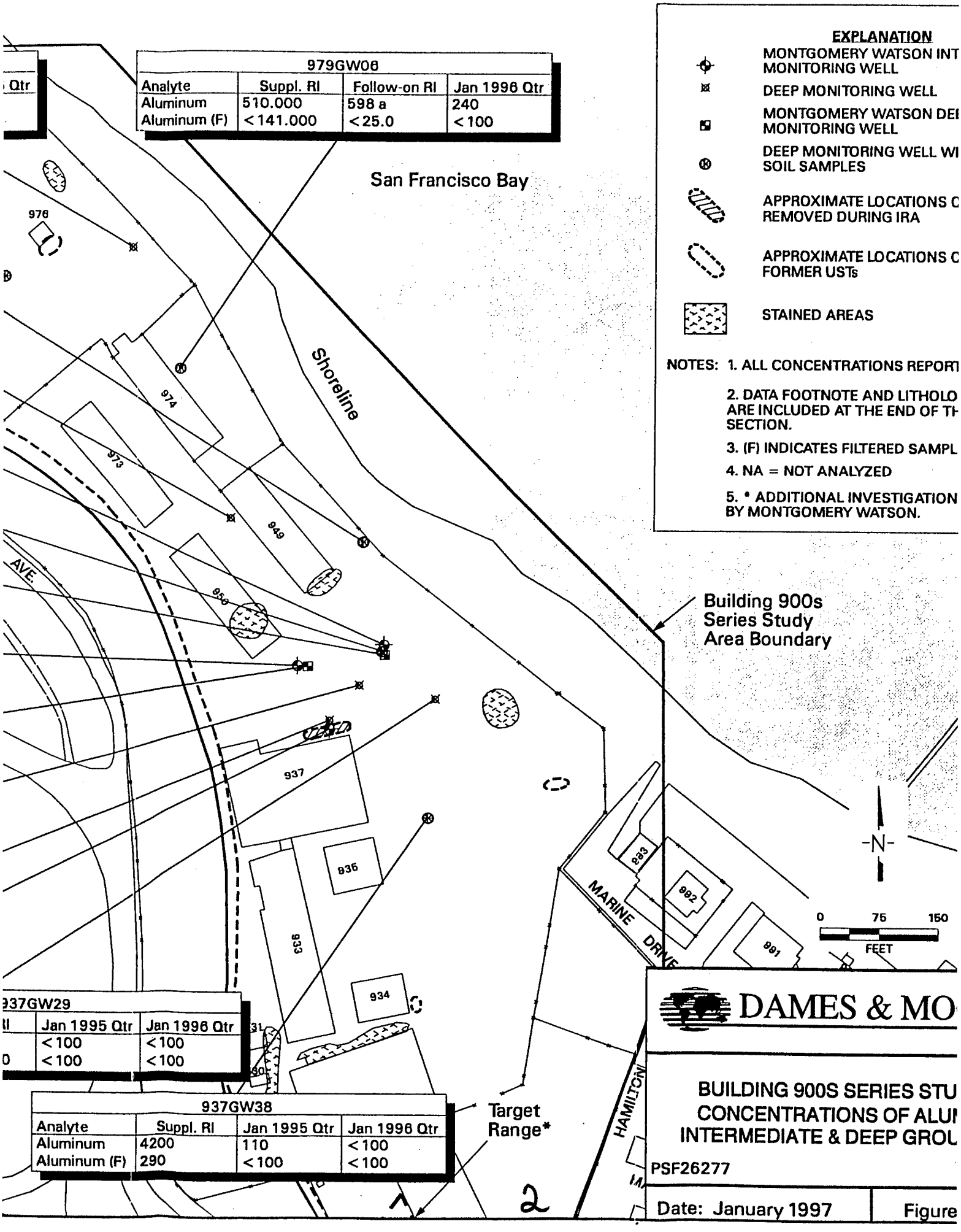
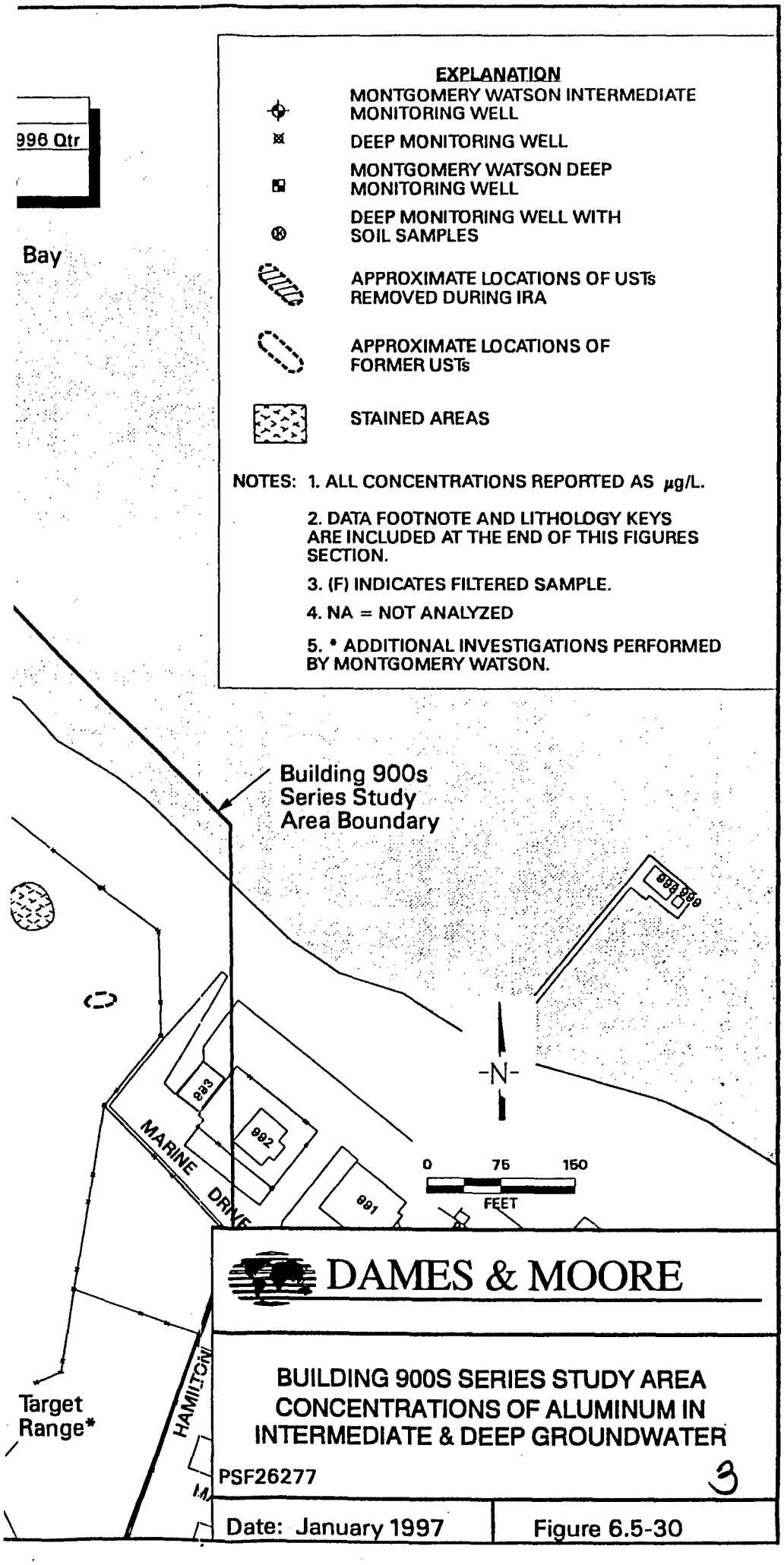
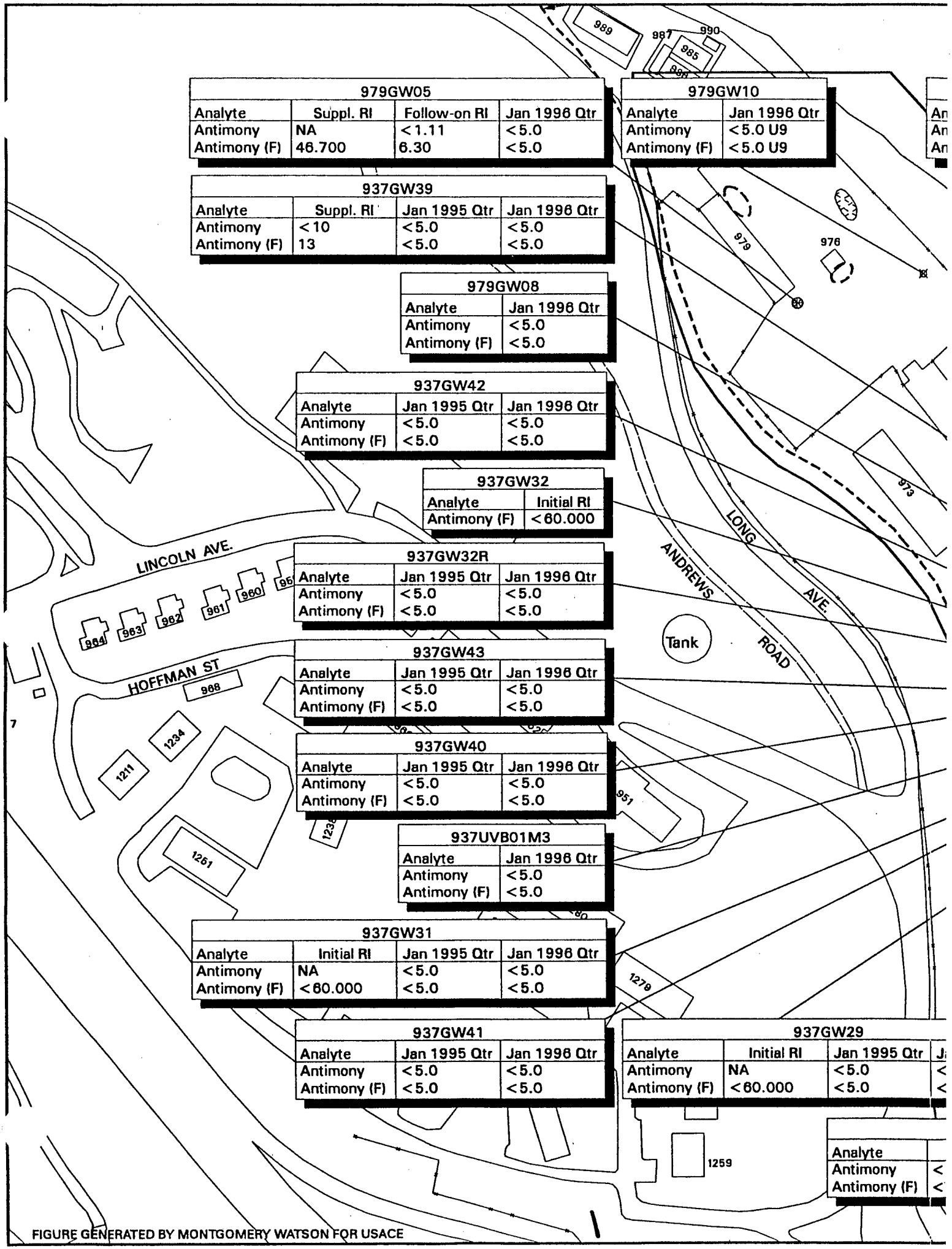

979GW06
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Aluminum | 510.000 | 598 a | 240
Aluminum (F) | < 141.000 | < 25.0 | < 100
San Francisco Bay
Shoreline
976
974
973
949
950
AVE.
937
936
933
934
983
992
991
MARINE DRIVE
HAMILTON
Building 900s Series Study Area Boundary
Target Range*
937GW29
Jan 1995 Qtr | Jan 1996 Qtr
< 100 | < 100
< 100 | < 100
937GW38
Analyte | Suppl. RI | Jan 1995 Qtr | Jan 1996 Qtr
Aluminum | 4200 | 110 | < 100
Aluminum (F) | 290 | < 100 | < 100
EXPLANATION
MONTGOMERY WATSON INT MONITORING WELL
DEEP MONITORING WELL
MONTGOMERY WATSON DEI MONITORING WELL
DEEP MONITORING WELL WI SOIL SAMPLES
APPROXIMATE LOCATIONS C REMOVED DURING IRA
APPROXIMATE LOCATIONS C FORMER USTs
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPORT
2. DATA FOOTNOTE AND LITHOLO ARE INCLUDED AT THE END OF TH SECTION.
3. (F) INDICATES FILTERED SAMPL
4. NA = NOT ANALYZED
5. * ADDITIONAL INVESTIGATION BY MONTGOMERY WATSON.
-N-
0 75 150
FEET
DAMES & MO
BUILDING 900S SERIES STU
CONCENTRATIONS OF ALU
INTERMEDIATE & DEEP GROU
PSF26277
Date: January 1997
Figure


996 Qtr
Bay
EXPLANATION
MONTGOMERY WATSON INTERMEDIATE MONITORING WELL
DEEP MONITORING WELL
MONTGOMERY WATSON DEEP MONITORING WELL
DEEP MONITORING WELL WITH SOIL SAMPLES
APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
APPROXIMATE LOCATIONS OF FORMER USTs
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/L.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED
5. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.
Building 900s Series Study Area Boundary
898 899
-N-
893
892
891
MARINE DRIVE
0 75 150
FEET
Target Range*
HAMILTON
DAMES & MOORE
BUILDING 900S SERIES STUDY AREA
CONCENTRATIONS OF ALUMINUM IN
INTERMEDIATE & DEEP GROUNDWATER
PSF26277
3
Date: January 1997
Figure 6.5-30



979GW05			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Antimony	NA	<1.11	<5.0
Antimony (F)	46.700	6.30	<5.0

979GW10	
Analyte	Jan 1996 Qtr
Antimony	<5.0 U9
Antimony (F)	<5.0 U9

937GW39			
Analyte	Suppl. RI	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	<10	<5.0	<5.0
Antimony (F)	13	<5.0	<5.0

979GW08	
Analyte	Jan 1996 Qtr
Antimony	<5.0
Antimony (F)	<5.0

937GW42		
Analyte	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	<5.0	<5.0
Antimony (F)	<5.0	<5.0

937GW32	
Analyte	Initial RI
Antimony (F)	<60.000

937GW32R		
Analyte	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	<5.0	<5.0
Antimony (F)	<5.0	<5.0

937GW43		
Analyte	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	<5.0	<5.0
Antimony (F)	<5.0	<5.0

937GW40		
Analyte	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	<5.0	<5.0
Antimony (F)	<5.0	<5.0

937UVB01M3	
Analyte	Jan 1996 Qtr
Antimony	<5.0
Antimony (F)	<5.0

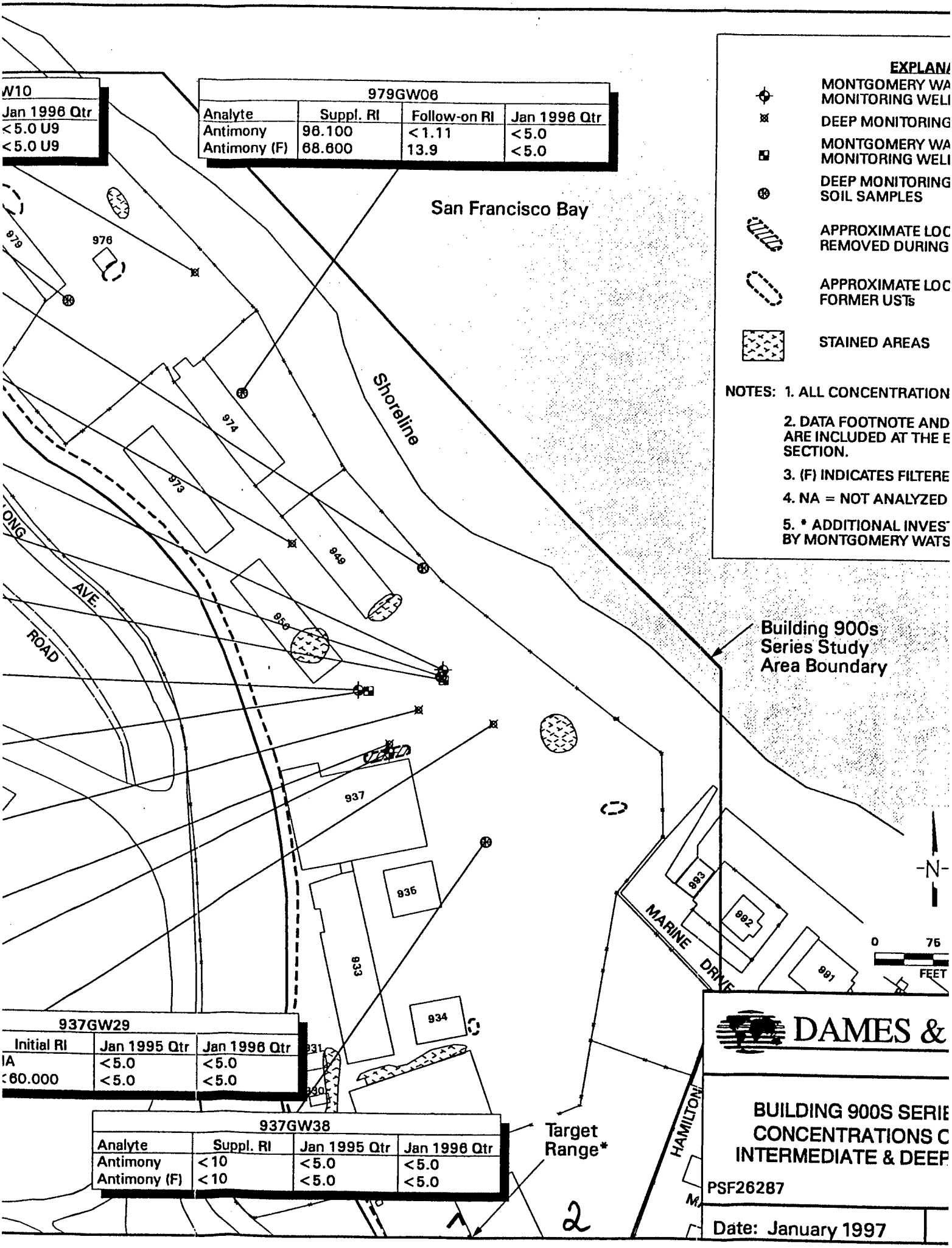
937GW31			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	NA	<5.0	<5.0
Antimony (F)	<60.000	<5.0	<5.0

937GW41		
Analyte	Jan 1995 Qtr	Jan 1996 Qtr
Antimony	<5.0	<5.0
Antimony (F)	<5.0	<5.0

937GW29			J
Analyte	Initial RI	Jan 1995 Qtr	
Antimony	NA	<5.0	<
Antimony (F)	<60.000	<5.0	<

Analyte	
Antimony	<
Antimony (F)	<

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


W10
Jan 1996 Qtr
<5.0 U9
<5.0 U9
979GW06
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Antimony | 96.100 | <1.11 | <5.0
Antimony (F) | 68.600 | 13.9 | <5.0
San Francisco Bay
Shoreline
976
979
974
973
949
950
937
936
933
934
931
930
983
982
891
AVE.
ROAD
MARINE DRIVE
HAMILTON
EXPLANA
MONTGOMERY WA MONITORING WELI
DEEP MONITORING
MONTGOMERY WA MONITORING WELI
DEEP MONITORING SOIL SAMPLES
APPROXIMATE LOC REMOVED DURING
APPROXIMATE LOC FORMER USTs
STAINED AREAS
NOTES: 1. ALL CONCENTRATION
2. DATA FOOTNOTE AND ARE INCLUDED AT THE E SECTION.
3. (F) INDICATES FILTERE
4. NA = NOT ANALYZED
5. * ADDITIONAL INVES BY MONTGOMERY WATS
Building 900s Series Study Area Boundary
-N-
0 75
FEET
937GW29
Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
IA | <5.0 | <5.0
60.000 | <5.0 | <5.0
937GW38
Analyte | Suppl. RI | Jan 1995 Qtr | Jan 1996 Qtr
Antimony | <10 | <5.0 | <5.0
Antimony (F) | <10 | <5.0 | <5.0
Target Range*
DAMES &
BUILDING 900S SERIE
CONCENTRATIONS C
INTERMEDIATE & DEEP
PSF26287
Date: January 1997

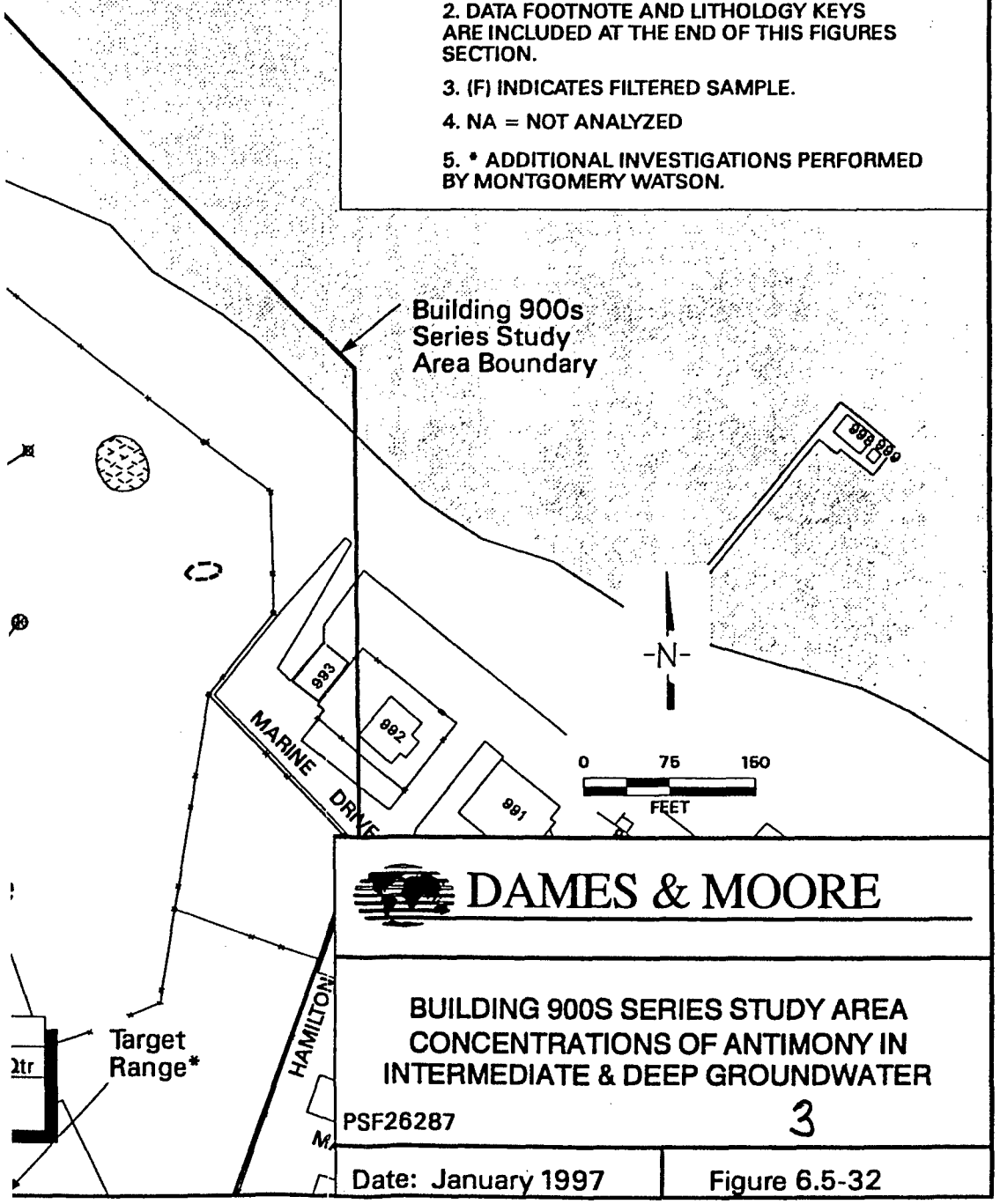
RI	Jan 1996 Qtr
	<5.0
	<5.0

rancisco Bay

EXPLANATION

- MONTGOMERY WATSON INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- MONTGOMERY WATSON DEEP MONITORING WELL
- DEEP MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STAINED AREAS

NOTES:
1. ALL CONCENTRATIONS REPORTED AS µg/L.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED
5. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.



DAMES & MOORE

BUILDING 900S SERIES STUDY AREA
CONCENTRATIONS OF ANTIMONY IN
INTERMEDIATE & DEEP GROUNDWATER

PSF26287 3

Date: January 1997 | Figure 6.5-32

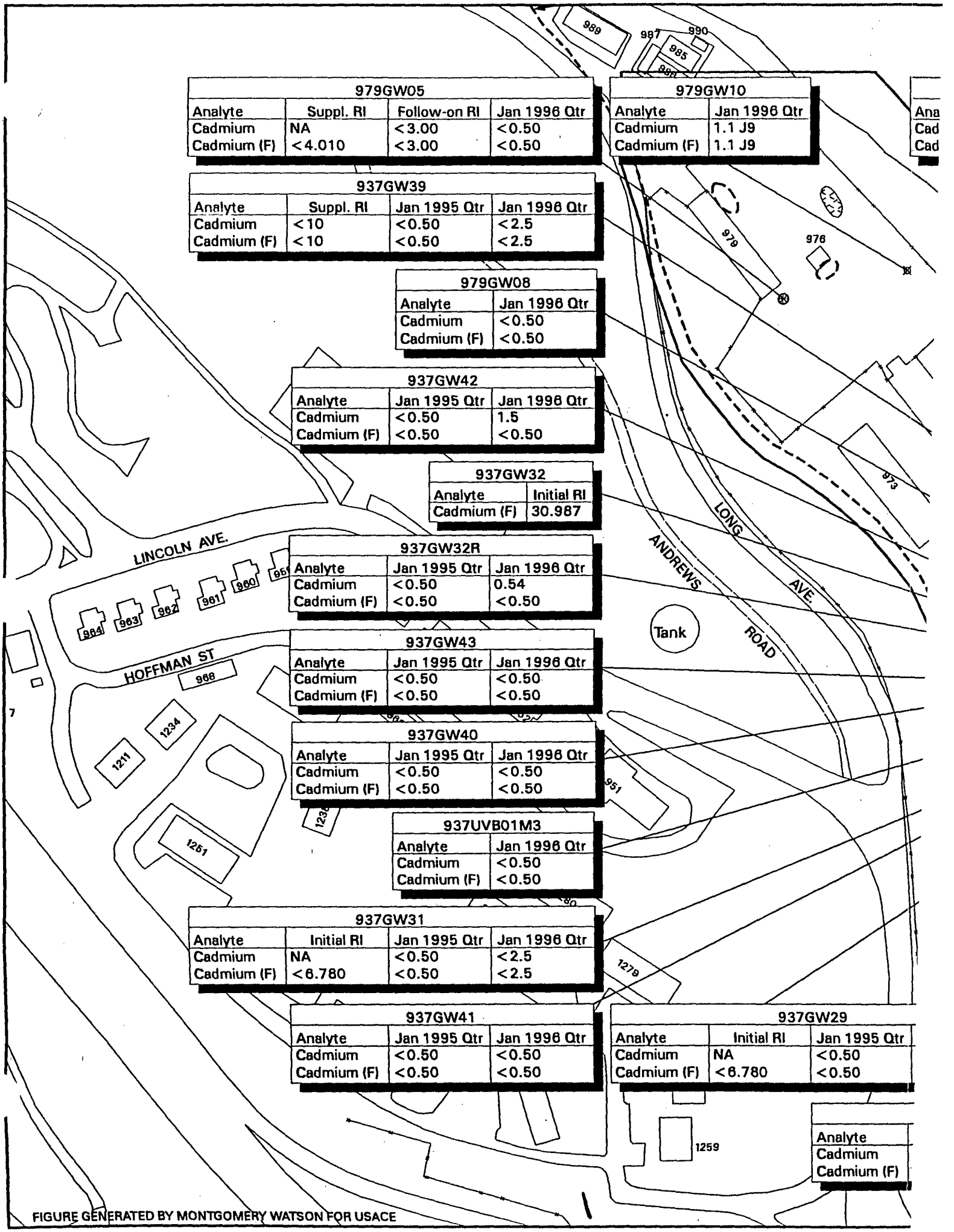


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

3.arnl_plotfile base_B900ID_W_6.grn PSF

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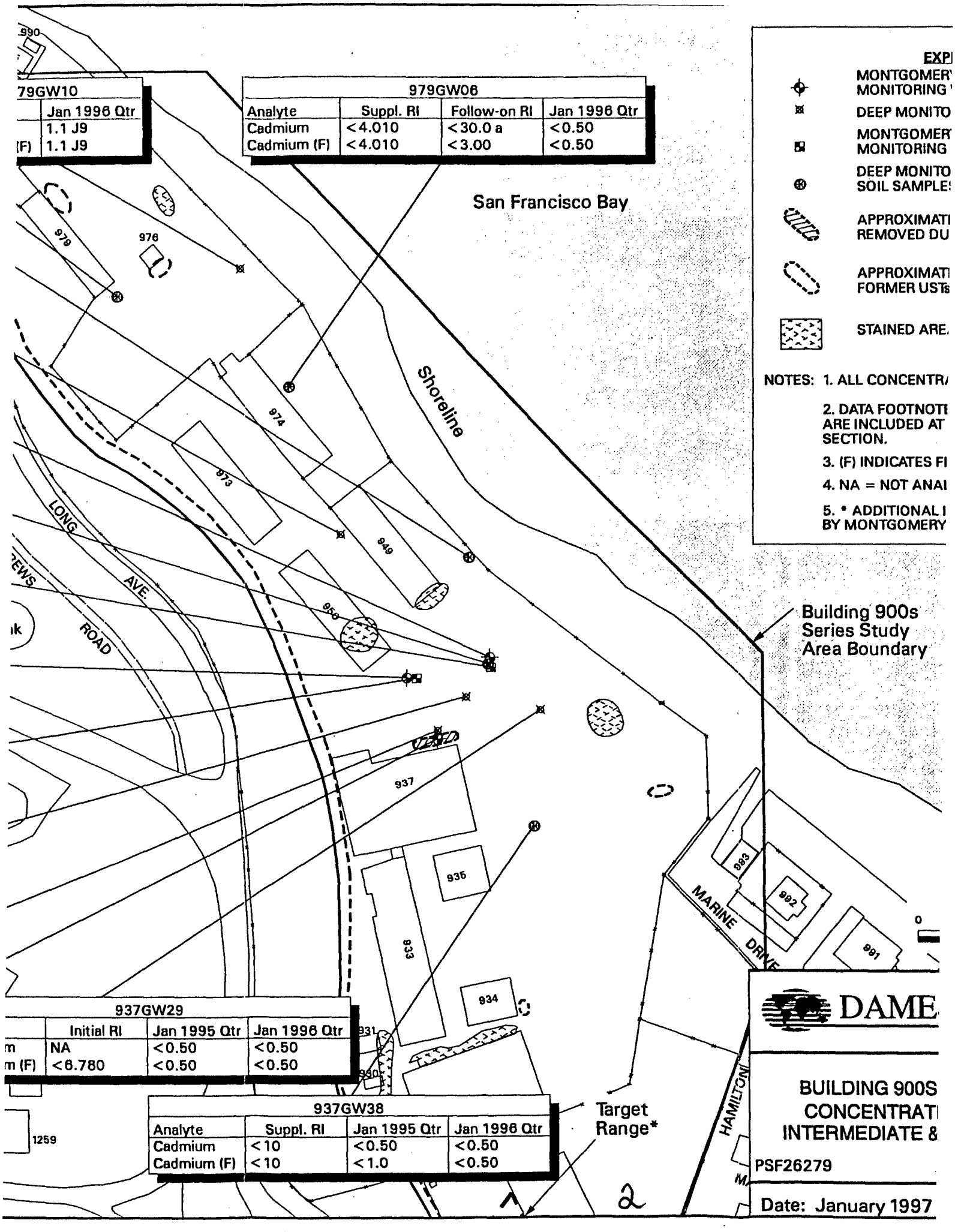
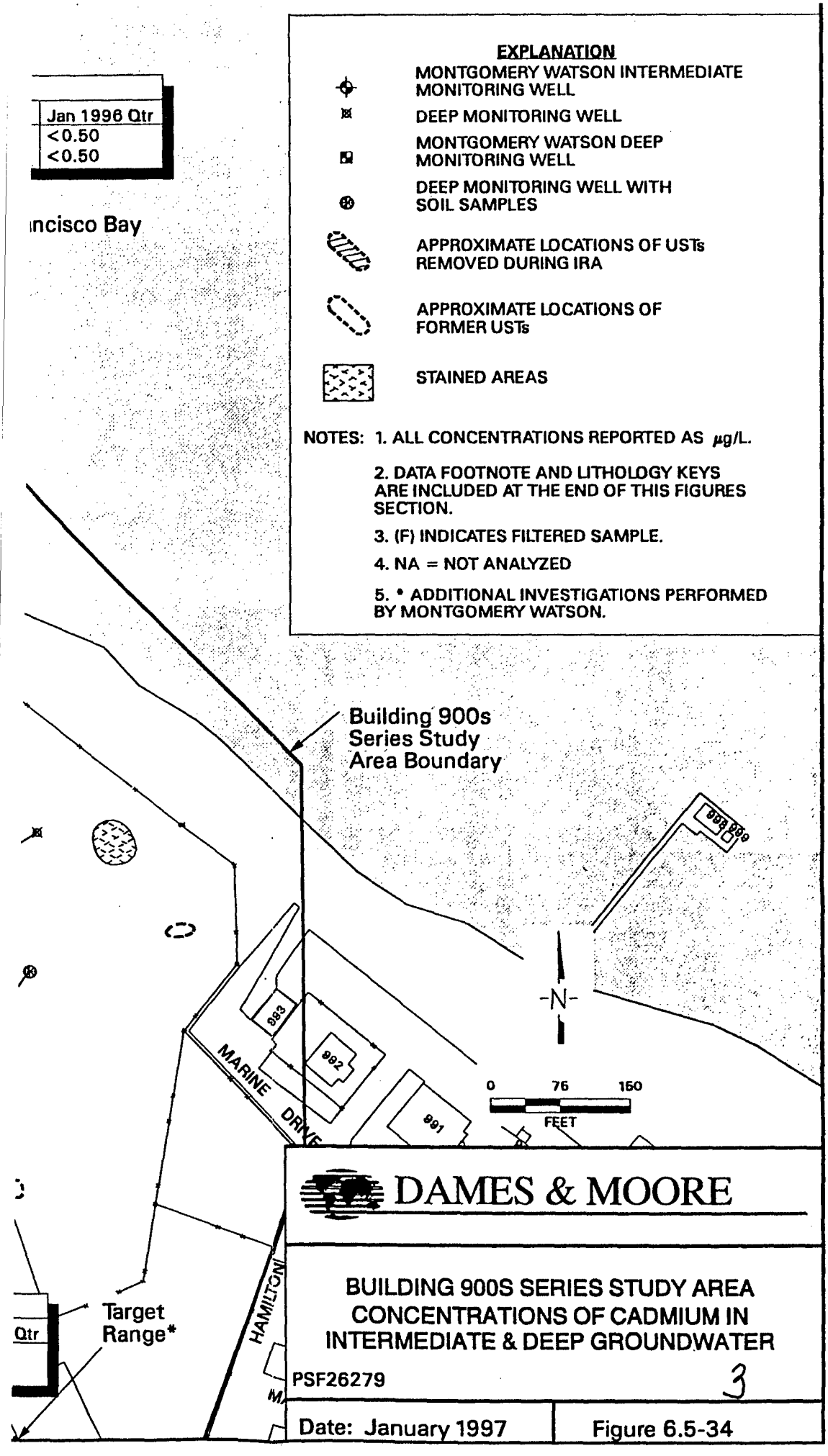

79GW10
Jan 1996 Qtr
1.1 J9
(F) 1.1 J9
979GW06
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Cadmium | <4.010 | <30.0 a | <0.50
Cadmium (F) | <4.010 | <3.00 | <0.50
San Francisco Bay
Shoreline
979
976
974
973
949
950
937
936
933
934
931
930
983
982
981
LONG AVE.
ROAD
MARINE DRIVE
HAMILTON
937GW29
Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
NA | <0.50 | <0.50
<6.780 | <0.50 | <0.50
937GW38
Analyte | Suppl. RI | Jan 1995 Qtr | Jan 1996 Qtr
Cadmium | <10 | <0.50 | <0.50
Cadmium (F) | <10 | <1.0 | <0.50
Target Range*
Building 900s Series Study Area Boundary
EXPL
MONTGOMER MONITORING
DEEP MONITO
MONTGOMER MONITORING
DEEP MONITO SOIL SAMPLE
APPROXIMATI REMOVED DU
APPROXIMATI FORMER USTs
STAINED ARE
NOTES: 1. ALL CONCENTR
2. DATA FOOTNOTE ARE INCLUDED AT SECTION.
3. (F) INDICATES FI
4. NA = NOT ANAI
5. * ADDITIONAL I BY MONTGOMERY
DAME
BUILDING 900S CONCENTRATI INTERMEDIATE &
PSF26279
Date: January 1997



DAMES & MOORE

BUILDING 900S SERIES STUDY AREA
CONCENTRATIONS OF CADMIUM IN
INTERMEDIATE & DEEP GROUNDWATER

PSF26279

3

Date: January 1997

Figure 6.5-34

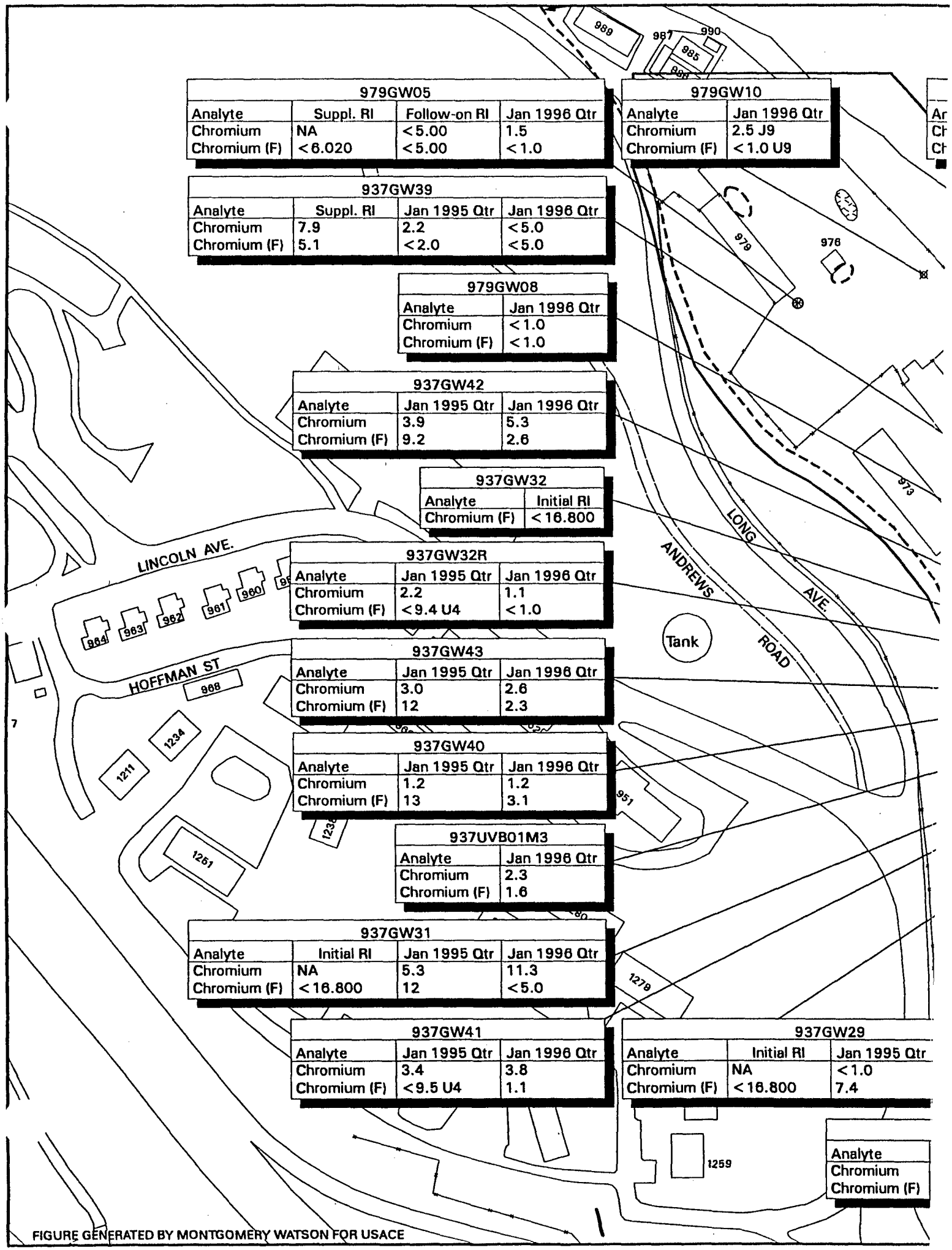
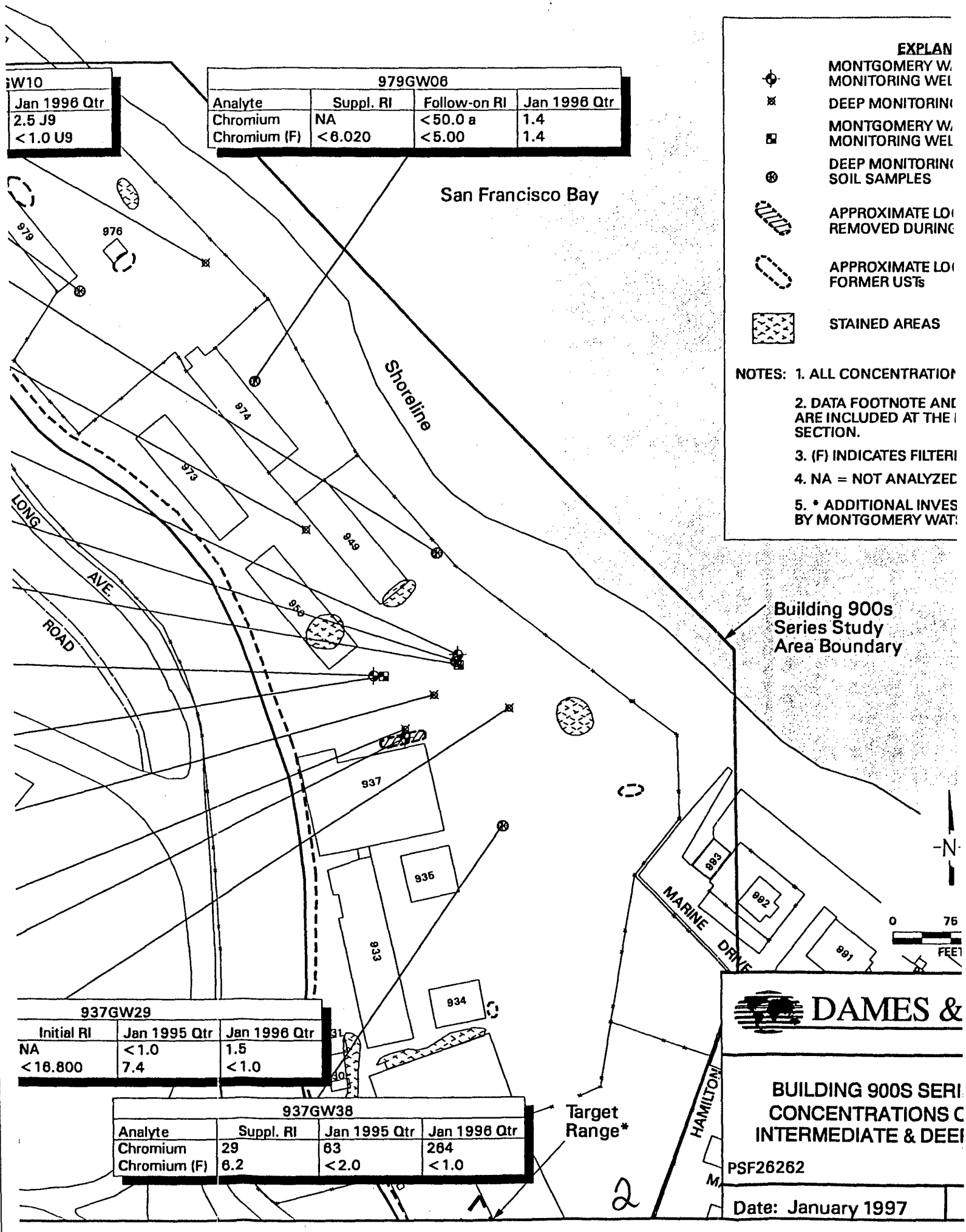
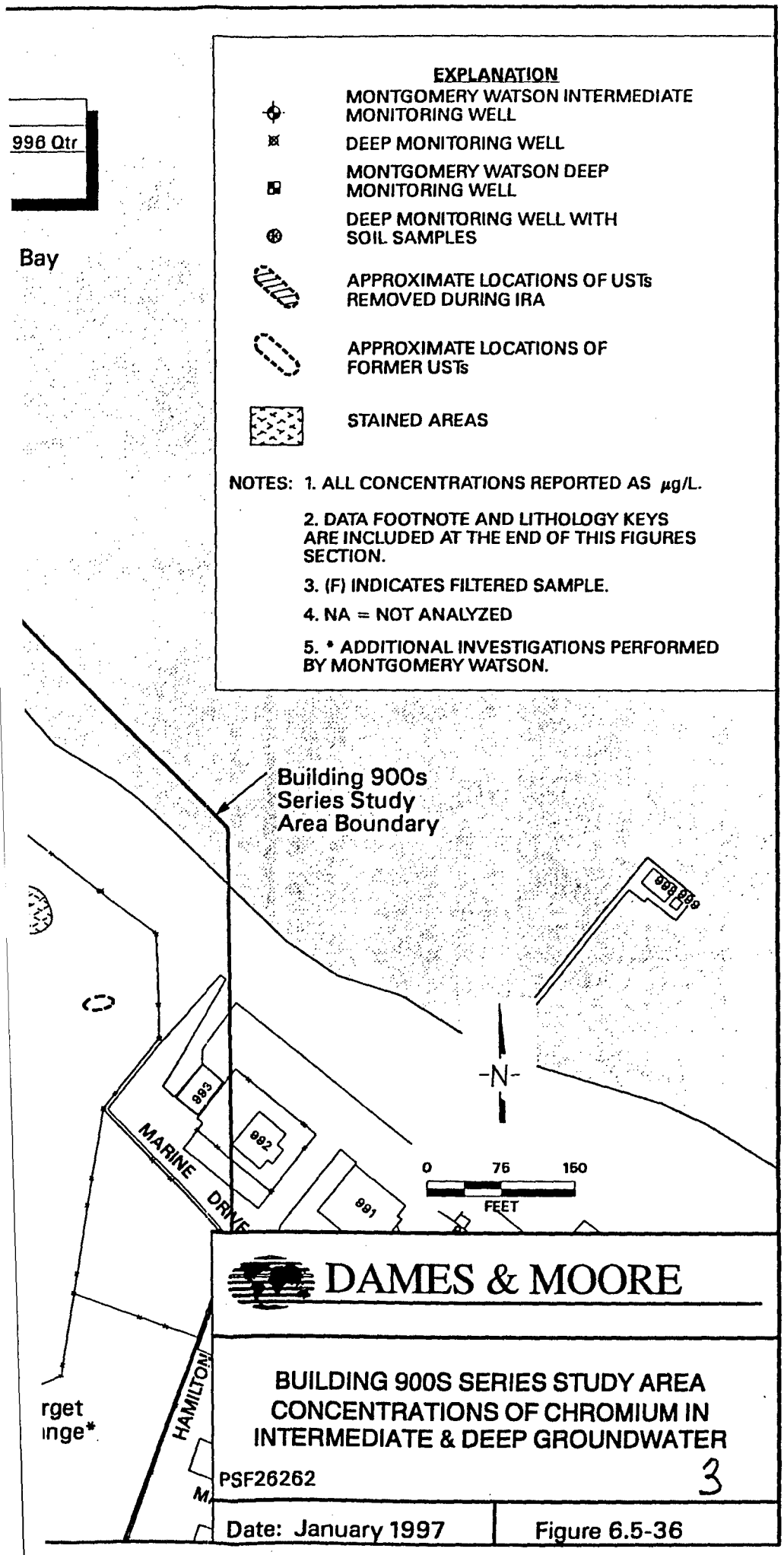


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

26 Dec 96 10:05:38 Thursday, ..._11x17_v3.ami, pltdflt base_B900D_W_7.pm, PSF


GW10
Jan 1996 Qtr
2.5 J9
<1.0 U9
979GW06
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Chromium | NA | <50.0 a | 1.4
Chromium (F) | <6.020 | <5.00 | 1.4
San Francisco Bay
Shoreline
EXPLAN
MONTGOMERY W/ MONITORING WEL
DEEP MONITORIN(
MONTGOMERY W/ MONITORING WEL
DEEP MONITORIN(SOIL SAMPLES
APPROXIMATE LO(REMOVED DURINC
APPROXIMATE LO(FORMER USTs
STAINED AREAS
NOTES: 1. ALL CONCENTRATIOI
2. DATA FOOTNOTE ANI ARE INCLUDED AT THE I SECTION.
3. (F) INDICATES FILTERI
4. NA = NOT ANALYZEI
5. * ADDITIONAL INVES BY MONTGOMERY WAT
Building 900s Series Study Area Boundary
LONG AVE.
ROAD
MARINE DRIVE
HAMILTON
976
979
974
973
949
950
937
935
933
934
883
892
891
937GW29
Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
NA | <1.0 | 1.5
<16.800 | 7.4 | <1.0
937GW38
Analyte | Suppl. RI | Jan 1995 Qtr | Jan 1996 Qtr
Chromium | 29 | 63 | 264
Chromium (F) | 6.2 | <2.0 | <1.0
Target Range*
N
0
76
FEET
DAMES &
BUILDING 900S SERI
CONCENTRATIONS C
INTERMEDIATE & DEEI
PSF26262
Date: January 1997
2



DAMES & MOORE

BUILDING 900S SERIES STUDY AREA
CONCENTRATIONS OF CHROMIUM IN
INTERMEDIATE & DEEP GROUNDWATER

PSF26262 3

Date: January 1997 | Figure 6.5-36

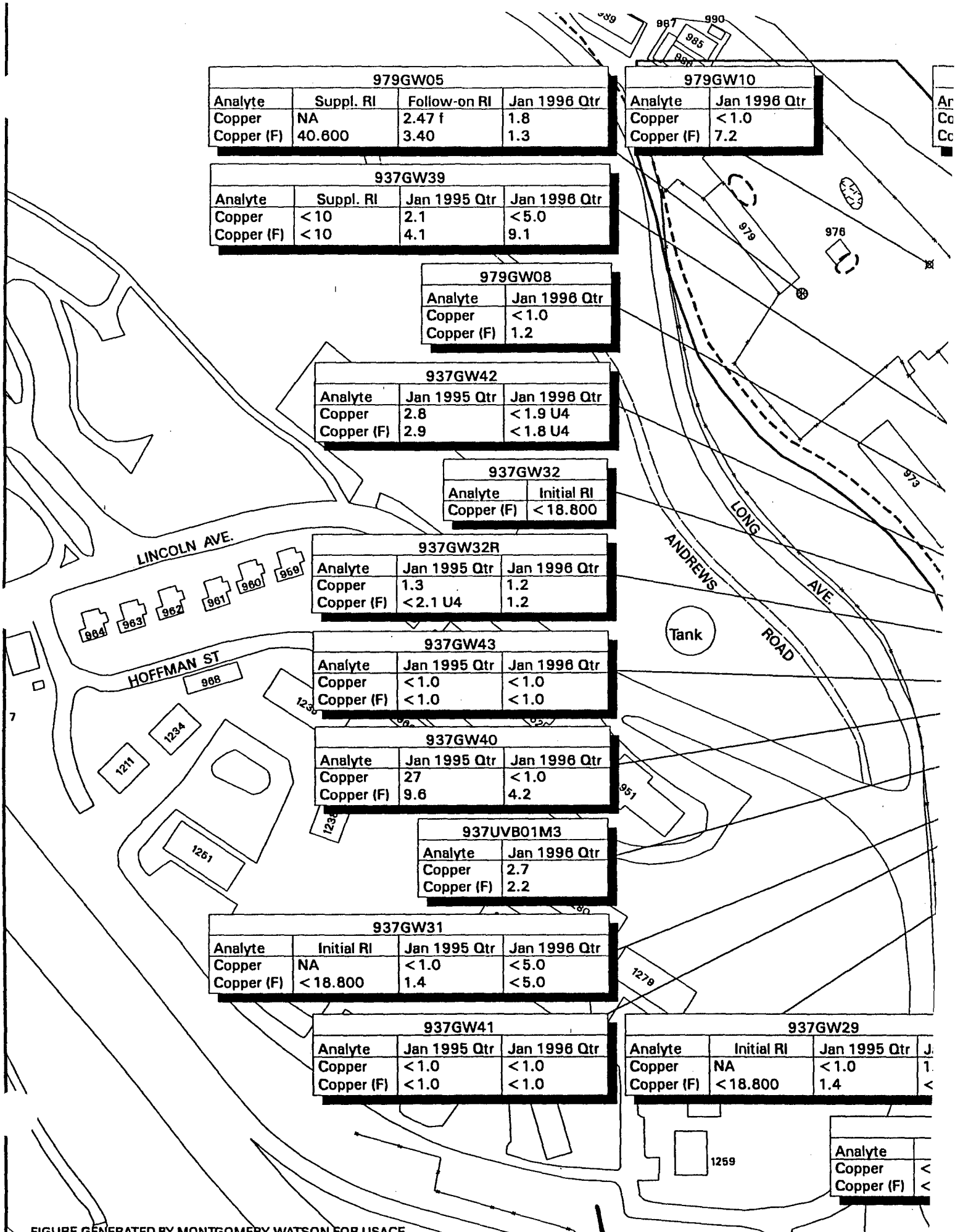


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

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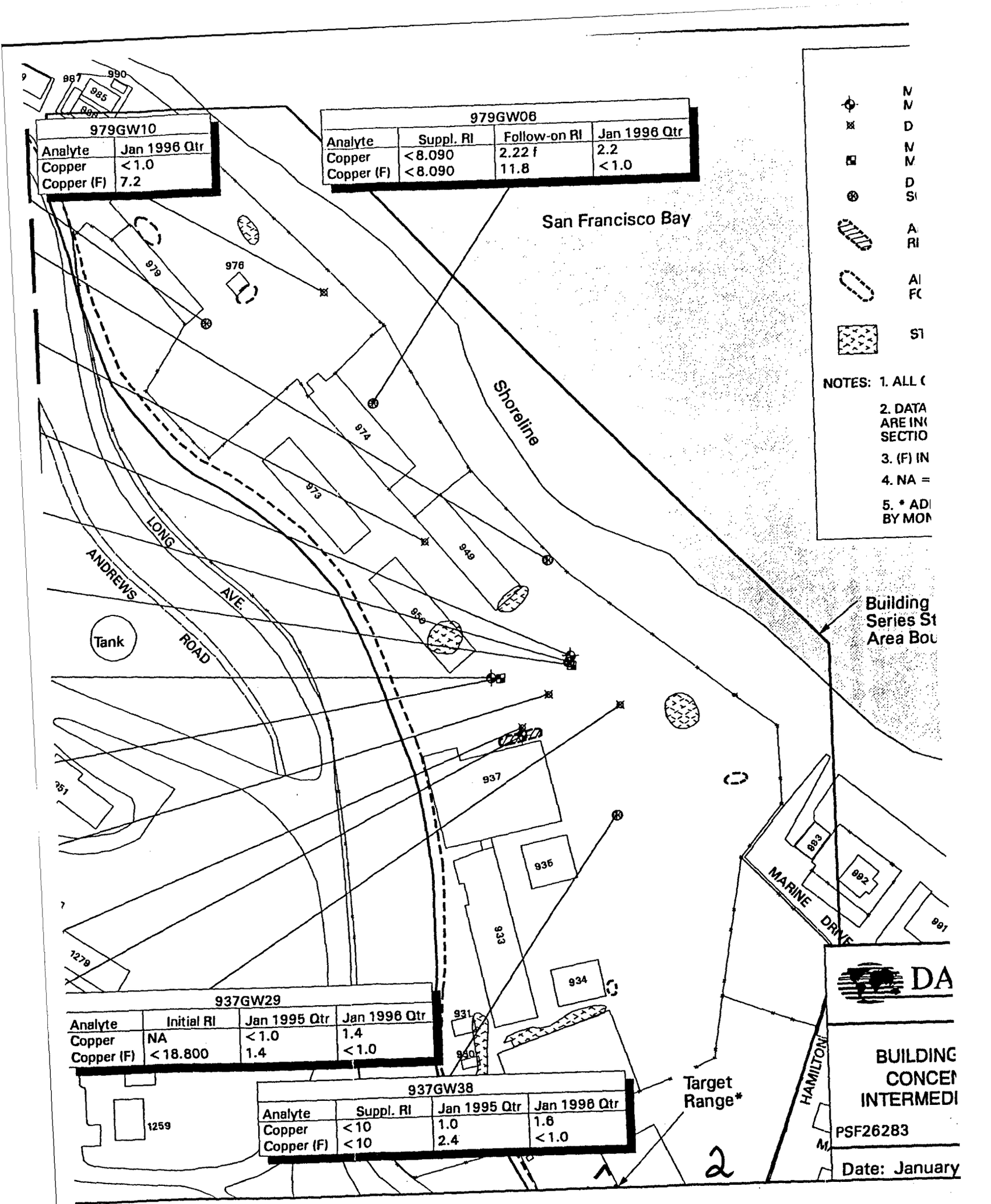
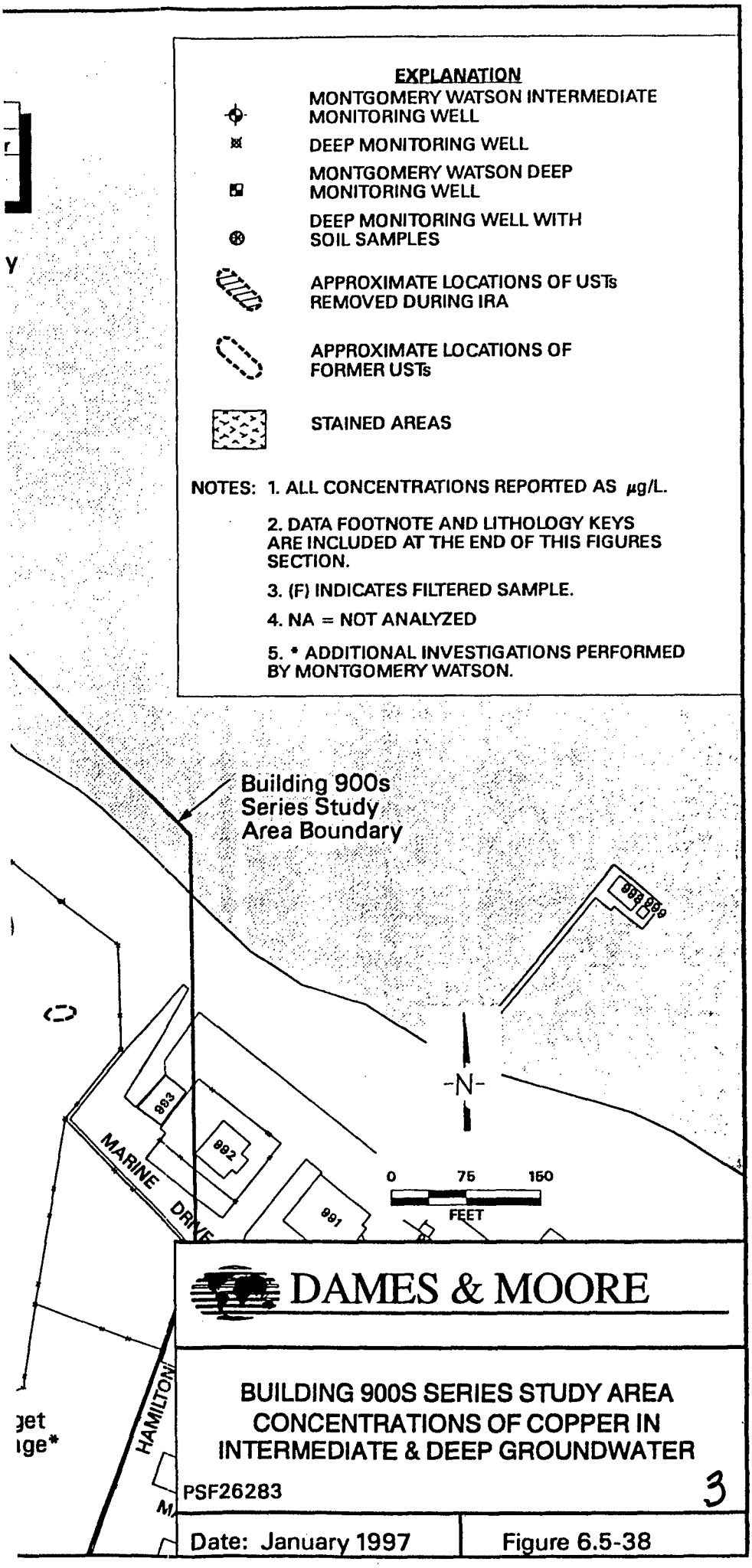
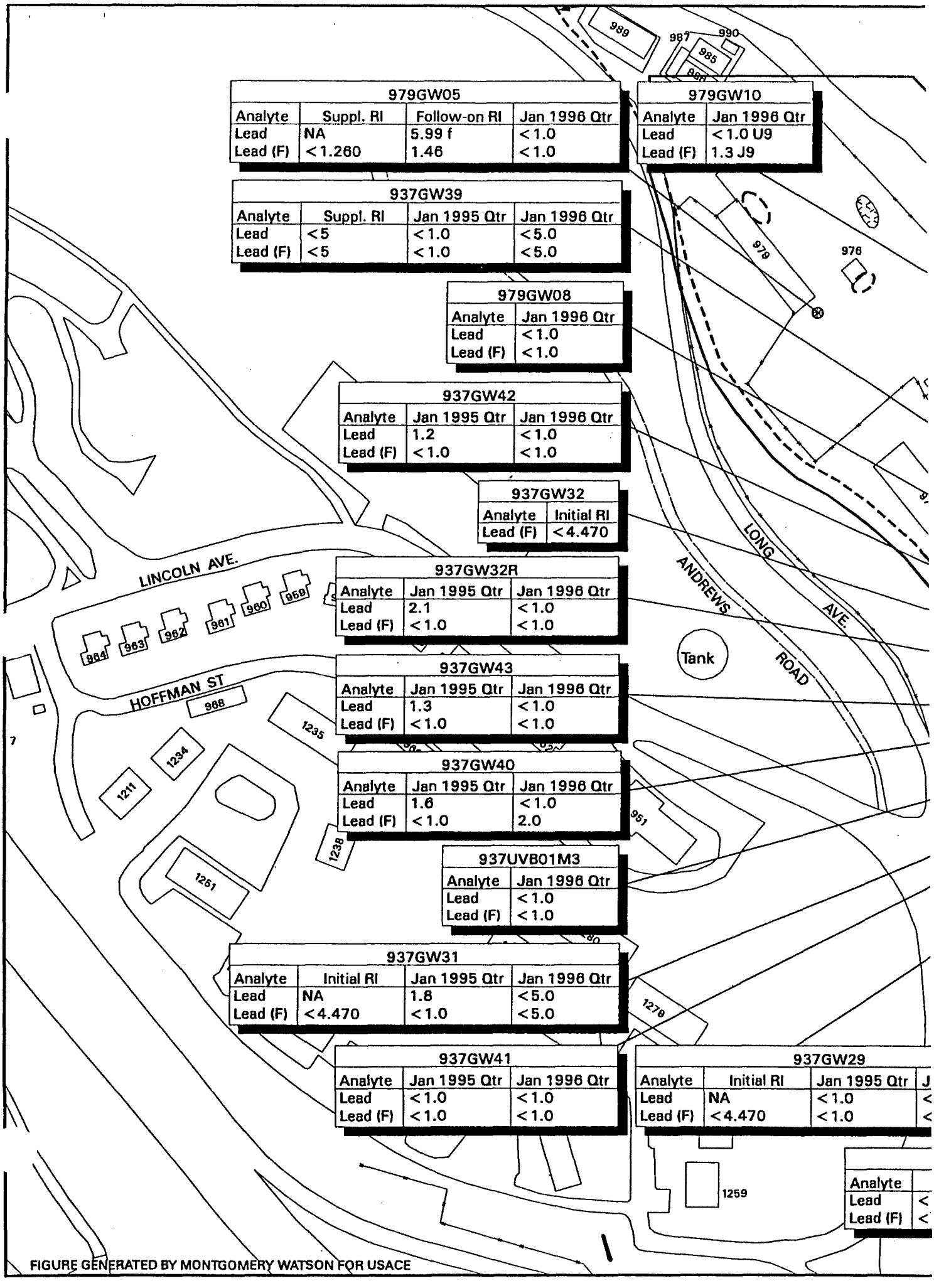

979GW10
Analyte | Jan 1996 Qtr
Copper | < 1.0
Copper (F) | 7.2
979GW06
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Copper | < 8.090 | 2.22 f | 2.2
Copper (F) | < 8.090 | 11.8 | < 1.0
San Francisco Bay
Shoreline
LONG AVE.
ANDREWS ROAD
Tank
MARINE DRIVE
HAMILTON
Target Range*
937GW29
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Copper | NA | < 1.0 | 1.4
Copper (F) | < 18.800 | 1.4 | < 1.0
937GW38
Analyte | Suppl. RI | Jan 1995 Qtr | Jan 1996 Qtr
Copper | < 10 | 1.0 | 1.6
Copper (F) | < 10 | 2.4 | < 1.0
NOTES: 1. ALL
2. DATA
3. (F) IN
4. NA =
5. * ADI
BY MON
Building
Series St
Area Bou
BUILDING
CONCEI
INTERMEDI
PSF26283
Date: January
2


EXPLANATION
MONTGOMERY WATSON INTERMEDIATE MONITORING WELL
DEEP MONITORING WELL
MONTGOMERY WATSON DEEP MONITORING WELL
DEEP MONITORING WELL WITH SOIL SAMPLES
APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
APPROXIMATE LOCATIONS OF FORMER USTs
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/L.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED
5. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.
Building 900s Series Study Area Boundary
-N-
0 75 150
FEET
MARINE DRIVE
HAMILTON
DAMES & MOORE
BUILDING 900S SERIES STUDY AREA
CONCENTRATIONS OF COPPER IN
INTERMEDIATE & DEEP GROUNDWATER
PSF26283
3
Date: January 1997
Figure 6.5-38



979GW05			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Lead	NA	5.99 f	< 1.0
Lead (F)	< 1.260	1.46	< 1.0

979GW10	
Analyte	Jan 1996 Qtr
Lead	< 1.0 U9
Lead (F)	1.3 J9

937GW39			
Analyte	Suppl. RI	Jan 1995 Qtr	Jan 1996 Qtr
Lead	< 5	< 1.0	< 5.0
Lead (F)	< 5	< 1.0	< 5.0

979GW08	
Analyte	Jan 1996 Qtr
Lead	< 1.0
Lead (F)	< 1.0

937GW42		
Analyte	Jan 1995 Qtr	Jan 1996 Qtr
Lead	1.2	< 1.0
Lead (F)	< 1.0	< 1.0

937GW32	
Analyte	Initial RI
Lead (F)	< 4.470

937GW32R		
Analyte	Jan 1995 Qtr	Jan 1996 Qtr
Lead	2.1	< 1.0
Lead (F)	< 1.0	< 1.0

937GW43		
Analyte	Jan 1995 Qtr	Jan 1996 Qtr
Lead	1.3	< 1.0
Lead (F)	< 1.0	< 1.0

937GW40		
Analyte	Jan 1995 Qtr	Jan 1996 Qtr
Lead	1.6	< 1.0
Lead (F)	< 1.0	2.0

937UVB01M3	
Analyte	Jan 1996 Qtr
Lead	< 1.0
Lead (F)	< 1.0

937GW31			
Analyte	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
Lead	NA	1.8	< 5.0
Lead (F)	< 4.470	< 1.0	< 5.0

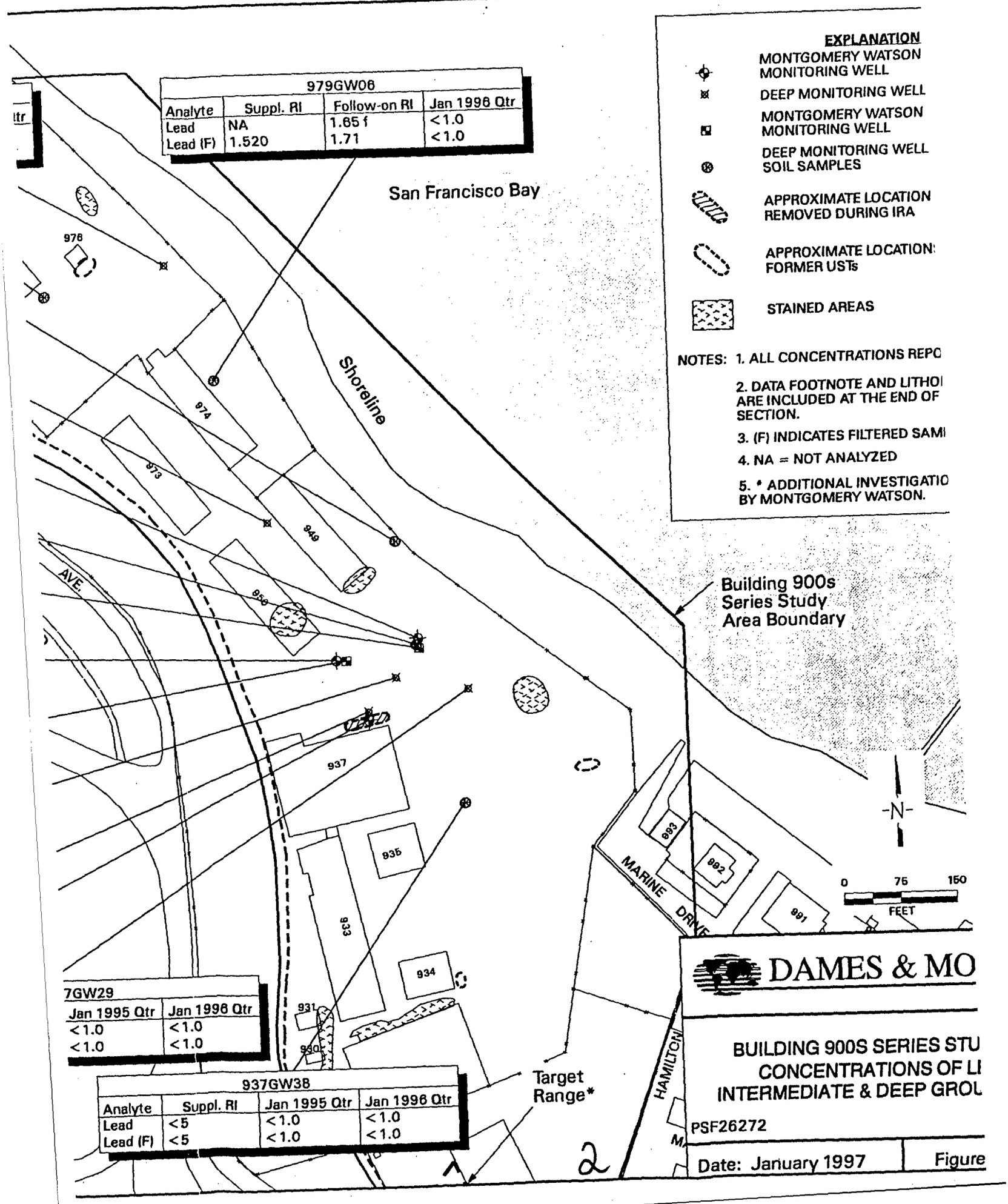
937GW41		
Analyte	Jan 1995 Qtr	Jan 1996 Qtr
Lead	< 1.0	< 1.0
Lead (F)	< 1.0	< 1.0

937GW29			J
Analyte	Initial RI	Jan 1995 Qtr	
Lead	NA	< 1.0	<
Lead (F)	< 4.470	< 1.0	<

Analyte	
Lead	<
Lead (F)	<

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

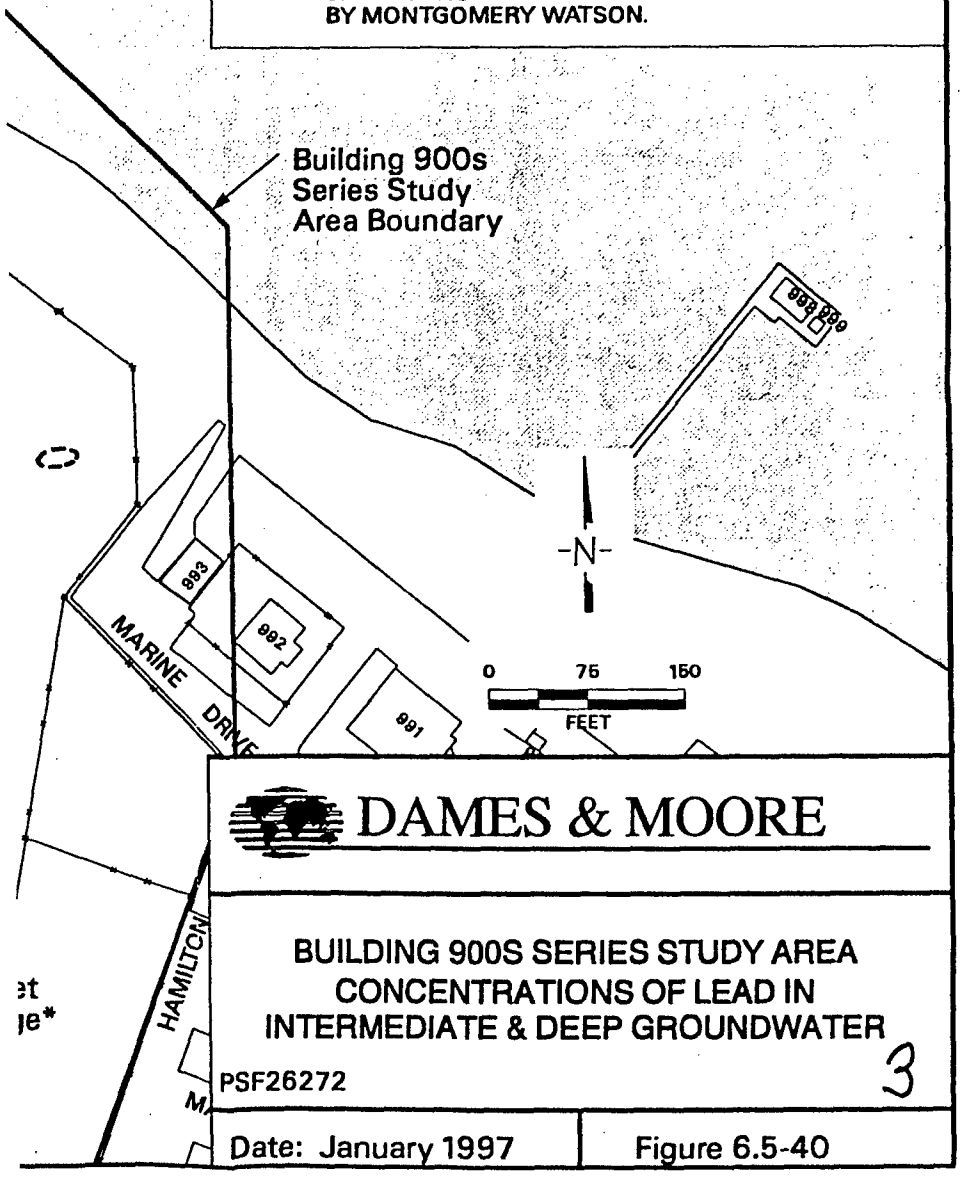
26 Dec 96 10:08:57 Thursday, u=~ 11x17_v3.aml, plotfile base_B900D_W_12.grn, PSF


979GW06
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Lead | NA | 1.65 f | <1.0
Lead (F) | 1.520 | 1.71 | <1.0
San Francisco Bay
976
974
973
949
950
Shoreline
AVE.
937
936
933
934
931
930
993
992
991
MARINE DRIVE
HAMILTON
Building 900s Series Study Area Boundary
EXPLANATION
MONTGOMERY WATSON MONITORING WELL
DEEP MONITORING WELL
MONTGOMERY WATSON MONITORING WELL
DEEP MONITORING WELL SOIL SAMPLES
APPROXIMATE LOCATION REMOVED DURING IRA
APPROXIMATE LOCATION FORMER USTs
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPO
2. DATA FOOTNOTE AND LITHOI ARE INCLUDED AT THE END OF SECTION.
3. (F) INDICATES FILTERED SAMI
4. NA = NOT ANALYZED
5. * ADDITIONAL INVESTIGATIO BY MONTGOMERY WATSON.
-N-
0 75 150
FEET
7GW29
Jan 1995 Qtr | Jan 1996 Qtr
<1.0 | <1.0
<1.0 | <1.0
937GW38
Analyte | Suppl. RI | Jan 1995 Qtr | Jan 1996 Qtr
Lead | <5 | <1.0 | <1.0
Lead (F) | <5 | <1.0 | <1.0
Target Range*
DAMES & MO
BUILDING 900S SERIES STU
CONCENTRATIONS OF LI
INTERMEDIATE & DEEP GROU
PSF26272
Date: January 1997
Figure

EXPLANATION

- MONTGOMERY WATSON INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- MONTGOMERY WATSON DEEP MONITORING WELL
- DEEP MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STAINED AREAS

NOTES:
1. ALL CONCENTRATIONS REPORTED AS µg/L.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED
5. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.



DAMES & MOORE

BUILDING 900S SERIES STUDY AREA
CONCENTRATIONS OF LEAD IN
INTERMEDIATE & DEEP GROUNDWATER

PSF26272

3

Date: January 1997

Figure 6.5-40

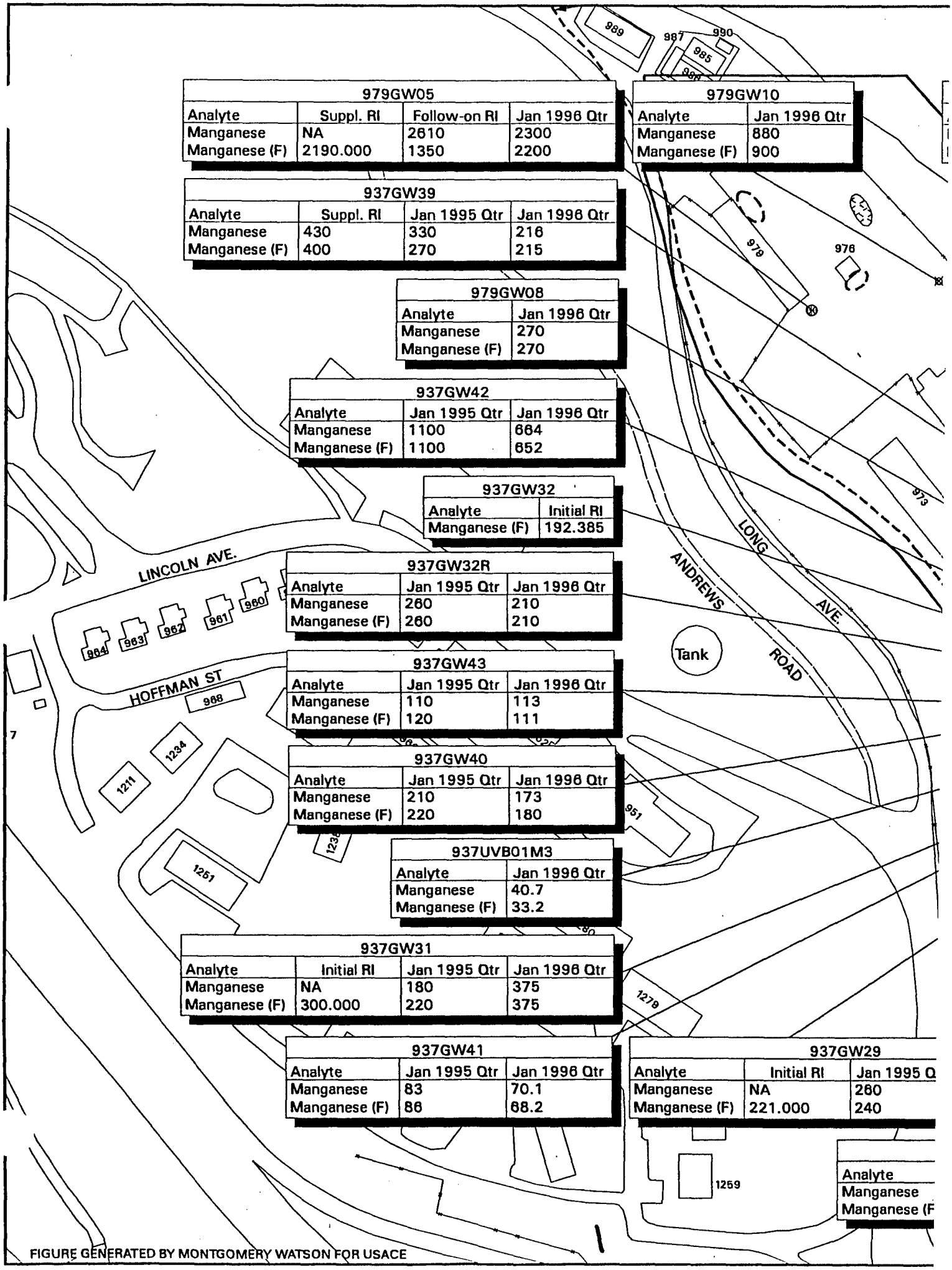
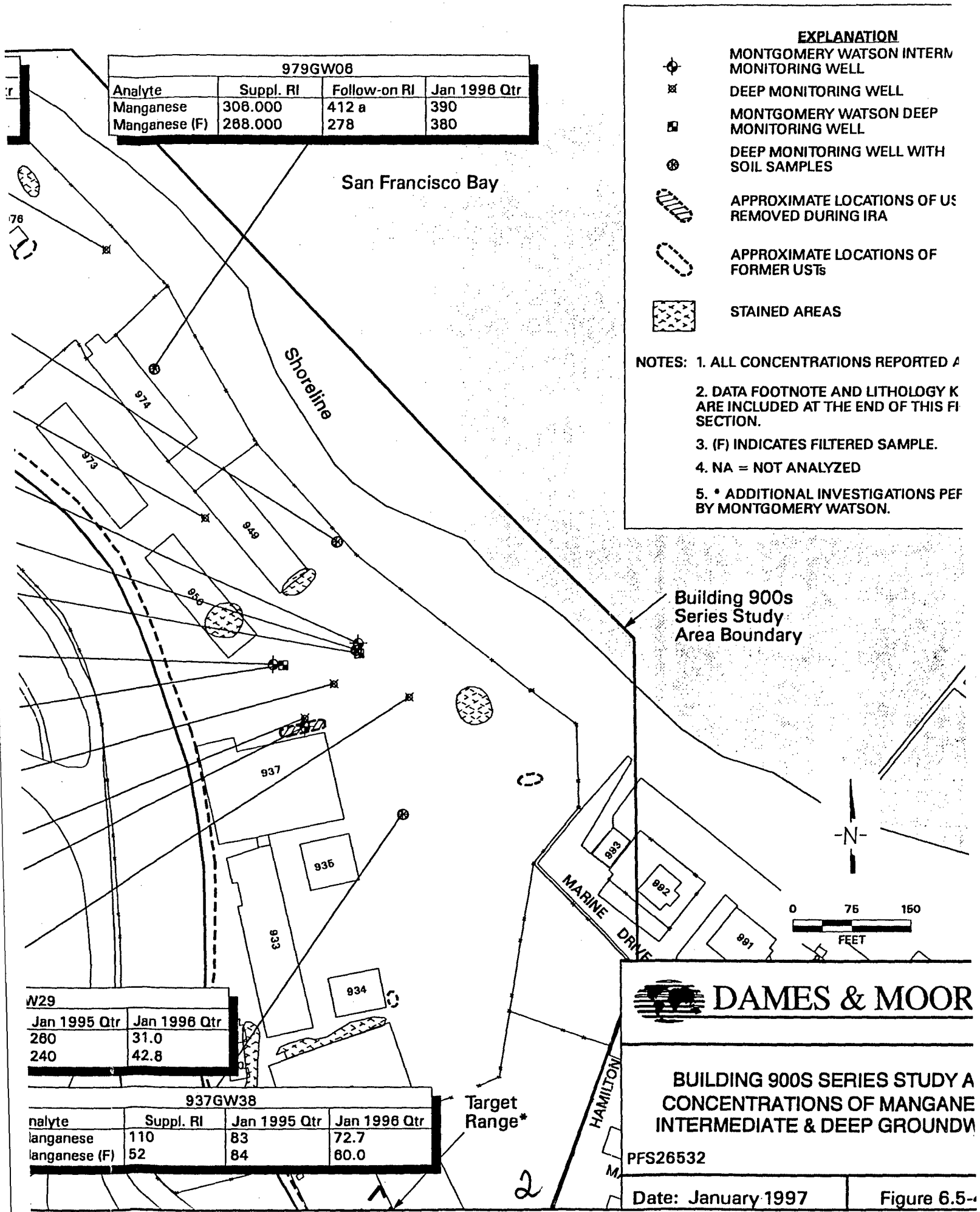
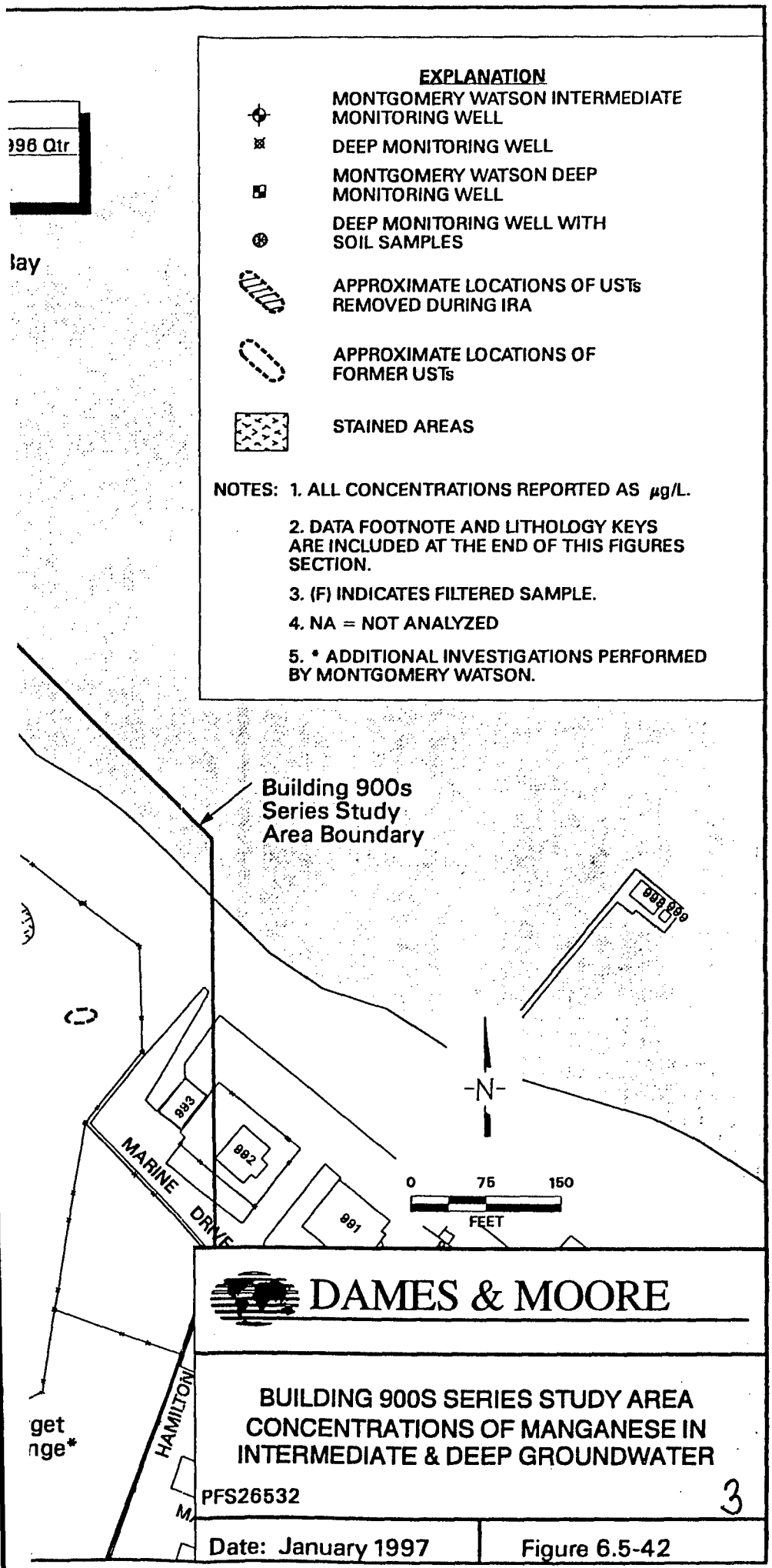


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


979GW06
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Manganese | 306.000 | 412 a | 390
Manganese (F) | 288.000 | 278 | 380
San Francisco Bay
Shoreline
974
973
949
936
937
935
933
934
993
992
991
MARINE DRIVE
HAMILTON
Building 900s Series Study Area Boundary
Target Range*
EXPLANATION
MONTGOMERY WATSON INTERM MONITORING WELL
DEEP MONITORING WELL
MONTGOMERY WATSON DEEP MONITORING WELL
DEEP MONITORING WELL WITH SOIL SAMPLES
APPROXIMATE LOCATIONS OF US REMOVED DURING IRA
APPROXIMATE LOCATIONS OF FORMER USTs
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPORTED A
2. DATA FOOTNOTE AND LITHOLOGY K ARE INCLUDED AT THE END OF THIS FI SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED
5. * ADDITIONAL INVESTIGATIONS PEF BY MONTGOMERY WATSON.
-N-
0 75 150
FEET
W29
Jan 1995 Qtr | Jan 1996 Qtr
260 | 31.0
240 | 42.8
937GW38
nalyte | Suppl. RI | Jan 1995 Qtr | Jan 1996 Qtr
langanese | 110 | 83 | 72.7
langanese (F) | 52 | 84 | 60.0
DAMES & MOOR
BUILDING 900S SERIES STUDY A
CONCENTRATIONS OF MANGANE
INTERMEDIATE & DEEP GROUNDW
PFS26532
Date: January 1997
Figure 6.5-


EXPLANATION
MONTGOMERY WATSON INTERMEDIATE MONITORING WELL
DEEP MONITORING WELL
MONTGOMERY WATSON DEEP MONITORING WELL
DEEP MONITORING WELL WITH SOIL SAMPLES
APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
APPROXIMATE LOCATIONS OF FORMER USTs
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/L.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED
5. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.
Building 900s Series Study Area Boundary
998 999
893
892
891
MARINE DRIVE
HAMILTON
N
0 75 150
FEET
DAMES & MOORE
BUILDING 900S SERIES STUDY AREA
CONCENTRATIONS OF MANGANESE IN INTERMEDIATE & DEEP GROUNDWATER
PFS26532
3
Date: January 1997
Figure 6.5-42

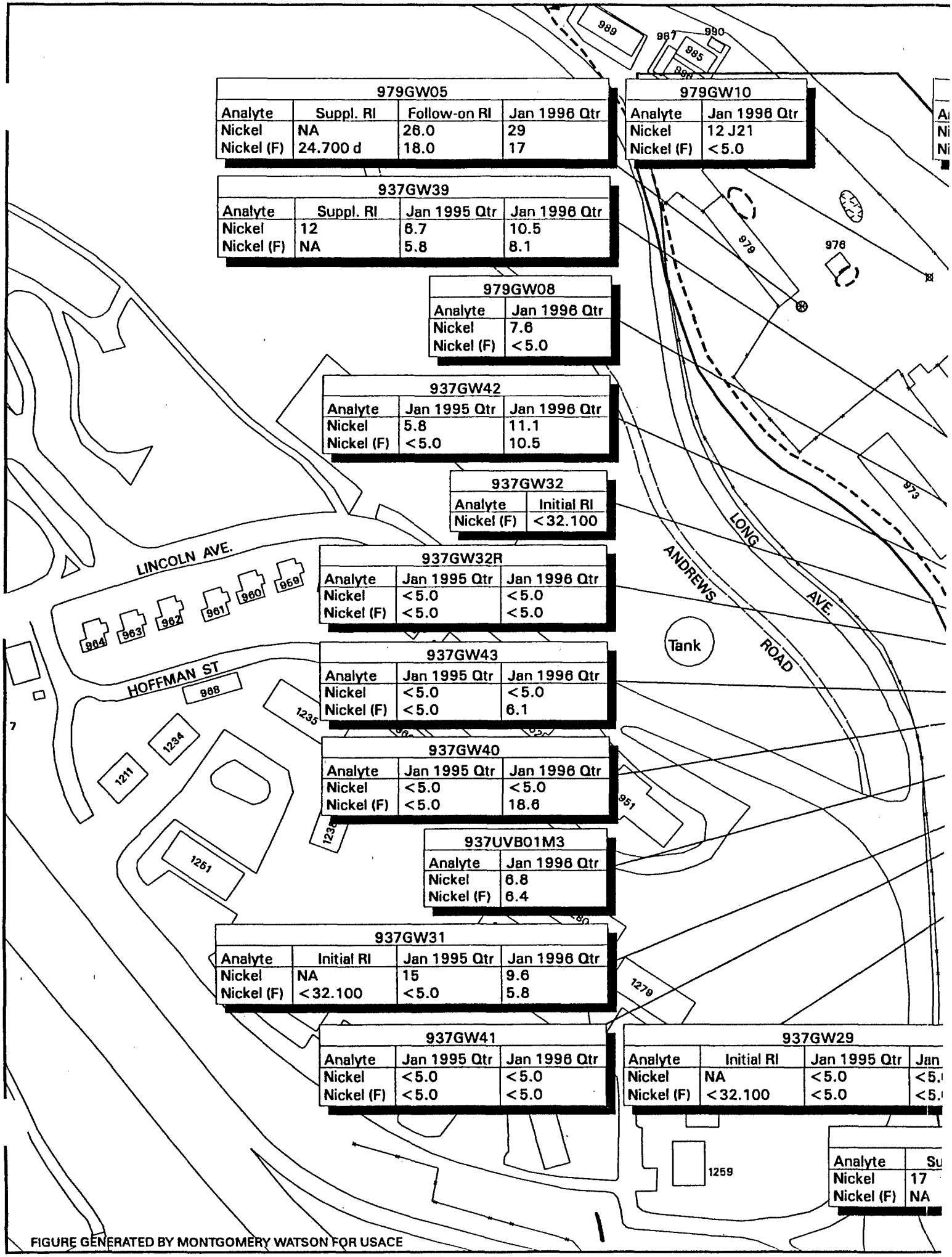


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

26 Dec 96 10:12:08 Thursday, h:
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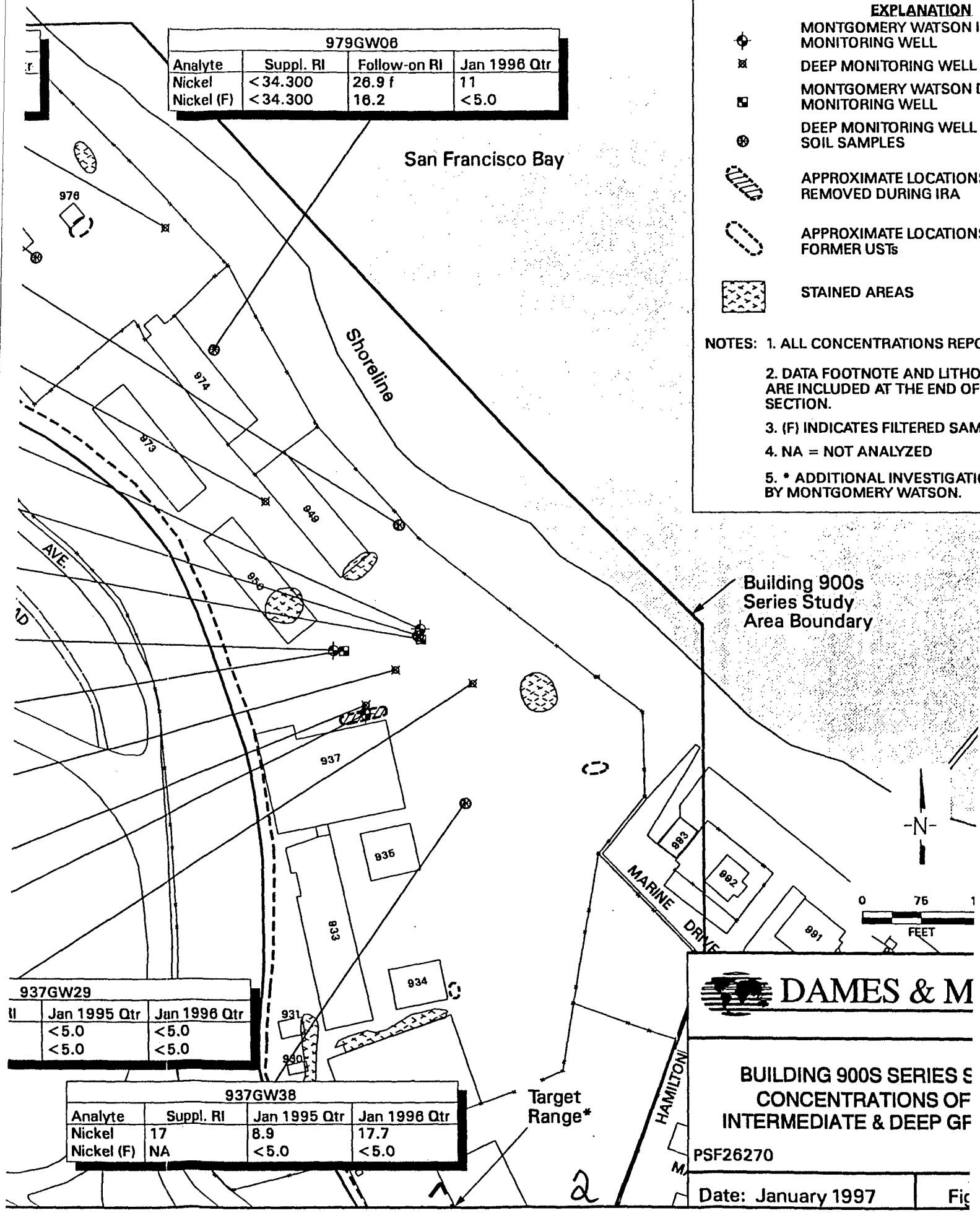
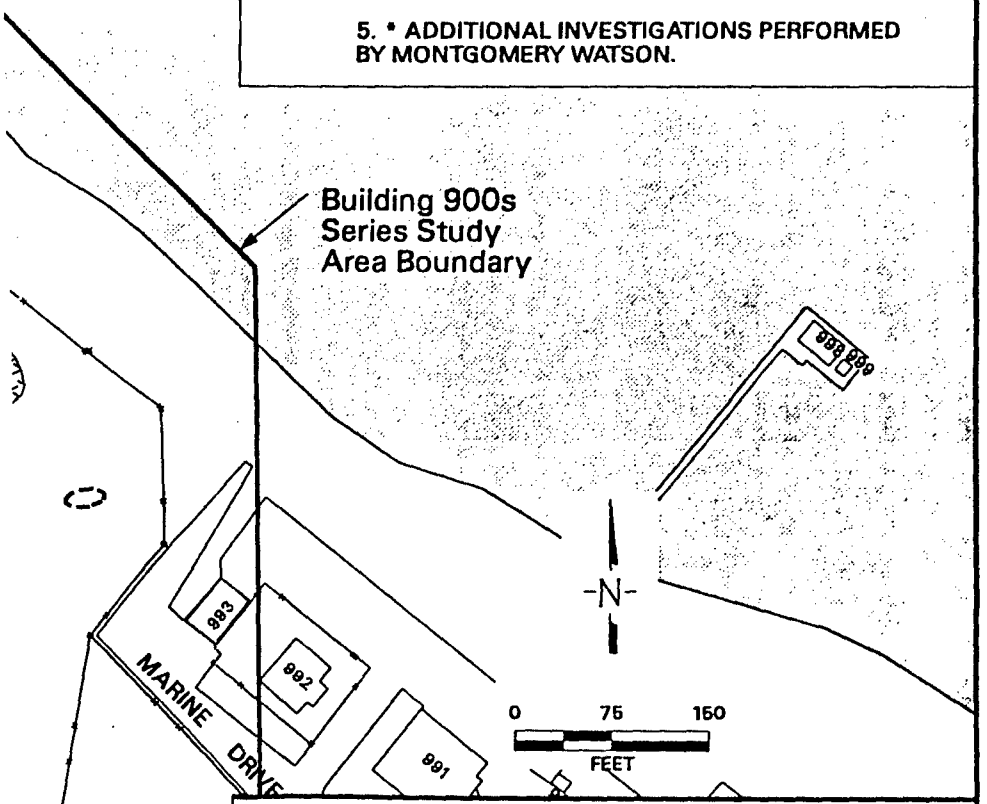

979GW06
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Nickel | <34.300 | 26.9 f | 11
Nickel (F) | <34.300 | 16.2 | <5.0
San Francisco Bay
976
974
973
949
950
Shoreline
AVE.
937
935
933
934
931
930
937GW29
Jan 1995 Qtr | Jan 1996 Qtr
<5.0 | <5.0
<5.0 | <5.0
937GW38
Analyte | Suppl. RI | Jan 1995 Qtr | Jan 1996 Qtr
Nickel | 17 | 8.9 | 17.7
Nickel (F) | NA | <5.0 | <5.0
Target Range*
Building 900s Series Study Area Boundary
MARINE DRIVE
HAMILTON
983
982
981
N
0 75
FEET
EXPLANATION
MONTGOMERY WATSON IN MONITORING WELL
DEEP MONITORING WELL
MONTGOMERY WATSON DI MONITORING WELL
DEEP MONITORING WELL V SOIL SAMPLES
APPROXIMATE LOCATIONS REMOVED DURING IRA
APPROXIMATE LOCATIONS FORMER USTs
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPO
2. DATA FOOTNOTE AND LITHOI ARE INCLUDED AT THE END OF SECTION.
3. (F) INDICATES FILTERED SAM
4. NA = NOT ANALYZED
5. * ADDITIONAL INVESTIGATIC BY MONTGOMERY WATSON.
DAMES & M
BUILDING 900S SERIES S
CONCENTRATIONS OF
INTERMEDIATE & DEEP GF
PSF26270
Date: January 1997
Fi

EXPLANATION

- MONTGOMERY WATSON INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- MONTGOMERY WATSON DEEP MONITORING WELL
- DEEP MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STAINED AREAS

NOTES:
1. ALL CONCENTRATIONS REPORTED AS µg/L.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED
5. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.



DAMES & MOORE

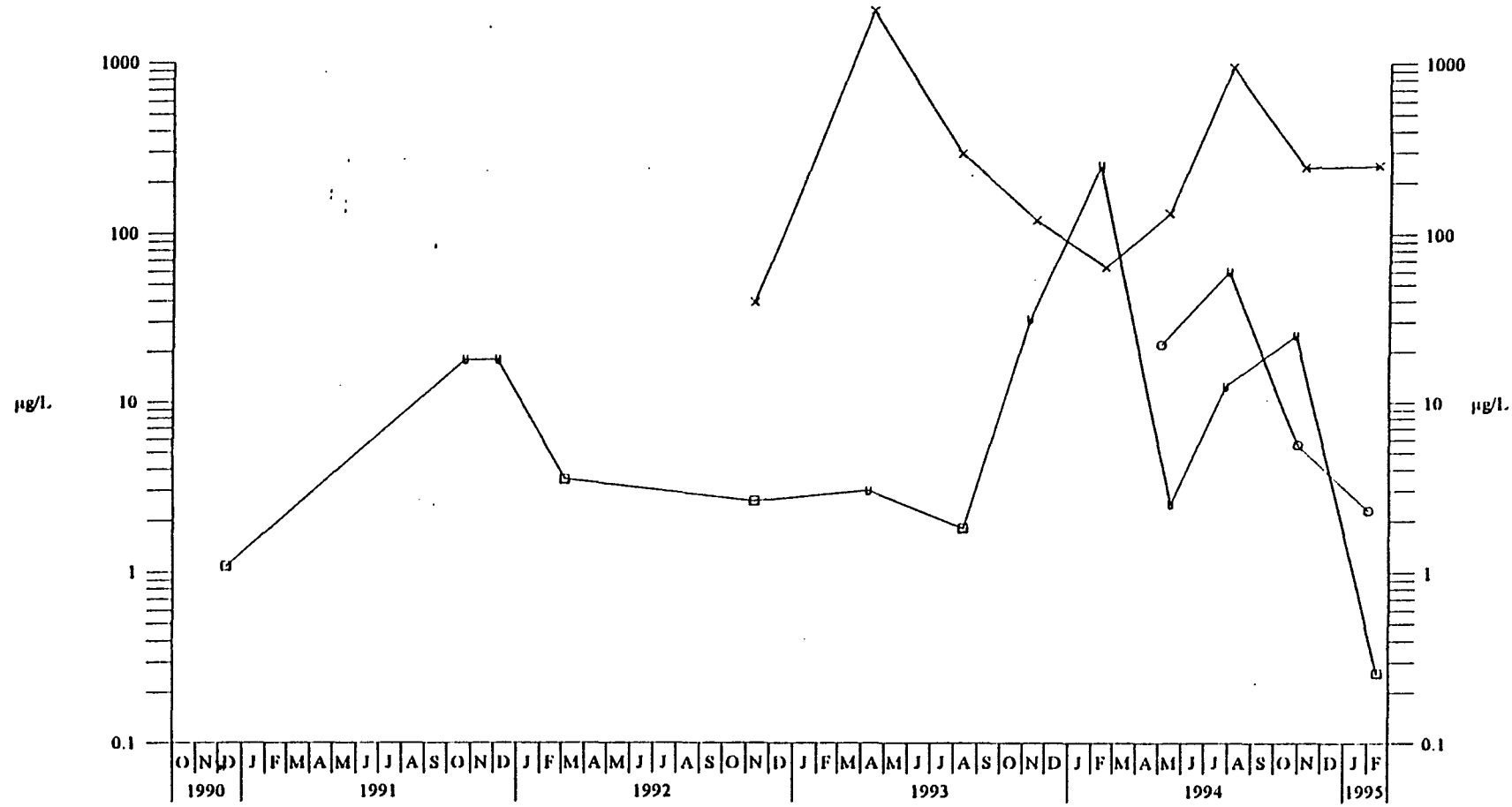
BUILDING 900S SERIES STUDY AREA
CONCENTRATIONS OF NICKEL IN
INTERMEDIATE & DEEP GROUNDWATER

PSF26270

3

Date: January 1997

Figure 6.5-44



EXPLANATION

× - Well 937GW36 (Shallow)
o - Well 937GW41(Intermediate)
□ - Well 937GW31(Deep)
u - UNDETECTED

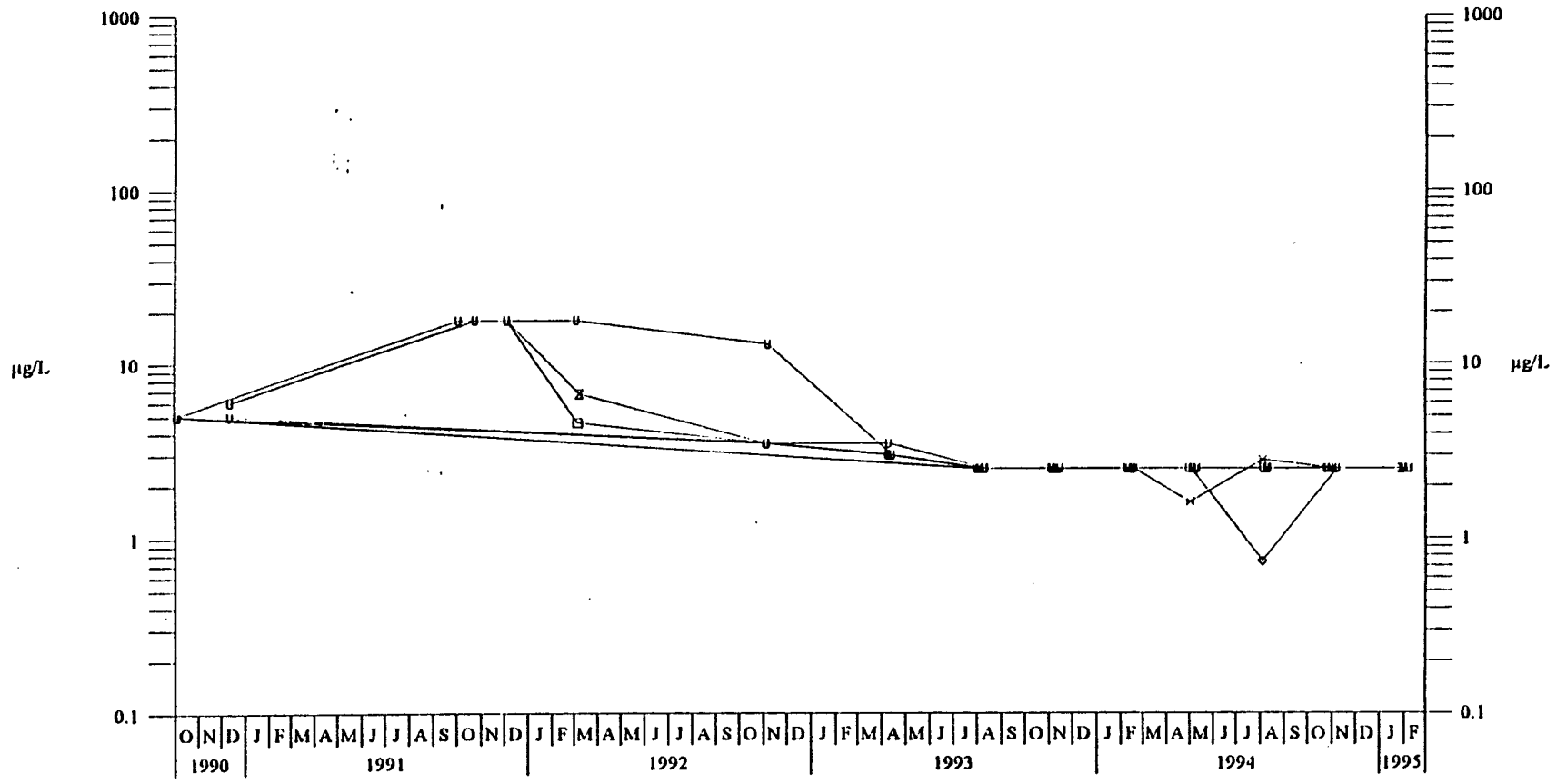
DAMES & MOORE

PRESIDIO REMEDIAL INVESTIGATION

Date: January 1997 | Figure: 6.5-48

BUILDING 900s SERIES STUDY AREA
SUM OF CONCENTRATIONS OF BTEX SPECIES
WELL CLUSTER: 937GW31, 937GW36, 937GW41

ps-c31-b.cgf



EXPLANATION

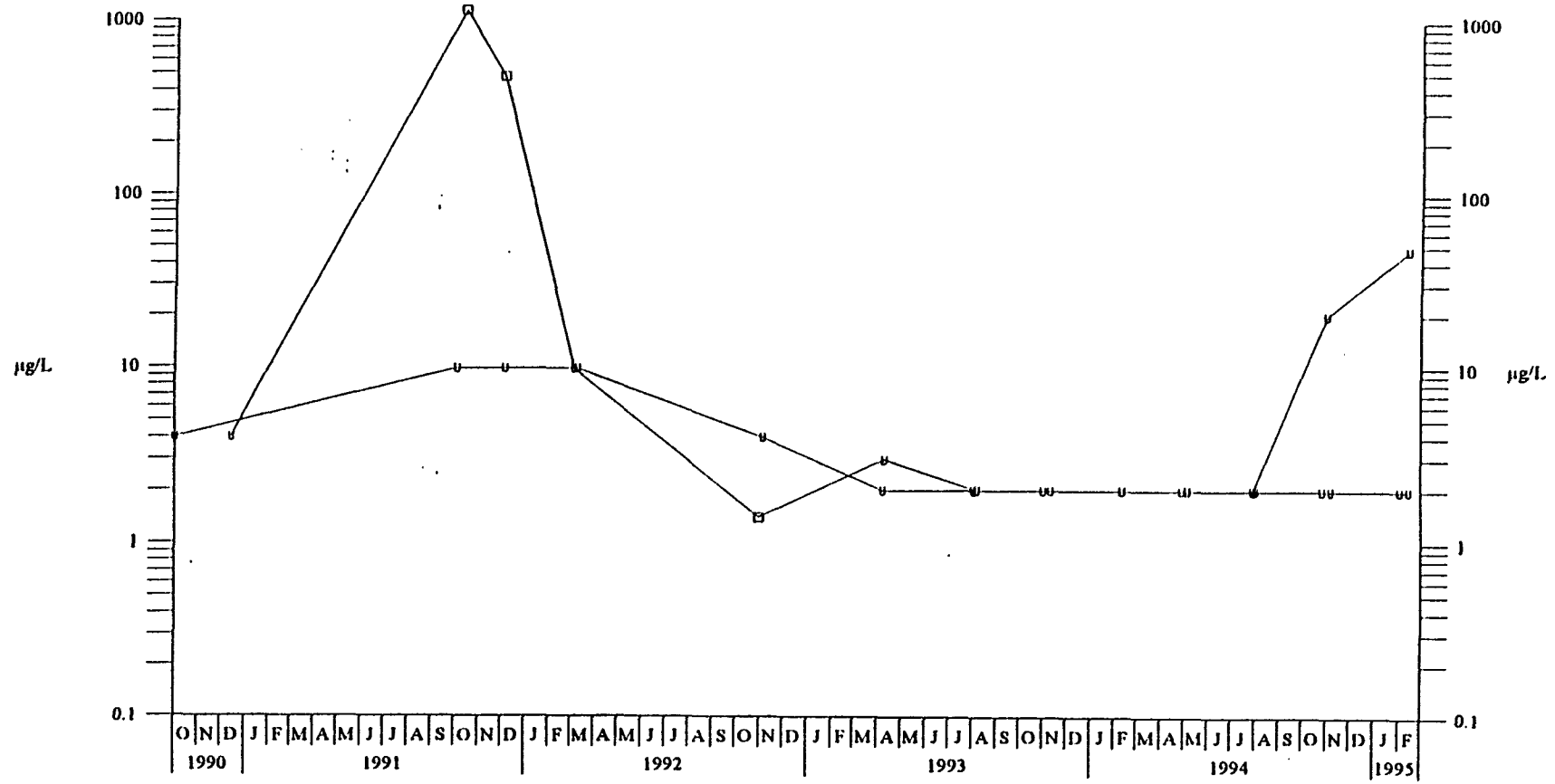
- × - Well 937GW07(Shallow)
- ○ - Well 937GW08(Shallow)
- □ - Well 937GW10(Shallow)
- ◇ - Well 937GW15(Shallow)
- + - Well 937GW16(Shallow)
- ✱ - Well 937GW17(Shallow)
- ⧗ - Well 937GW23(Shallow)
- ⋈ - Well 937GW24(Shallow)
- ⧆ - Well 937GW35(Shallow)
- ⊗ - Well 937GW39(Deep)
- u - UNDETECTED

DAMES & MOORE

PRESIDIO REMEDIAL INVESTIGATION

Date: January 1997 | Figure: 6.5-49

BUILDING 900s SERIES STUDY AREA
SUM OF CONCENTRATIONS OF BTEX SPECIES
COASTAL WELLS: 937GW07, 937GW08, 937GW10, 937GW15, 937GW16, 937GW17, 937GW23, 937GW24, 937GW35, 937GW39
ps-cos-b.cgf



EXPLANATION

× - Well 937GW06(Shallow)
o - Well 937GW42(Intermediate)
□ - Well 937GW32/32R(Deep)
u - UNDETECTED

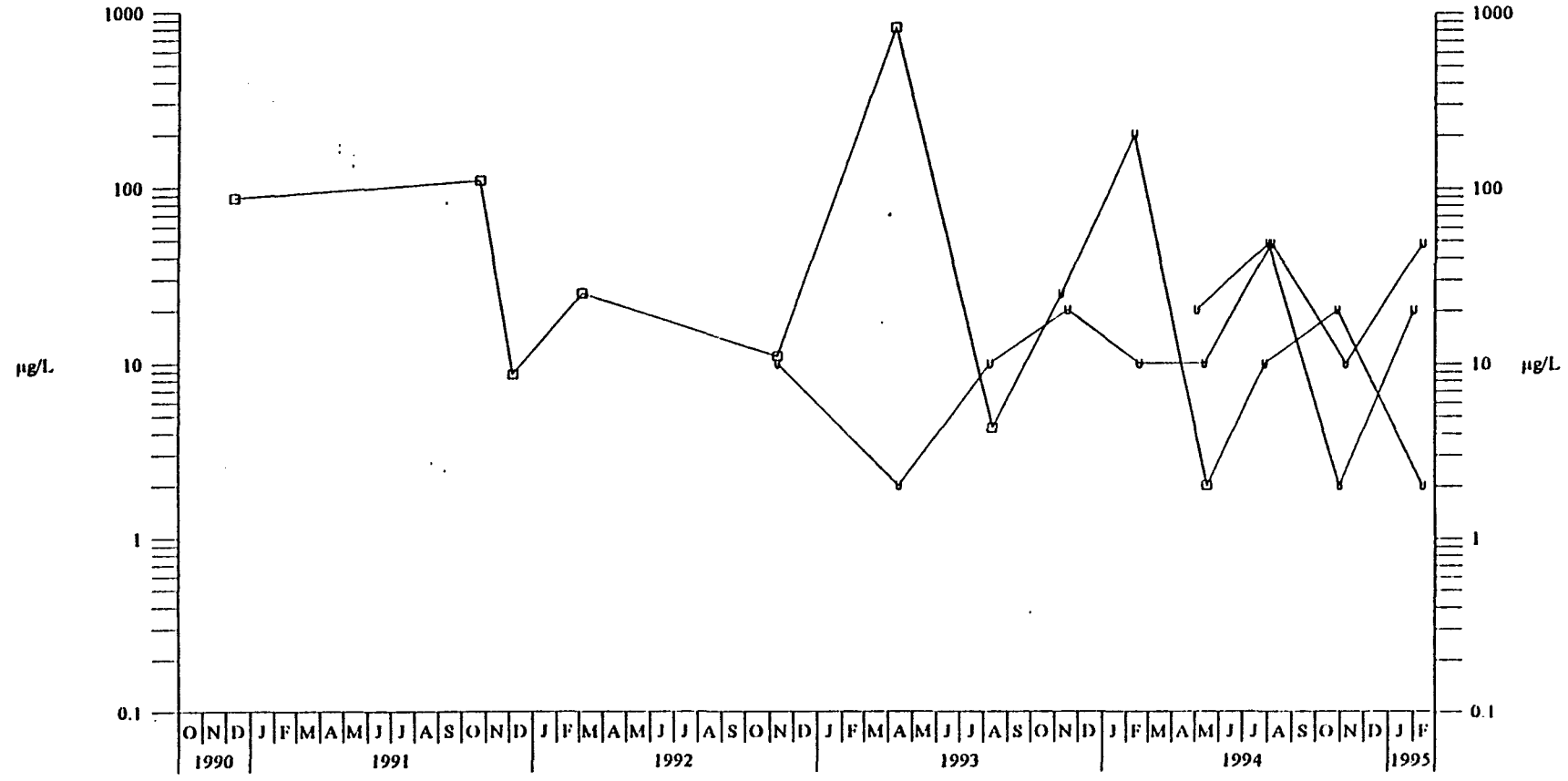
DAMES & MOORE

PRESIDIO REMEDIAL INVESTIGATION

Date: January 1997 | Figure: 6.5-50

BUILDING 900s SERIES STUDY AREA
SUM OF CONCENTRATIONS OF PARENT COMPOUNDS:
TCE, PCE, 111TCA, 11DCA
WELL CLUSTER: 937GW06, 937GW32/32R, 937GW42

ps-c06-p.cgf



EXPLANATION

× - Well 937GW36(Shallow)
o - Well 937GW41(Intermediate)
□ - Well 937GW31(Deep)
u - UNDETECTED

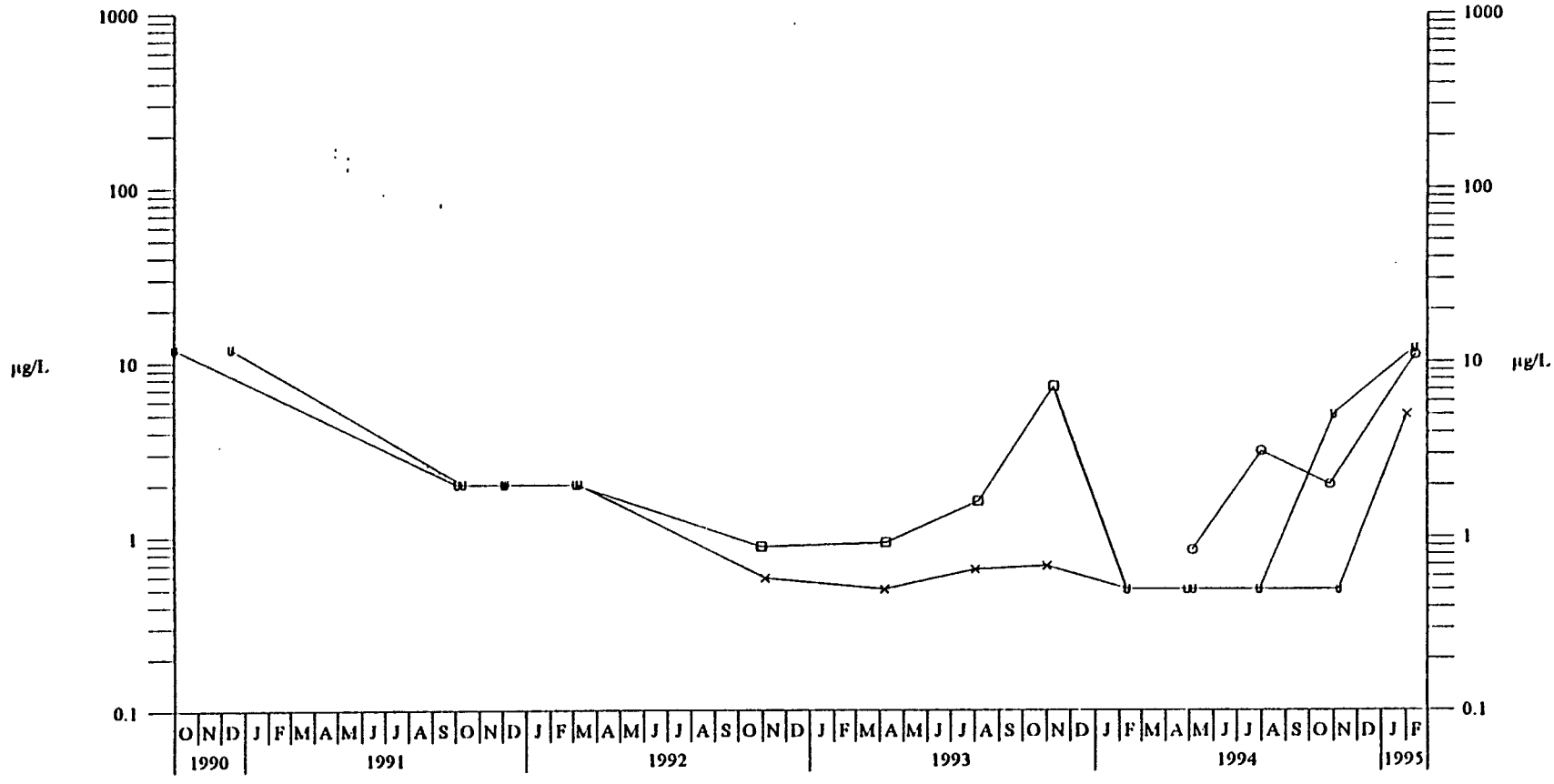
DAMES & MOORE

PRESIDIO REMEDIAL INVESTIGATION

Date: January 1997 | Figure: 6.5-51

BUILDING 900s SERIES STUDY AREA
SUM OF CONCENTRATIONS OF PARENT COMPOUNDS:
TCE, PCE, 111TCA, 11DCA
WELL CLUSTER: 937GW31, 937GW36, 937GW41

ps-c31-p.cgf



EXPLANATION

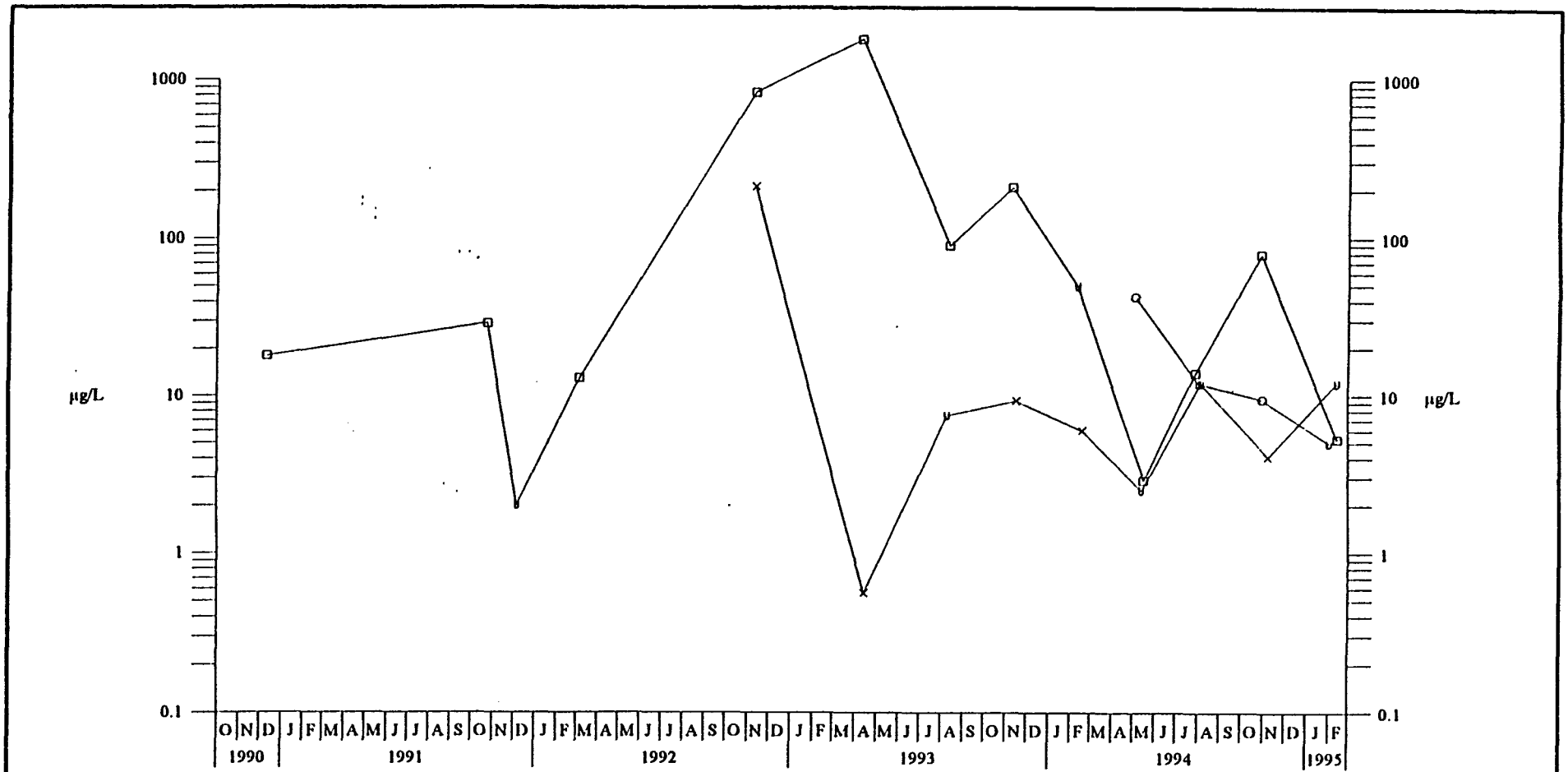
× - Well 937GW06 (Shallow)
o - Well 937GW42(Intermediate)
□ - Well 937GW32/32R(Deep)
u - UNDETECTED

DAMES & MOORE

PRESIDIO REMEDIAL INVESTIGATION

Date: January 1997 | Figure: 6.5-52

BUILDING 900s SERIES STUDY AREA
SUM OF CONCENTRATIONS OF CHLORINATED DEGRADATION PRODUCTS:
12DCE , cis/trans-12DCE, AND VC
WELL CLUSTER: 937GW06, 937GW32/32R, 937GW42
ps-co6-d.cgf



EXPLANATION

× - Well 937GW36 (Shallow)
o - Well 937GW41(Intermediate)
□ - Well 937GW31(Deep)
u - UNDETECTED

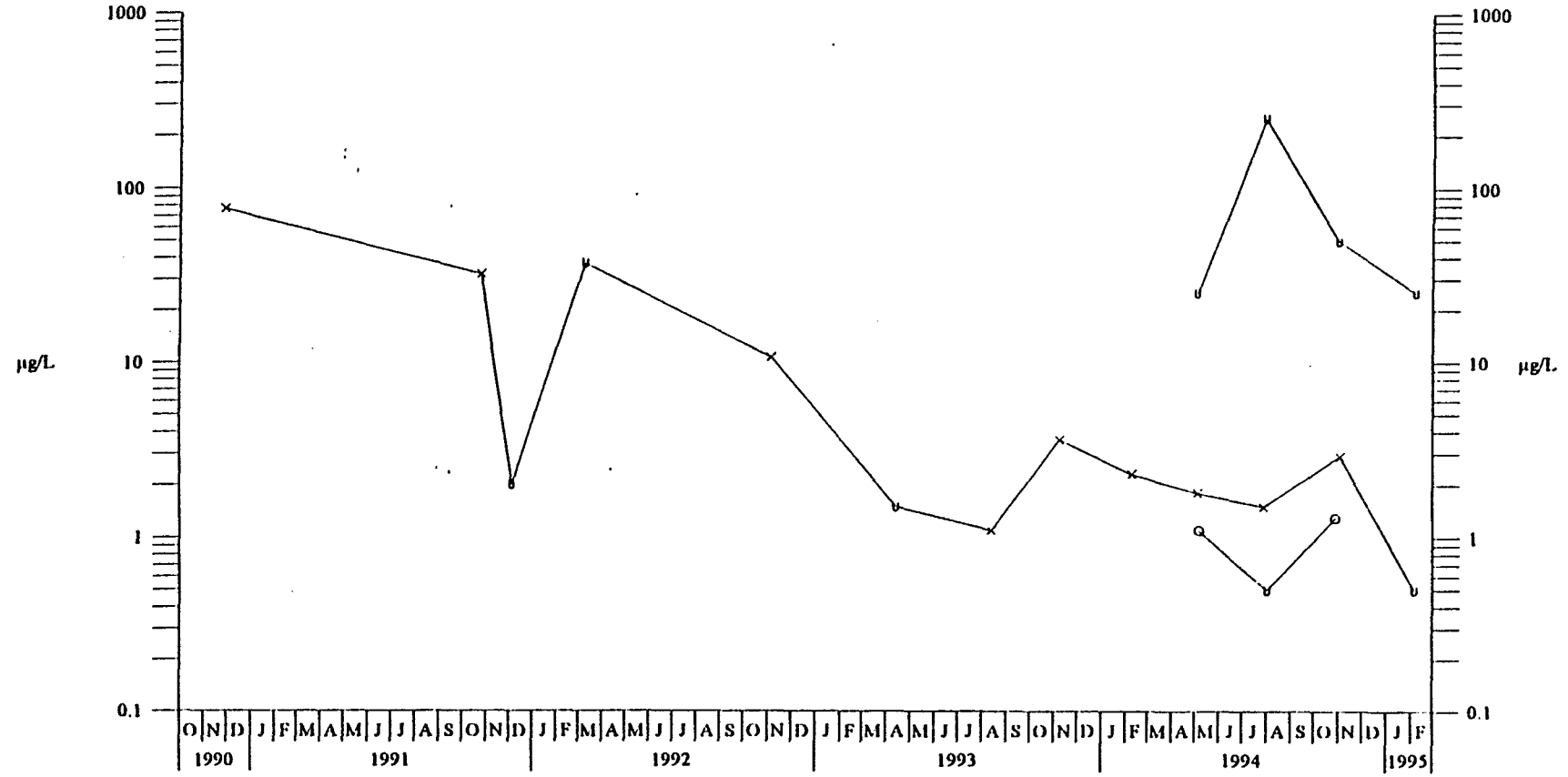
DAMES & MOORE

PRESIDIO REMEDIAL INVESTIGATION

Date: January 1997 | Figure: 6.5-53

BUILDING 900s SERIES STUDY AREA
SUM OF CONCENTRATIONS OF CHLORINATED DEGRADATION PRODUCTS:
12DCE, cis/trans-12DCE, AND VC
WELL CLUSTER: 937GW31, 937GW36, 937GW41

ps-c31-d.cgf



EXPLANATION

× - Well 937GW28(Shallow)
o - Well 937GW43(Intermediate)
□ - Well 937GW40(Deep)
u - UNDETECTED

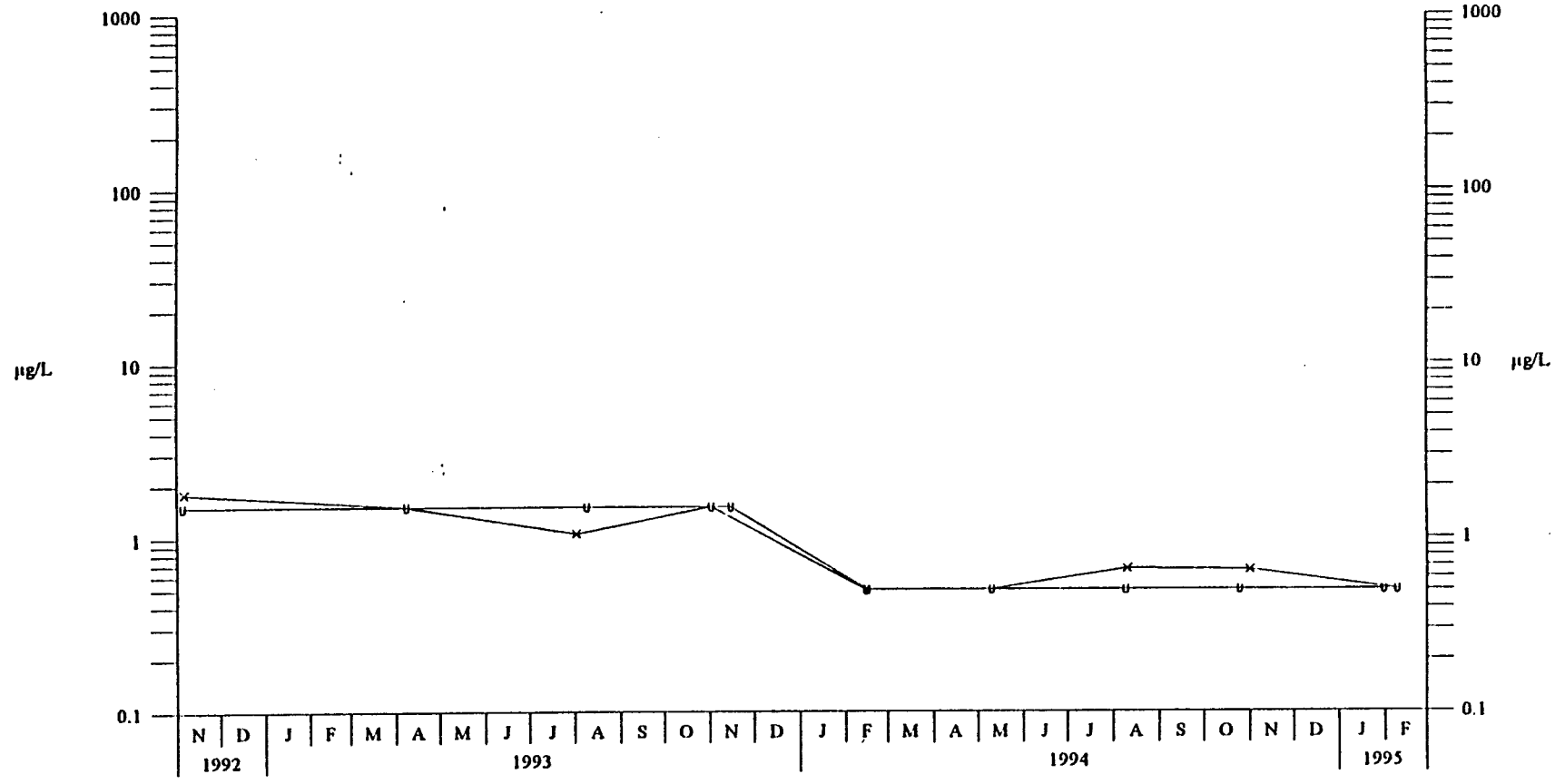
DAMES & MOORE

PRESIDIO REMEDIAL INVESTIGATION

Date: January 1997 | Figure: 6.5-54

BUILDING 900s SERIES STUDY AREA
SUM OF CONCENTRATIONS OF CHLORINATED DEGRADATION PRODUCTS:
12DCE, cis/trans-12DCE, AND VC
WELL CLUSTER: 937GW28, 937GW40, 937GW43

ps-c28-d.cgf



EXPLANATION

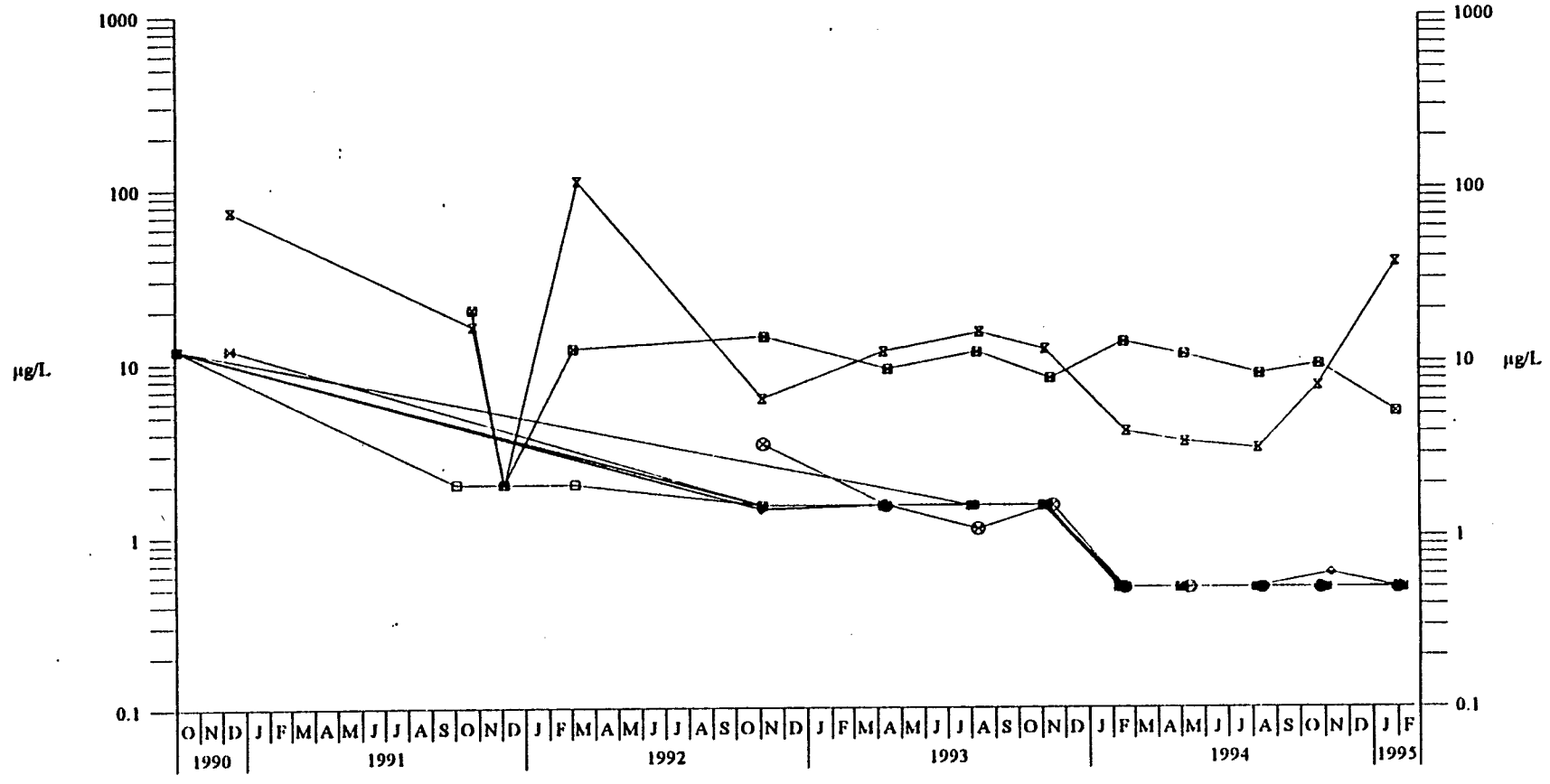
× - Well 937GW12(Shallow)
o - Well 937GW38(Deep)
u - UNDETECTED

DAMES & MOORE

PRESIDIO REMEDIAL INVESTIGATION

Date: January 1997 | Figure: 6.5-55

BUILDING 900s SERIES STUDY AREA
SUM OF CONCENTRATIONS OF CHLORINATED DEGRADATION PRODUCTS:
12DCE, cis/trans-12DCE, AND VC
WELL CLUSTER: 937GW12, 937GW38
ps-c12-d.cgf



EXPLANATION

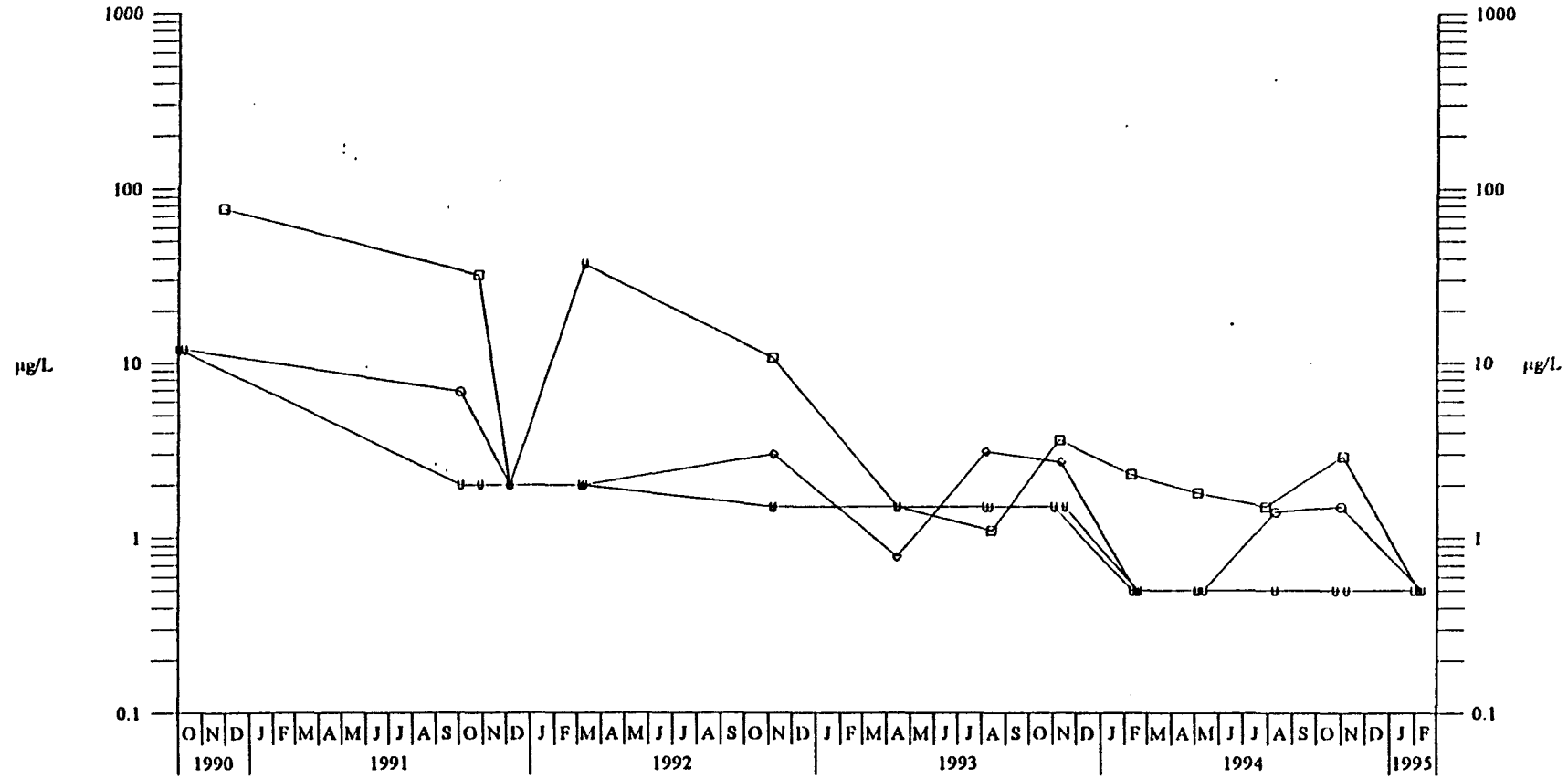
- × - Well 937GW07(Shallow)
- ○ - Well 937GW08(Shallow)
- □ - Well 937GW10(Shallow)
- ◇ - Well 937GW15(Shallow)
- + - Well 937GW16(Shallow)
- ⋈ - Well 937GW17(Shallow)
- ⧗ - Well 937GW23(Shallow)
- ⋈ - Well 937GW24(Shallow)
- ⊠ - Well 937GW35(Shallow)
- ⊗ - Well 937GW39(Deep)
- u - UNDETECTED

DAMES & MOORE

PRESIDIO REMEDIAL INVESTIGATION

Date: January 1997 | Figure: 6.5-56

BUILDING 900s SERIES STUDY AREA
SUM OF CONCENTRATIONS OF CHLORINATED DEGRADATION PRODUCTS:
12DCE, cis/trans-12DCE, AND VC
COASTAL WELLS: 937GW07, 937GW08, 937GW10, 937GW15, 937GW16, 937GW17, 937GW23, 937GW24, 937GW35, 937GW39
ps-cos-d.cgf



EXPLANATION

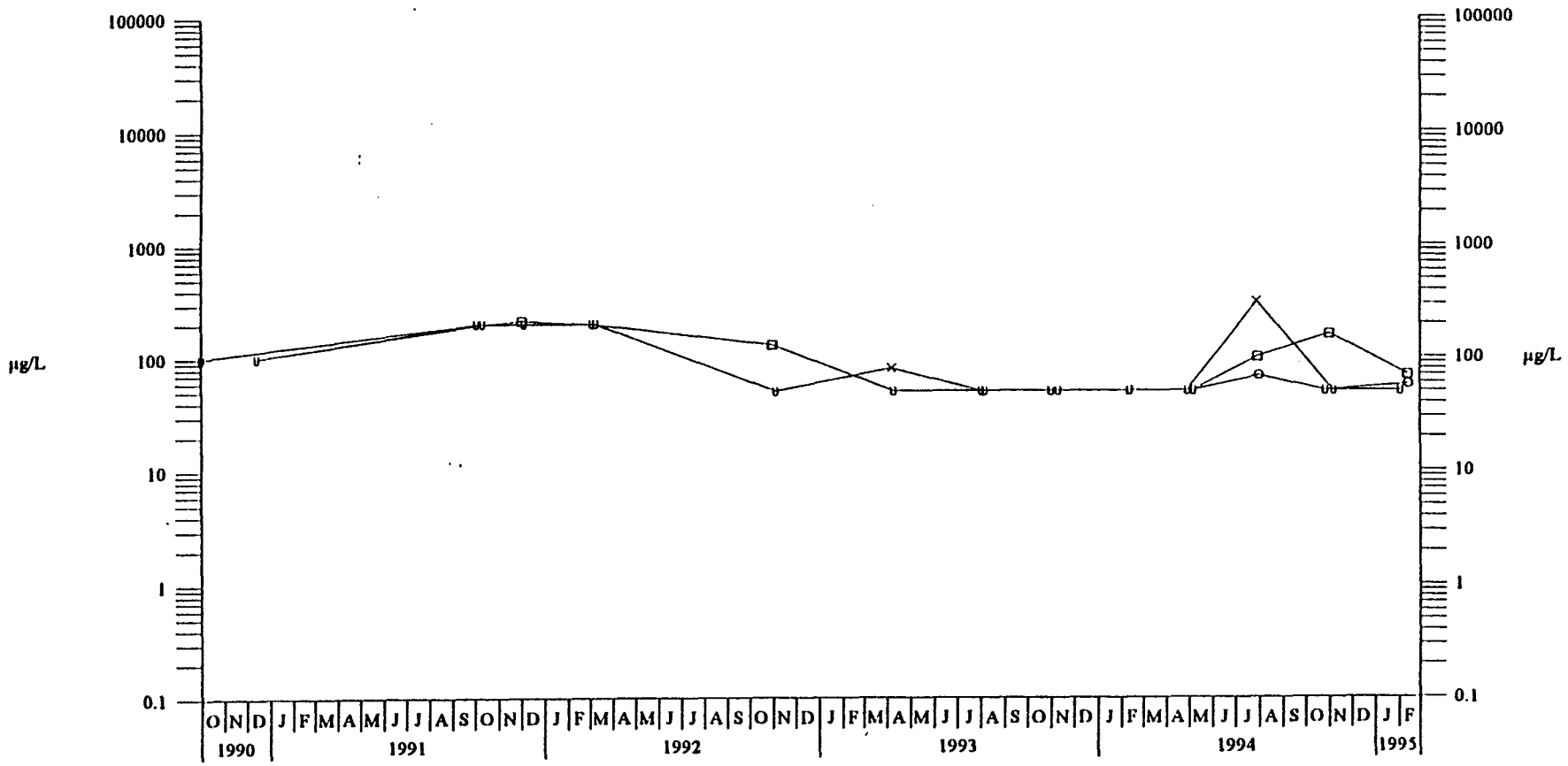
× - Well 937GW01(Shallow)
○ - Well 937GW22(Shallow)
□ - Well 937GW28(Shallow)
◇ - Well 937GW33(Shallow)
u - UNDETECTED

DAMES & MOORE

PRESIDIO REMEDIAL INVESTIGATION

Date: January 1997 | Figure: 6.5-57

BUILDING 900s SERIES STUDY AREA
SUM OF CONCENTRATIONS OF CHLORINATED DEGRADATION PRODUCTS:
12DCE, cis/trans-12DCE, AND VC
SHALLOW WELLS: 937GW01, 937GW22, 937GW28, 937GW33
ps-sha-d.cgf



EXPLANATION

× - Well 937GW06 (Shallow)
o - Well 937GW42(Intermediate)
□ - Well 937GW32/32R(Deep)
u - UNDETECTED

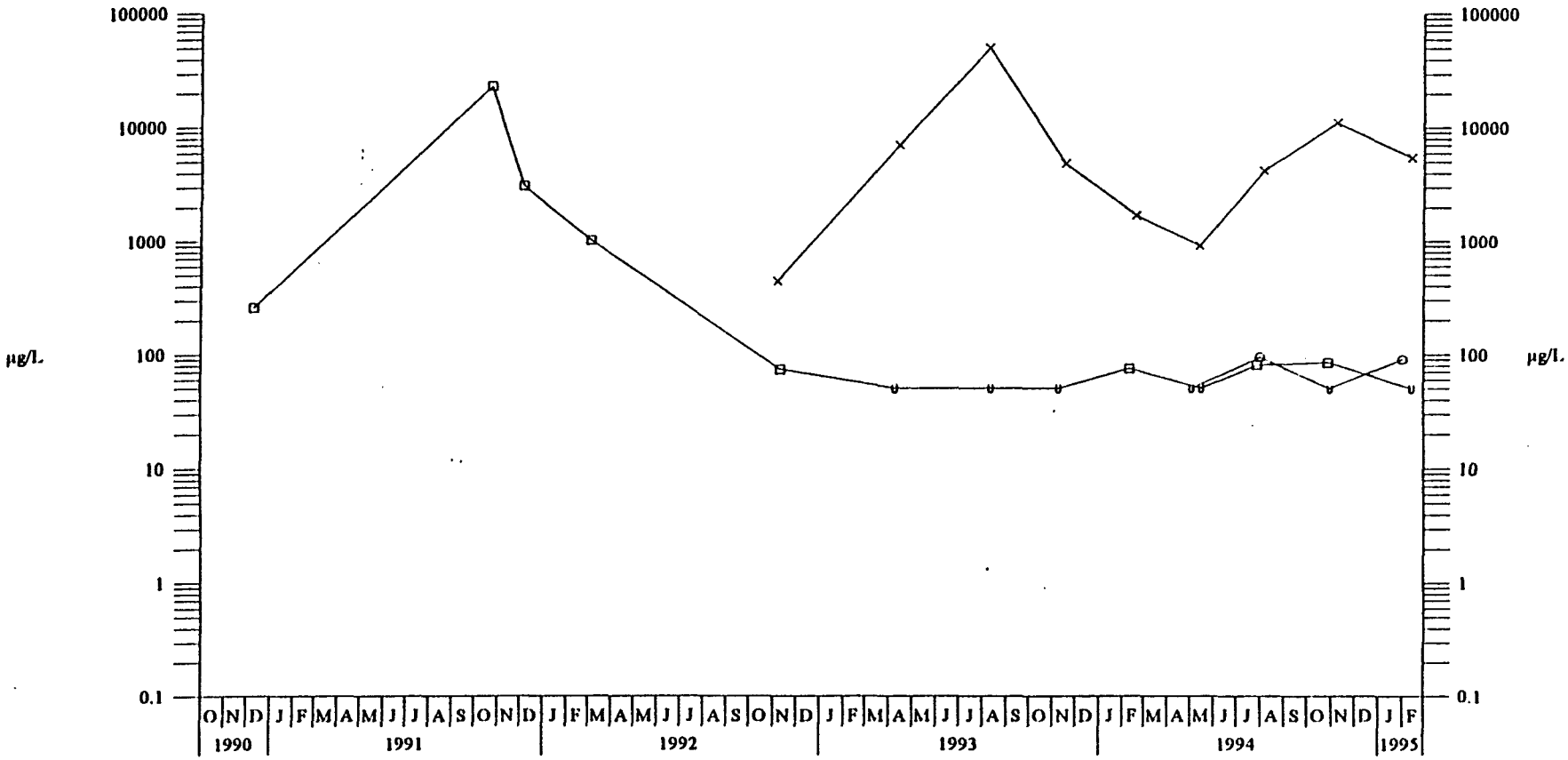
DAMES & MOORE

PRESIDIO REMEDIAL INVESTIGATION

Date: January 1997 | Figure: 6.5-58

BUILDING 900s SERIES STUDY AREA
CONCENTRATIONS OF TOTAL PETROLEUM HYDROCARBONS
WELL CLUSTER: 937GW06, 937GW32/32R, 937GW42

ps-co6-t.cgf



EXPLANATION

× - Well 937GW36 (Shallow)
o - Well 937GW41(Intermediate)
□ - Well 937GW31(Deep)
u - UNDETECTED

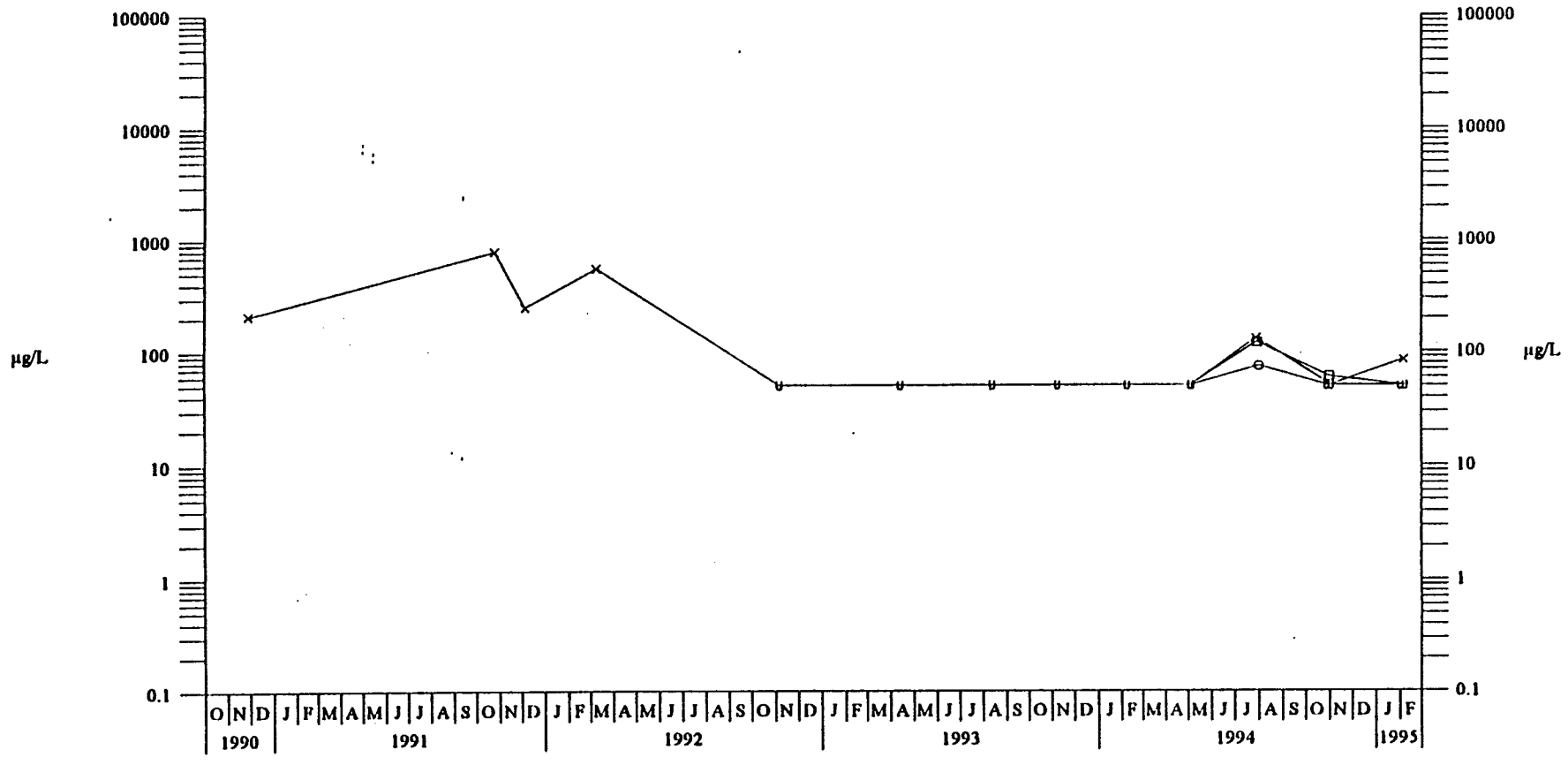
DAMES & MOORE

PRESIDIO REMEDIAL INVESTIGATION

Date: January 1997 | Figure: 6.5-59

BUILDING 900s SERIES STUDY AREA
CONCENTRATIONS OF TOTAL PETROLEUM HYDROCARBONS
WELL CLUSTER: 937GW31, 937GW36, 937GW41

ps-c31-t.cgf



EXPLANATION

× - Well 937GW28(Shallow)
o - Well 937GW43(Intermediate)
□ - Well 937GW40(Deep)
u - UNDETECTED

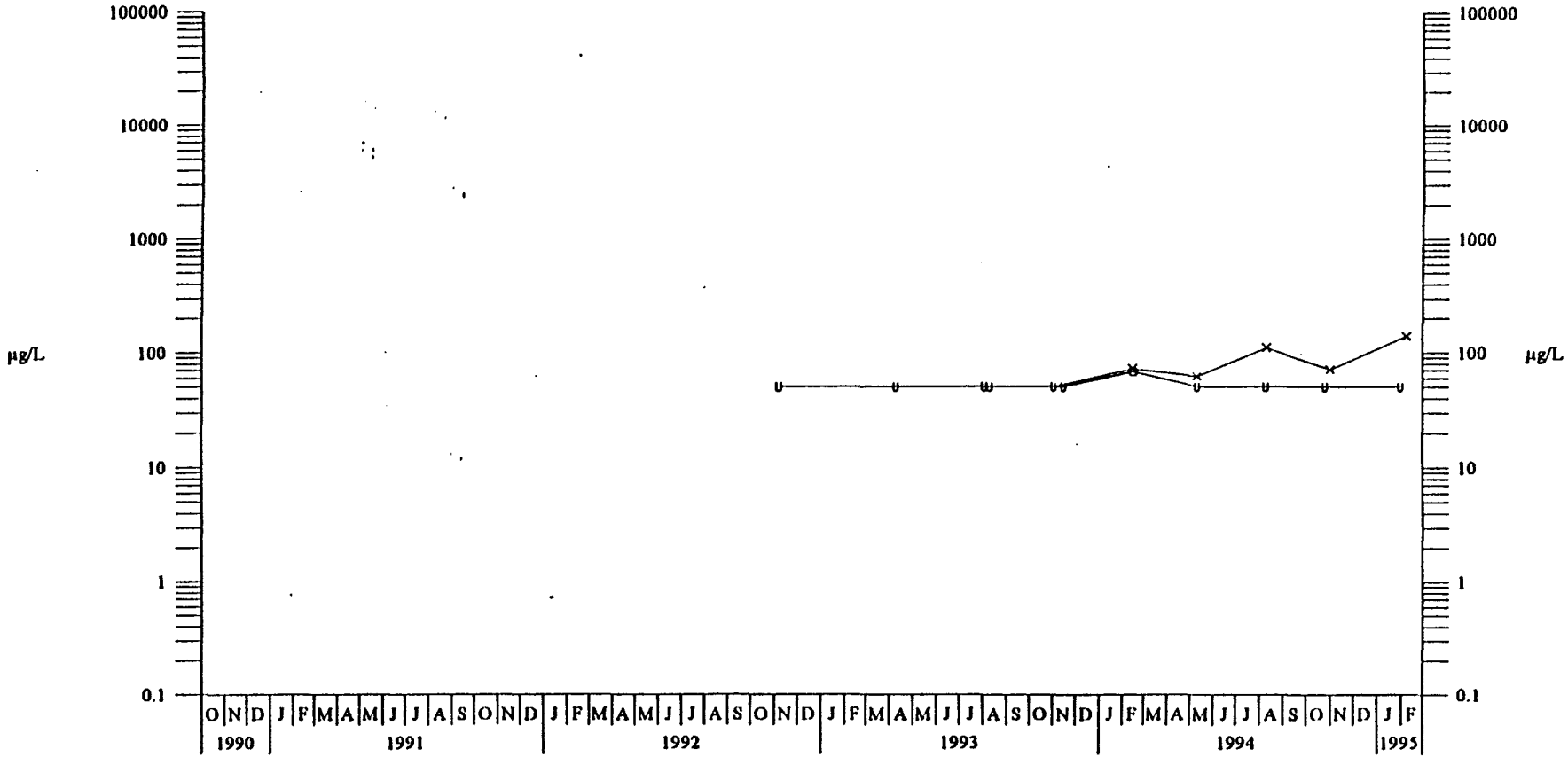
DAMES & MOORE

PRESIDIO REMEDIAL INVESTIGATION

Date: January 1997 | Figure: 6.5-60

BUILDING 900s SERIES STUDY AREA
CONCENTRATIONS OF TOTAL PETROLEUM HYDROCARBONS
WELL CLUSTER: 937GW28, 937GW40, 937GW43

ps-c28-t.cgf



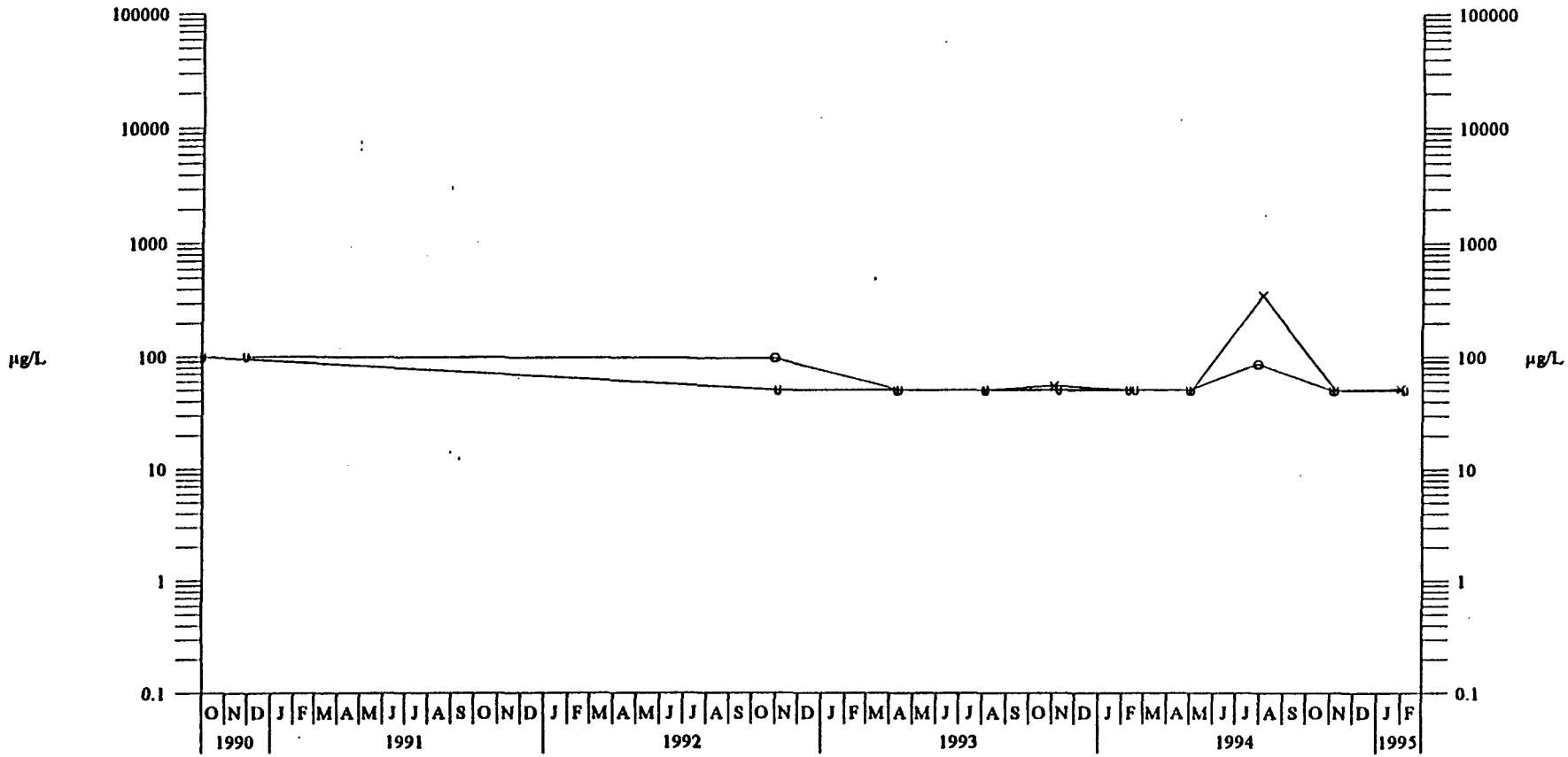
DAMES & MOORE

PRESIDIO REMEDIAL INVESTIGATION

Date: January 1997 | Figure: 6.5-61

BUILDING 900s SERIES STUDY AREA
CONCENTRATIONS OF TOTAL PETROLEUM HYDROCARBONS
WELL CLUSTER: 937GW12, 937GW38

ps-c12-t.cgf



EXPLANATION

× - Well 937GW15(Shallow)
o - Well 937GW29(Deep)
u - UNDETECTED

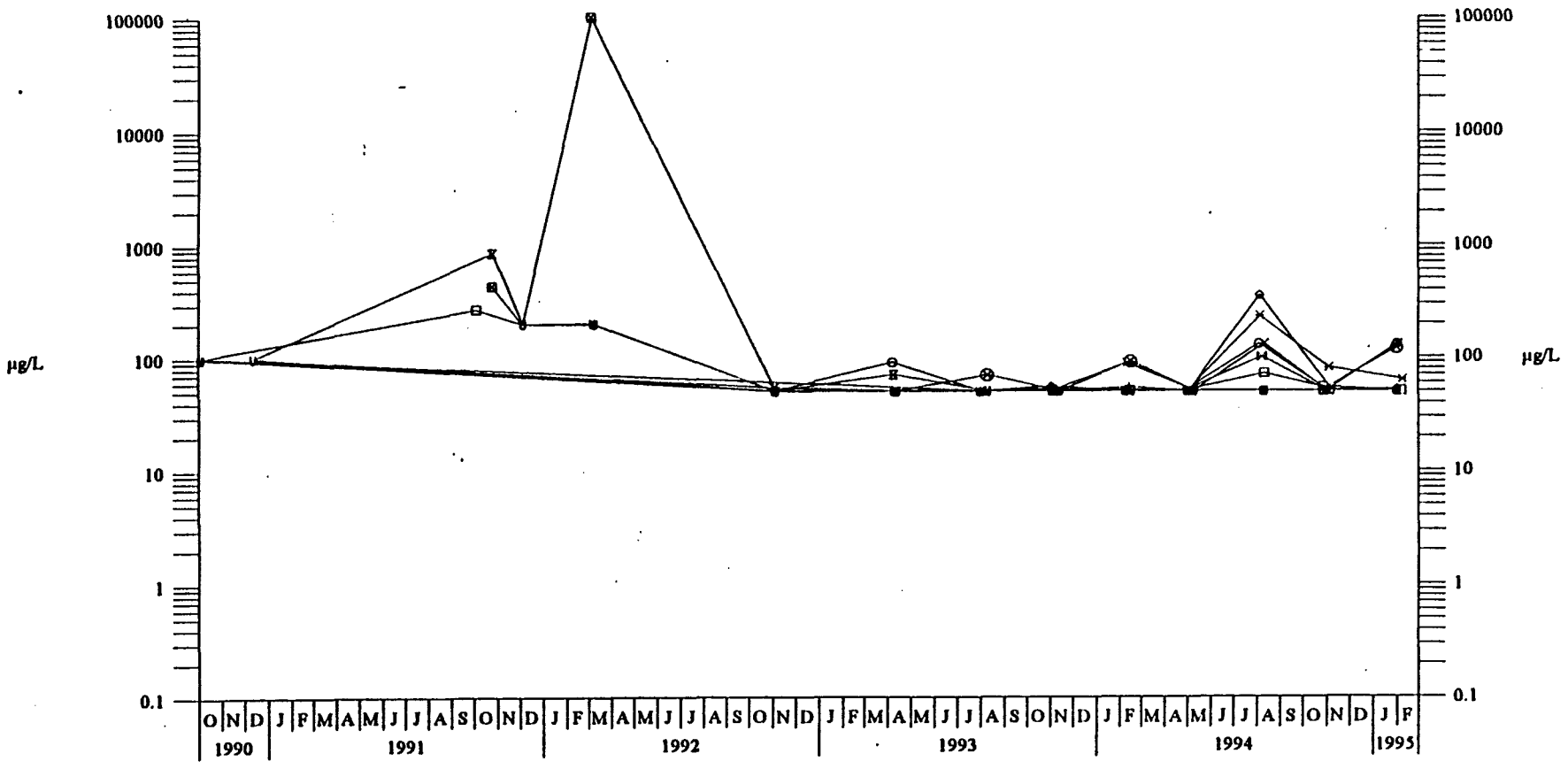
DAMES & MOORE

PRESIDIO REMEDIAL INVESTIGATION

Date: January 1997 | Figure: 6.5-62

BUILDING 900s SERIES STUDY AREA
CONCENTRATIONS OF TOTAL PETROLEUM HYDROCARBONS
WELL CLUSTER: 937GW15, 937GW29

ps-c15-t.cgf



EXPLANATION

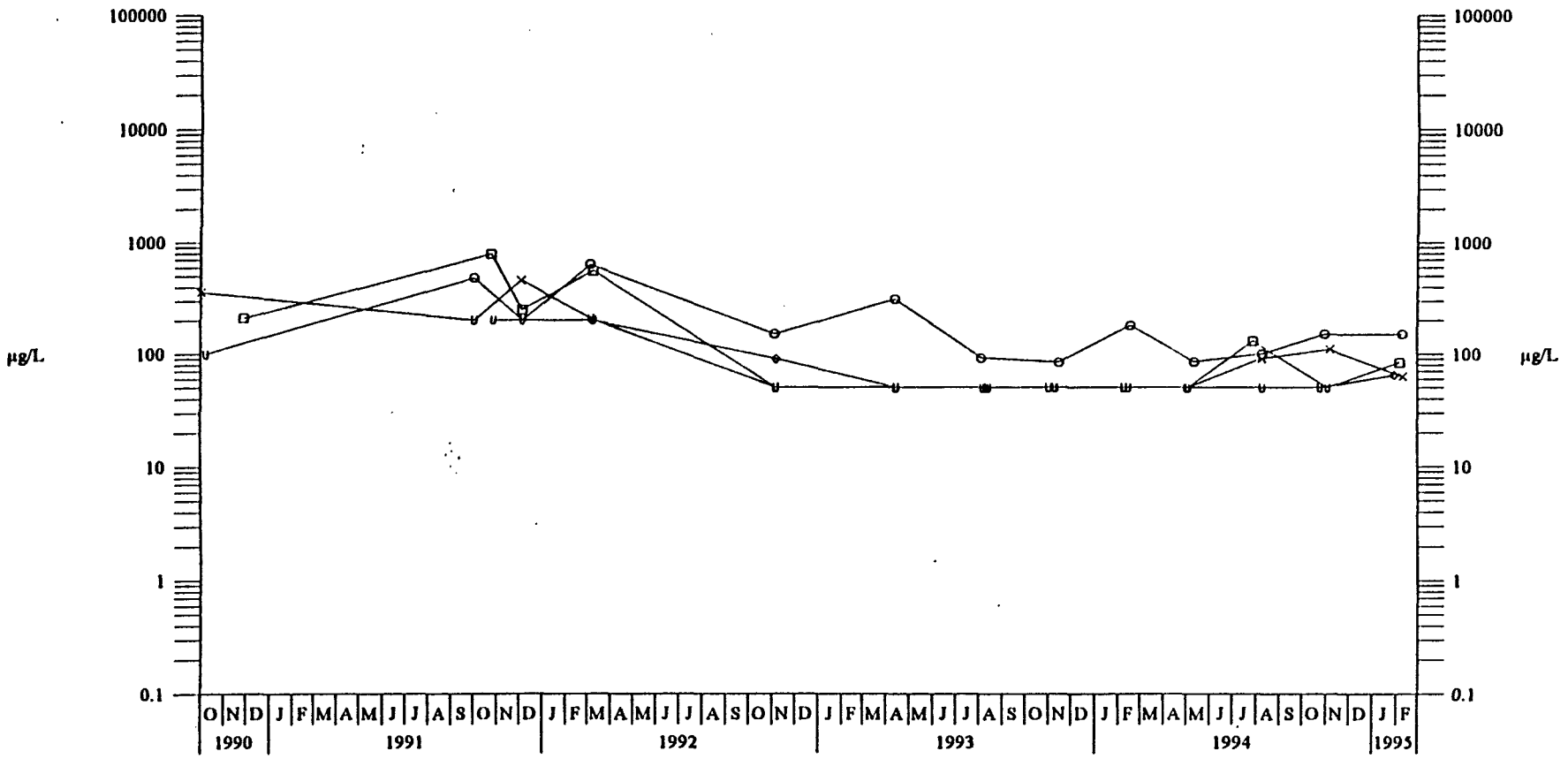
- × - Well 937GW07(Shallow)
- o - Well 937GW08(Shallow)
- □ - Well 937GW10(Shallow)
- ◇ - Well 937GW15(Shallow)
- + - Well 937GW16(Shallow)
- ⋇ - Well 937GW17(Shallow)
- ⧗ - Well 937GW23(Shallow)
- ⋈ - Well 937GW24(Shallow)
- ⊠ - Well 937GW35(Shallow)
- ⊗ - Well 937GW39(Deep)
- u - UNDETECTED

DAMES & MOORE

PRESIDIO REMEDIAL INVESTIGATION

Date: January 1997 | Figure: 6.5-63

BUILDING 900s SERIES STUDY AREA
CONCENTRATIONS OF TOTAL PETROLEUM HYDROCARBONS
COASTAL WELLS: 937GW07, 937GW08, 937GW10, 937GW15, 937GW16, 937GW17, 937GW23, 937GW24, 937GW35, 937GW39
ps-cos-t.cgf



EXPLANATION

× - Well 937GW01(Shallow)
o - Well 937GW22(Shallow)
□ - Well 937GW28(Shallow)
◇ - Well 937GW33(Shallow)
u - UNDETECTED

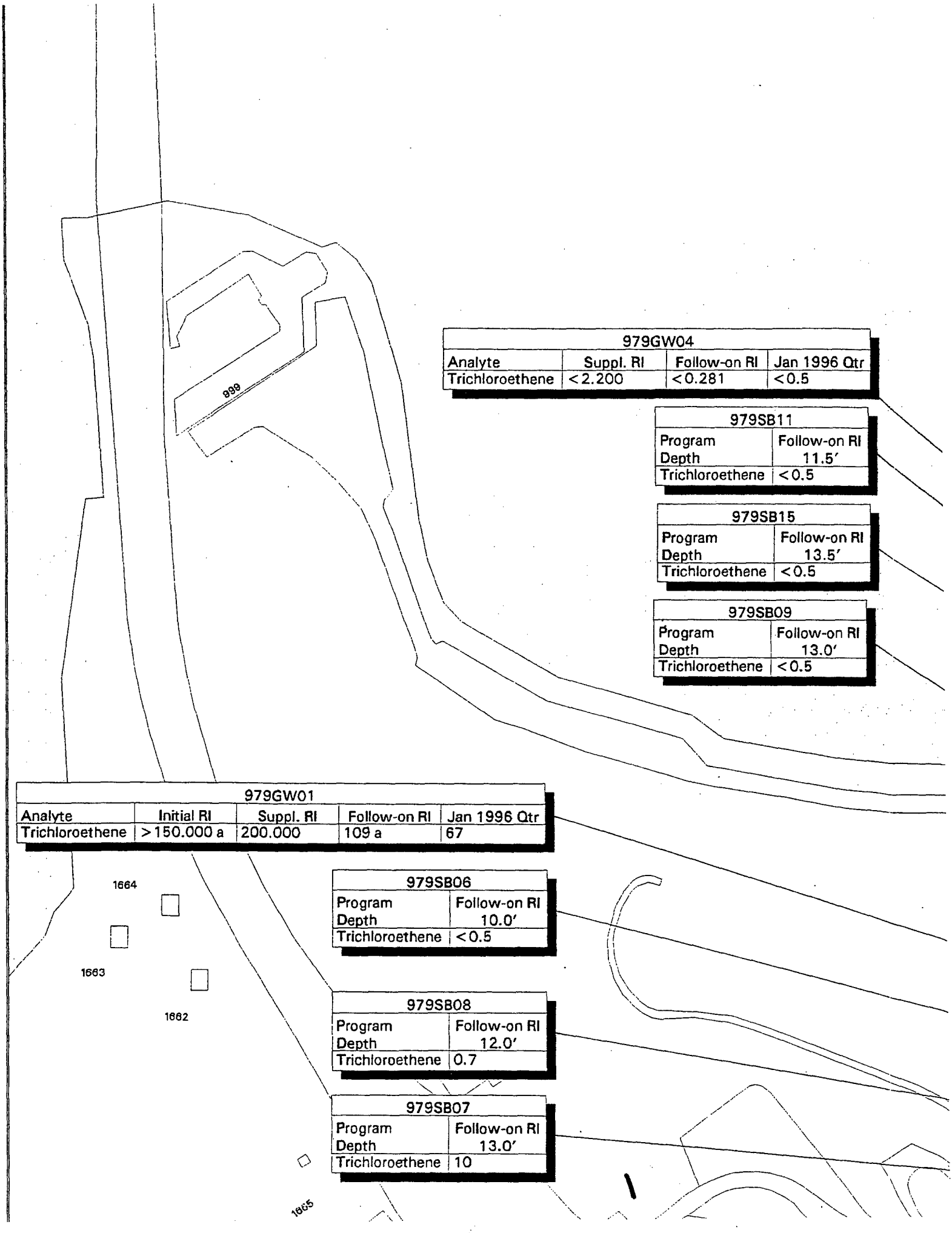
DAMES & MOORE

PRESIDIO REMEDIAL INVESTIGATION

Date: January 1997 | Figure: 6.5-64

BUILDING 900s SERIES STUDY AREA
CONCENTRATIONS OF TOTAL PETROLEUM HYDROCARBONS
SHALLOW WELLS: 937GW01, 937GW22, 937GW28, 937GW33

ps-sha-t.cgf



979GW04			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Trichloroethene	< 2.200	< 0.281	< 0.5

979SB11	
Program	Follow-on RI
Depth	11.5′
Trichloroethene	< 0.5

979SB15	
Program	Follow-on RI
Depth	13.5′
Trichloroethene	< 0.5

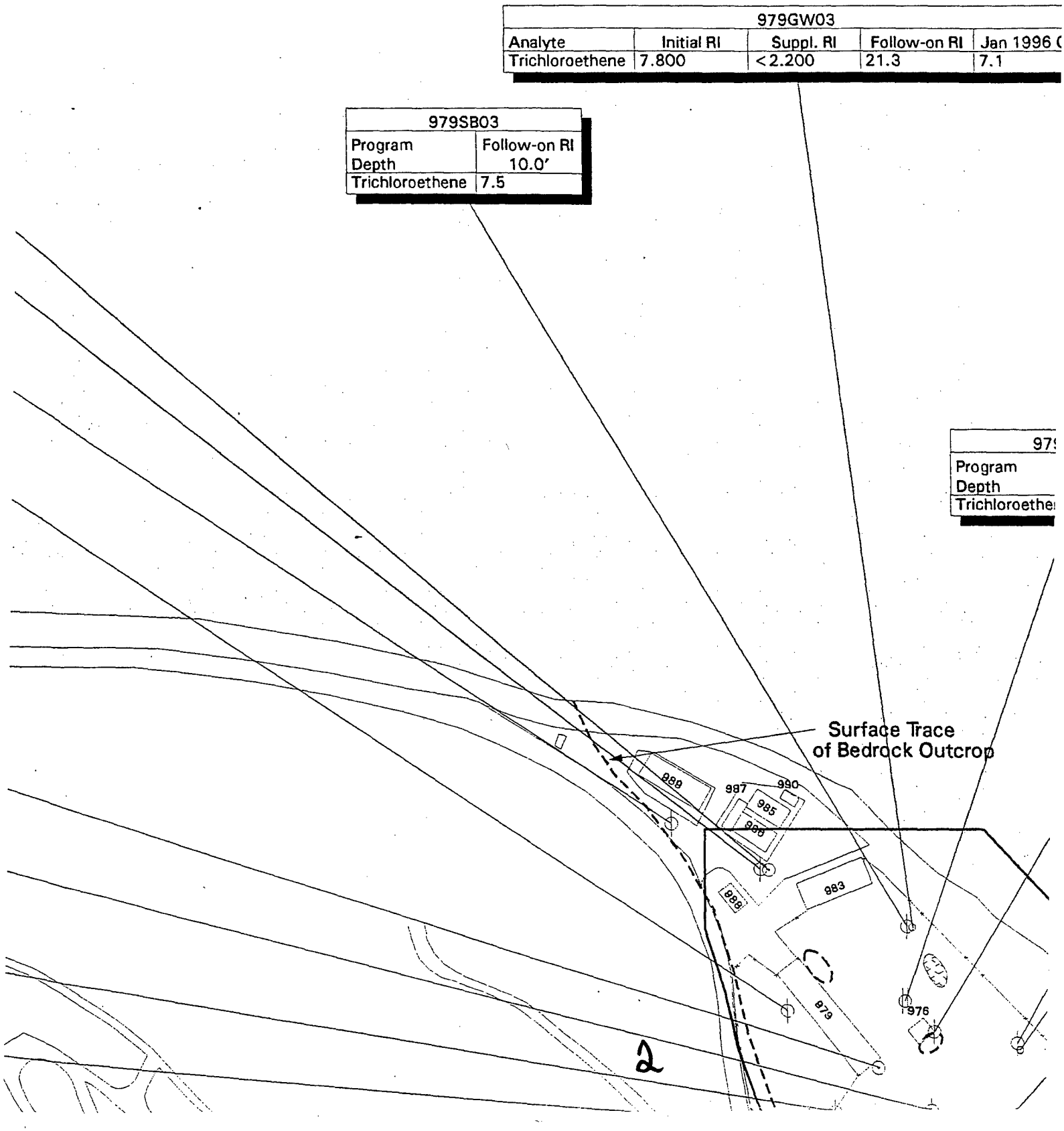
979SB09	
Program	Follow-on RI
Depth	13.0′
Trichloroethene	< 0.5

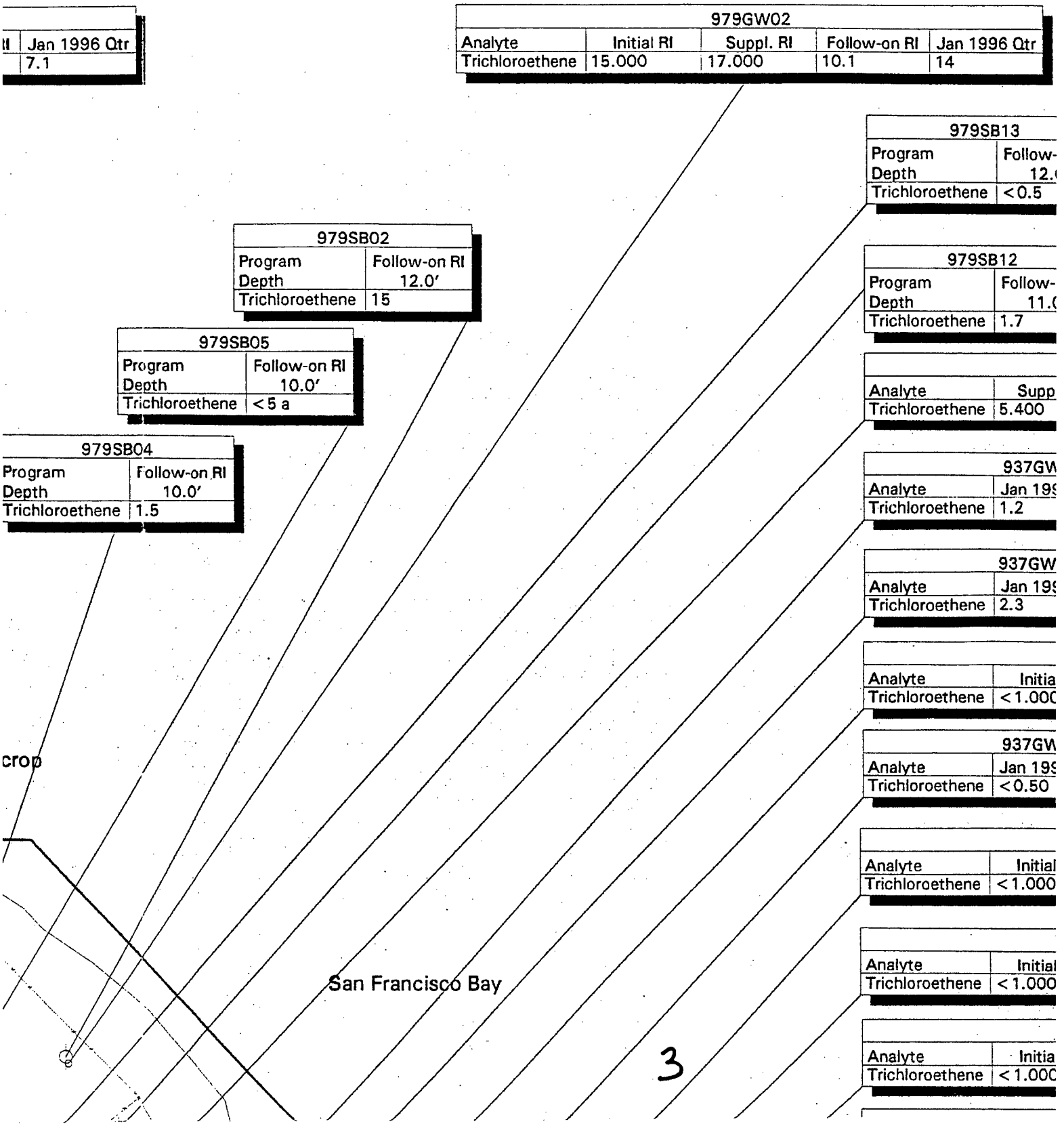
979GW01				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Trichloroethene	> 150.000 a	200.000	109 a	67

979SB06	
Program	Follow-on RI
Depth	10.0′
Trichloroethene	< 0.5

979SB08	
Program	Follow-on RI
Depth	12.0′
Trichloroethene	0.7

979SB07	
Program	Follow-on RI
Depth	13.0′
Trichloroethene	10


979GW03
Analyte | Initial RI | Suppl. RI | Follow-on RI | Jan 1996 (
Trichloroethene | 7.800 | < 2.200 | 21.3 | 7.1
979SB03
Program | Follow-on RI
Depth | 10.0'
Trichloroethene | 7.5
979
Program
Depth
Trichloroethe
Surface Trace
of Bedrock Outcrop
988
987
990
985
986
983
988
979
976
2


Jan 1996 Qtr
7.1
979GW02
Analyte | Initial RI | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Trichloroethene | 15.000 | 17.000 | 10.1 | 14
979SB13
Program | Follow-
Depth | 12.
Trichloroethene | < 0.5
979SB02
Program | Follow-on RI
Depth | 12.0'
Trichloroethene | 15
979SB12
Program | Follow-
Depth | 11.
Trichloroethene | 1.7
979SB05
Program | Follow-on RI
Depth | 10.0'
Trichloroethene | < 5 a
Analyte | Supp
Trichloroethene | 5.400
979SB04
Program | Follow-on RI
Depth | 10.0'
Trichloroethene | 1.5
937GW
Analyte | Jan 19
Trichloroethene | 1.2
937GW
Analyte | Jan 19
Trichloroethene | 2.3
Analyte | Initia
Trichloroethene | < 1.000
937GW
Analyte | Jan 19
Trichloroethene | < 0.50
crop
Analyte | Initial
Trichloroethene | < 1.000
San Francisco Bay
Analyte | Initial
Trichloroethene | < 1.000
Analyte | Initia
Trichloroethene | < 1.000
3

n 1996 Qtr

)79SB13	
	Follow-on RI 12.0′
ıene	<0.5

79SB12	
	Follow-on RI 11.0′
ɜne	1.7

979GW07			
	Suppl. RI	Follow-on RI	Jan 1996 Qtr
ıne	5.400	2.74	6.0

937GW35		
	Jan 1995 Qtr	Jan 1996 Qtr
ne	1.2	1.9

937GW34R		
	Jan 1995 Qtr	Jan 1996 Qtr
ıe	2.3	20

937GW23			
	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
ıe	<1.000	<0.50	<0.50

937GW33		
	Jan 1995 Qtr	Jan 1996 Qtr
e	<0.50	<0.50

937GW10			
	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
:	<1.000	<0.50	<0.50

937GW06		
Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
<1.000	<0.50	<0.50

937GW24		
Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
<1.000	<0.50	<0.50

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SHAL
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SHALI SOIL S
APPRC REMO
APPRC FORMI
STAINE

NOTES: 1. ALL CONC

2. DATA FOC ARE INCLUD SECTION.

3. * ADDITIC BY MONTGO

4

EXPLANATION

DISCRETE GROUNDWATER SAMPLE

SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE

SHALLOW MONITORING WELL

MONTGOMERY WATSON SHALLOW MONITORING WELL

SHALLOW MONITORING WELL WITH SOIL SAMPLES

APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA

APPROXIMATE LOCATIONS OF FORMER USTs

STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/L.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

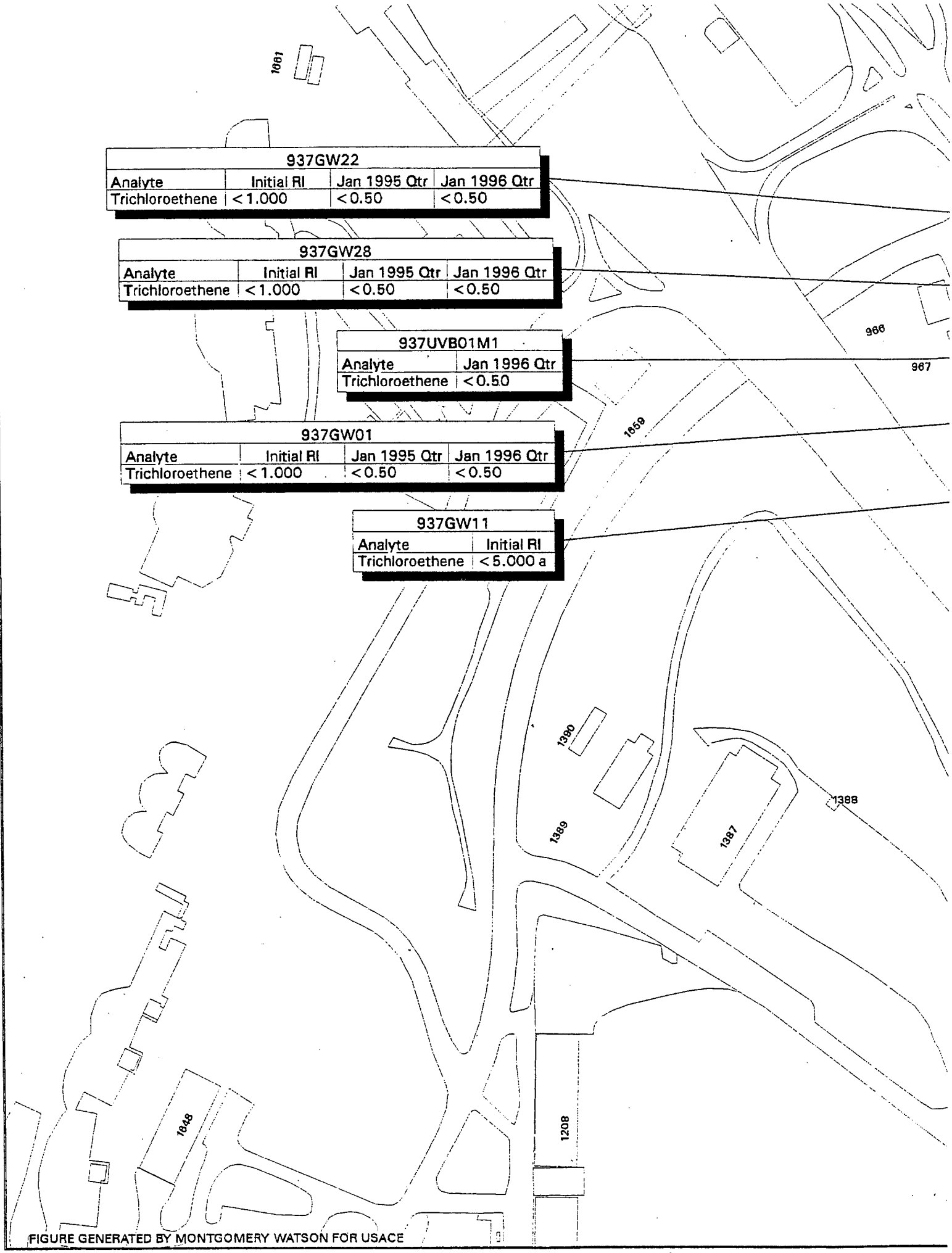
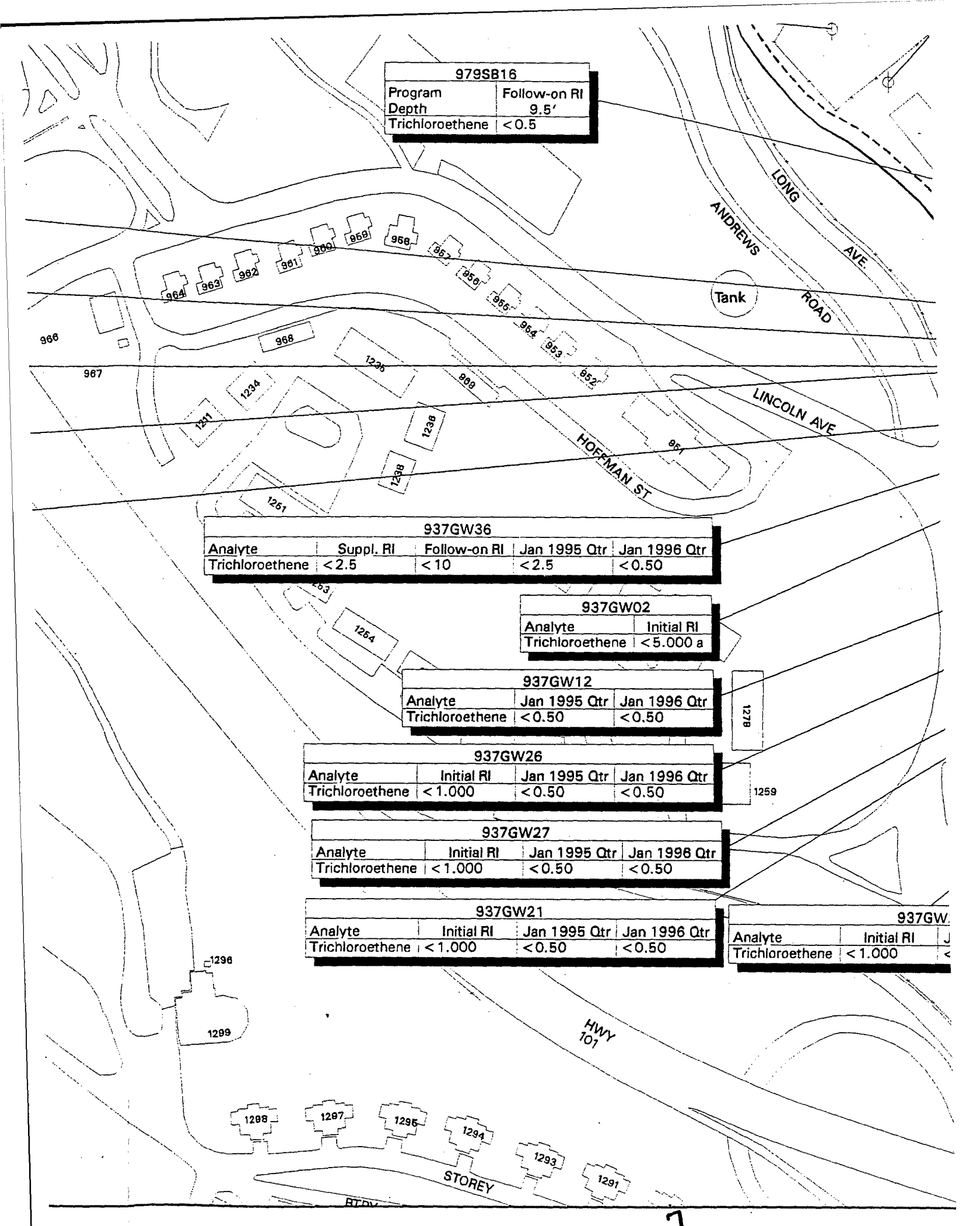


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

27 Dec 96 08:38:23 Friday, base_xxxx_11x17_VA_mwm_grayscale_xxxx_11.tif


979SB16
Program | Follow-on RI
Depth | 9.5'
Trichloroethene | < 0.5
937GW36
Analyte | Suppl. RI | Follow-on RI | Jan 1995 Qtr | Jan 1996 Qtr
Trichloroethene | < 2.5 | < 10 | < 2.5 | < 0.50
937GW02
Analyte | Initial RI
Trichloroethene | < 5.000 a
937GW12
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Trichloroethene | < 0.50 | < 0.50
937GW26
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Trichloroethene | < 1.000 | < 0.50 | < 0.50
937GW27
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Trichloroethene | < 1.000 | < 0.50 | < 0.50
937GW21
Analyte | Initial RI | Jan 1995 Qtr | Jan 1996 Qtr
Trichloroethene | < 1.000 | < 0.50 | < 0.50
937GW
Analyte | Initial RI
Trichloroethene | < 1.000
ANDREWS
LONG AVE.
ROAD
Tank
LINCOLN AVE
HOFFMAN ST
HWY 101
STOREY
964
963
962
961
960
959
958
957
956
955
954
953
952
951
968
967
966
1234
1241
1238
1236
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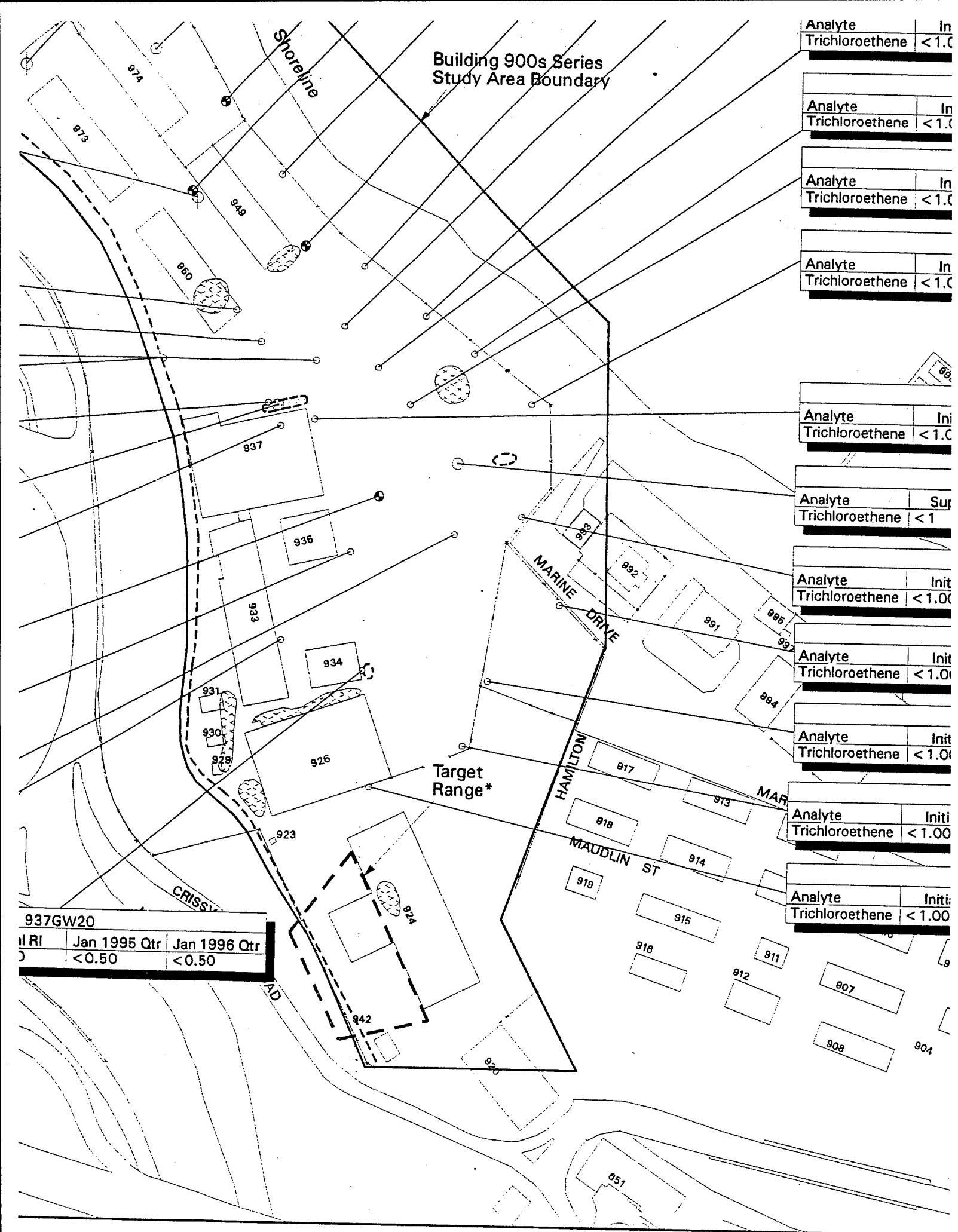
1293
1291


Shoreline
Building 900s Series
Study Area Boundary
Target
Range*
MARINE DRIVE
HAMILTON
MAUDLIN ST
CRISSY
974
973
949
960
937
935
933
934
931
930
929
926
923
924
942
920
892
991
985
984
917
913
918
914
919
915
916
911
912
907
908
904
651
Analyte | Trichloroethene | < 1.0
Analyte | Trichloroethene | < 1.0
Analyte | Trichloroethene | < 1.0
Analyte | Trichloroethene | < 1.0
Analyte | Trichloroethene | < 1.0
Analyte | Trichloroethene | < 1
Analyte | Trichloroethene | < 1.00
Analyte | Trichloroethene | < 1.00
Analyte | Trichloroethene | < 1.00
Analyte | Trichloroethene | < 1.00
Analyte | Trichloroethene | < 1.00
937GW20
Jan 1995 Qtr | Jan 1996 Qtr
<0.50 | <0.50

	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
oethene	< 1.000	< 0.50	< 0.50

937GW08			
	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
oethene	< 1.000	< 0.50	< 0.50

937GW04			
	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
oethene	< 1.000	< 0.50	< 0.50

937GW07			
	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
oethene	< 1.000	< 0.50	< 0.50

937GW03			
	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
oethene	< 1.000	< 12	< 5.0

937GW37			
	Suppl. RI	Jan 1995 Qtr	Jan 1996 Qtr
oethene	< 1	< 0.50	< 0.50

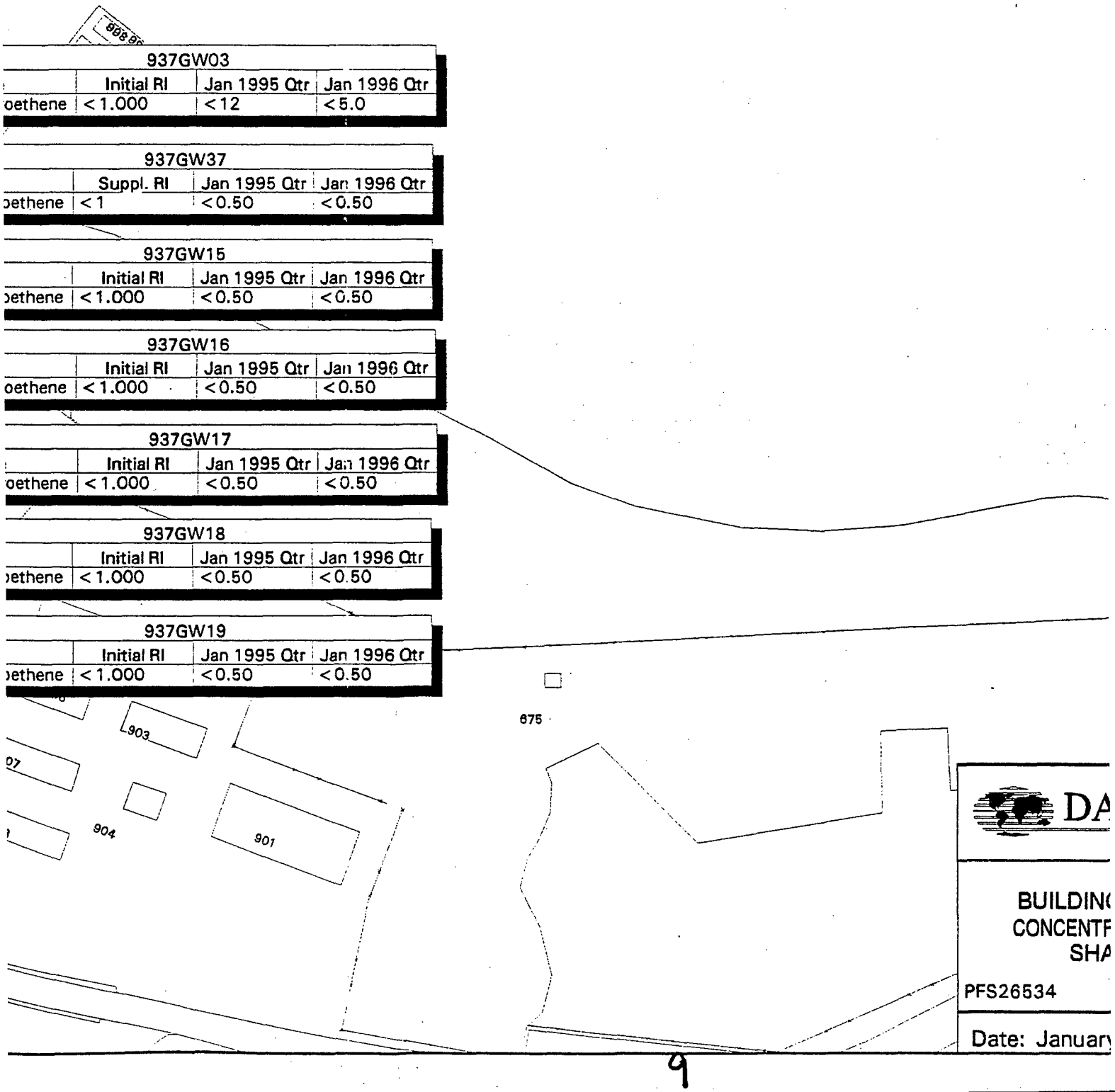
937GW15			
	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
oethene	< 1.000	< 0.50	< 0.50

937GW16			
	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
oethene	< 1.000	< 0.50	< 0.50

937GW17			
	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
oethene	< 1.000	< 0.50	< 0.50

937GW18			
	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
oethene	< 1.000	< 0.50	< 0.50

937GW19			
	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
oethene	< 1.000	< 0.50	< 0.50



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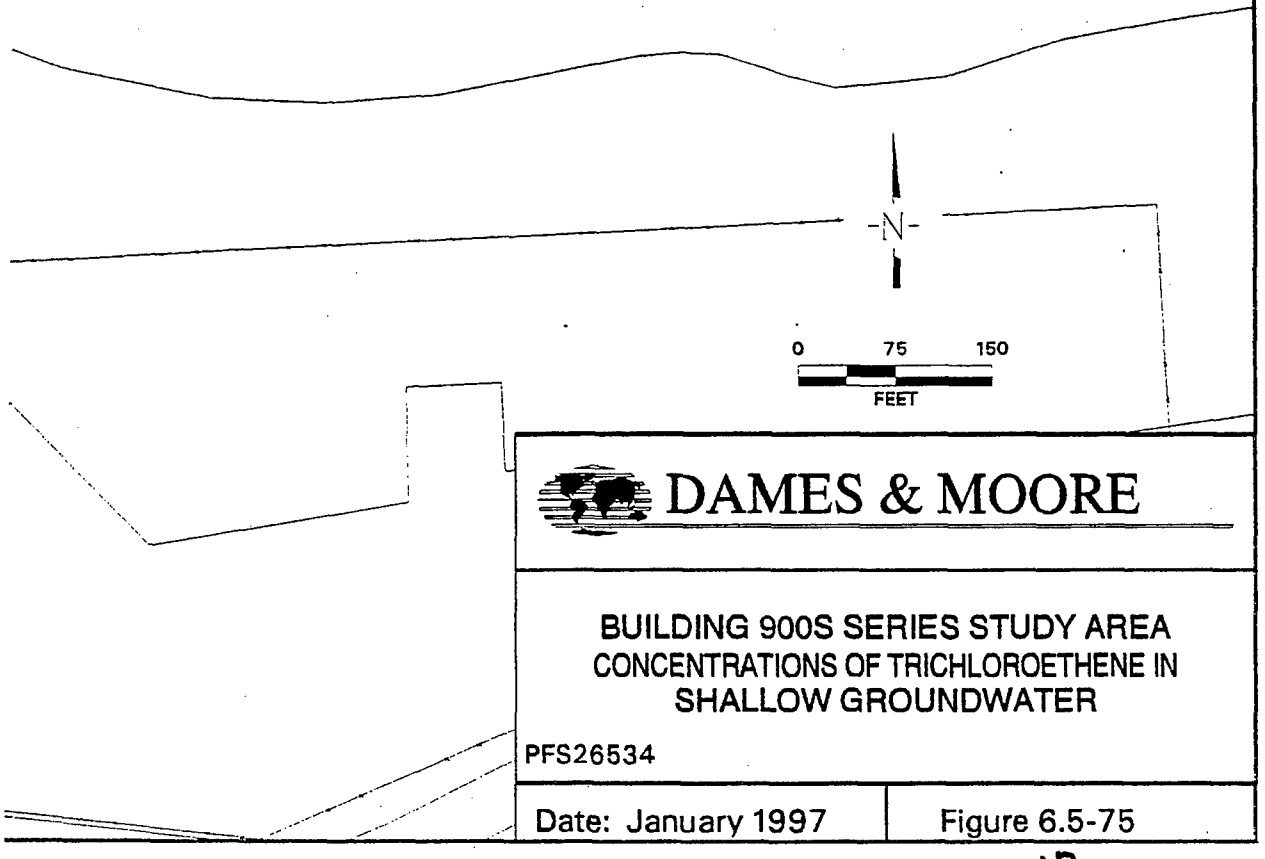
Date: January

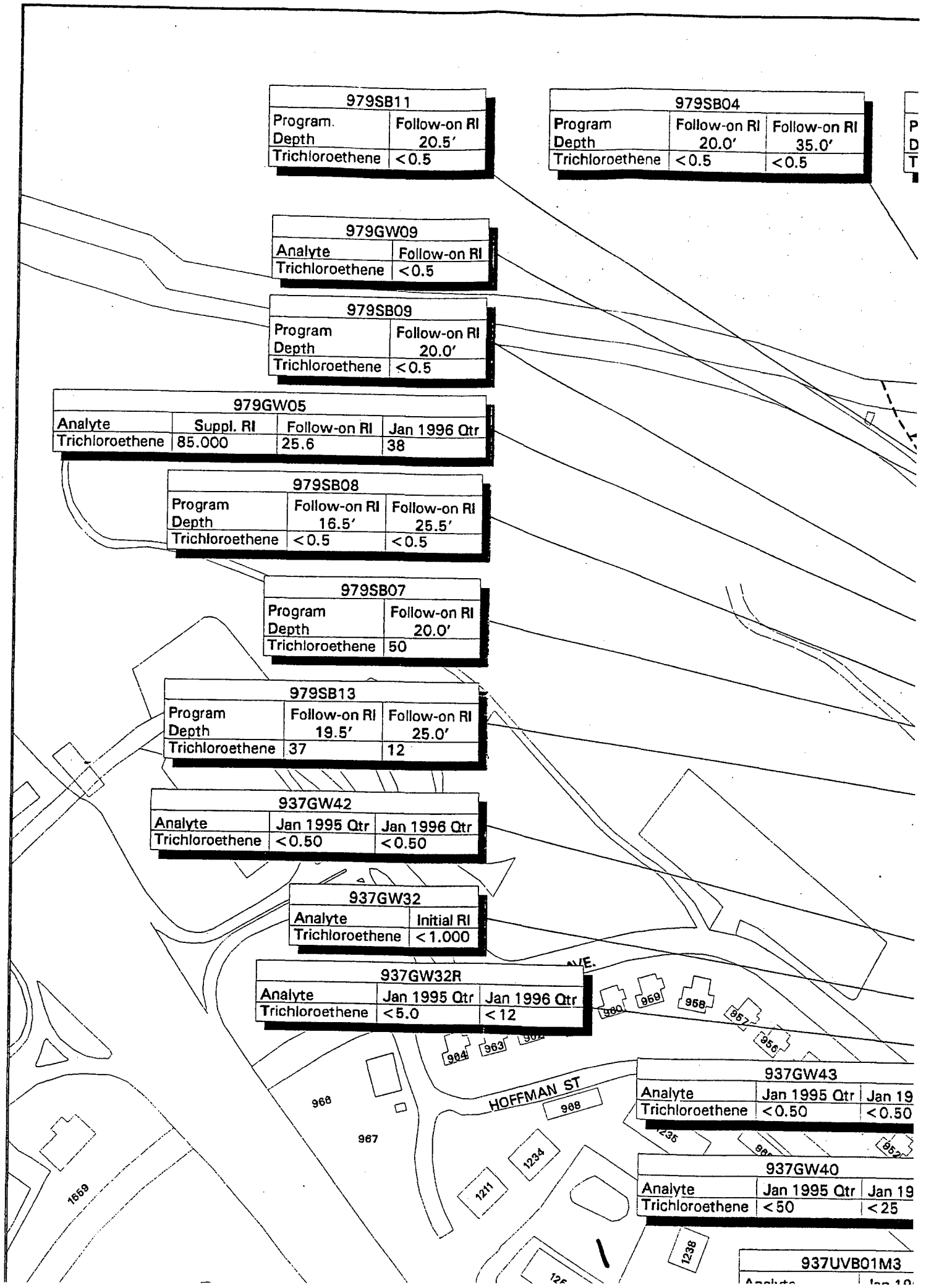


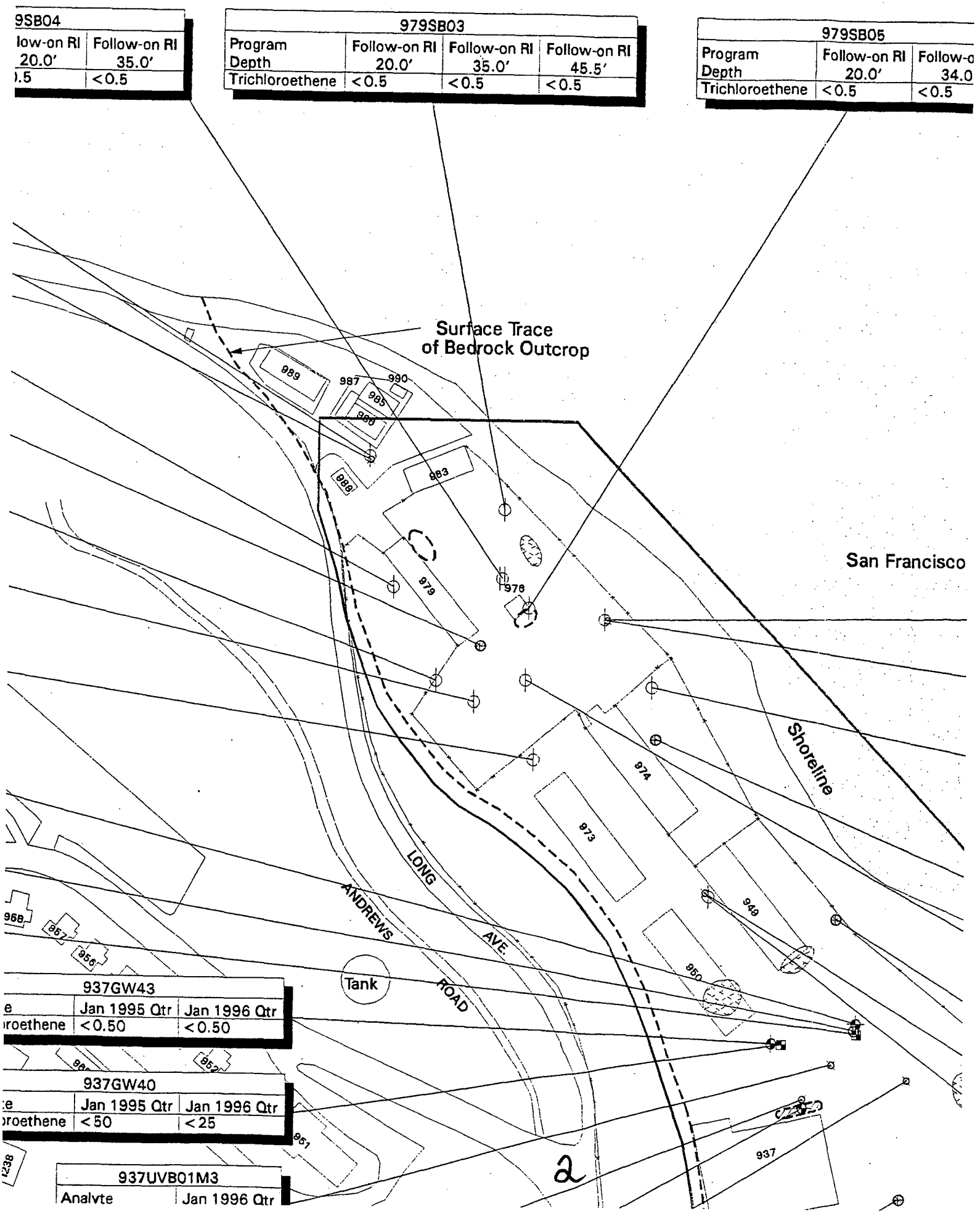
DAMES & MOORE

BUILDING 900S SERIES STUDY AREA
CONCENTRATIONS OF TRICHLOROETHENE IN
SHALLOW GROUNDWATER

PFS26534

Date: January 1997 | Figure 6.5-75


979SB11
Program
Depth
Trichloroethene
Follow-on RI
20.5'
<0.5
979SB04
Program
Depth
Trichloroethene
Follow-on RI
20.0'
<0.5
Follow-on RI
35.0'
<0.5
979GW09
Analyte
Trichloroethene
Follow-on RI
<0.5
979SB09
Program
Depth
Trichloroethene
Follow-on RI
20.0'
<0.5
979GW05
Analyte
Trichloroethene
Suppl. RI
85.000
Follow-on RI
25.6
Jan 1996 Qtr
38
979SB08
Program
Depth
Trichloroethene
Follow-on RI
16.5'
<0.5
Follow-on RI
25.5'
<0.5
979SB07
Program
Depth
Trichloroethene
Follow-on RI
20.0'
50
979SB13
Program
Depth
Trichloroethene
Follow-on RI
19.5'
37
Follow-on RI
25.0'
12
937GW42
Analyte
Trichloroethene
Jan 1995 Qtr
<0.50
Jan 1996 Qtr
<0.50
937GW32
Analyte
Trichloroethene
Initial RI
<1.000
937GW32R
Analyte
Trichloroethene
Jan 1995 Qtr
<5.0
Jan 1996 Qtr
<12
937GW43
Analyte
Trichloroethene
Jan 1995 Qtr
<0.50
Jan 19
<0.50
937GW40
Analyte
Trichloroethene
Jan 1995 Qtr
<50
Jan 19
<25
937UVB01M3
HOFFMAN ST
968
967
988
1659
1234
1211
1238
964
963
960
959
958
957
956


9SB04
low-on RI | Follow-on RI
20.0′ | 35.0′
.5 | <0.5
979SB03
Program Depth | Follow-on RI 20.0′ | Follow-on RI 35.0′ | Follow-on RI 45.5′
Trichloroethene | <0.5 | <0.5 | <0.5
979SB05
Program Depth | Follow-on RI 20.0′ | Follow-o 34.0
Trichloroethene | <0.5 | <0.5
Surface Trace of Bedrock Outcrop
San Francisco
Shoreline
LONG
ANDREWS
AVE.
ROAD
Tank
989
987
990
985
986
988
983
979
976
974
973
949
950
968
957
956
952
951
937
937GW43
e | Jan 1995 Qtr | Jan 1996 Qtr
roethene | <0.50 | <0.50
937GW40
e | Jan 1995 Qtr | Jan 1996 Qtr
roethene | <50 | <25
937UVB01M3
Analyte | Jan 1996 Qtr
2

RI	Follow-on RI
	34.0′
	<0.5

EXPLANATION

- DISCRETE GROUNDWATER SAMPLE
- SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- MONTGOMERY WATSON INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- MONTGOMERY WATSON DEEP MONITORING WELL
- DEEP MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/L.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

Francisco Bay

979SB02			
Program	Follow-on RI	Follow-on RI	Follow-on RI
Depth	18.0′	35.0′	44.5′
Trichloroethene	<0.5	<0.5	<0.5

979GW10		
Analyte	Follow-on RI	Jan 1996 Qtr
Trichloroethene	<0.5	<0.5

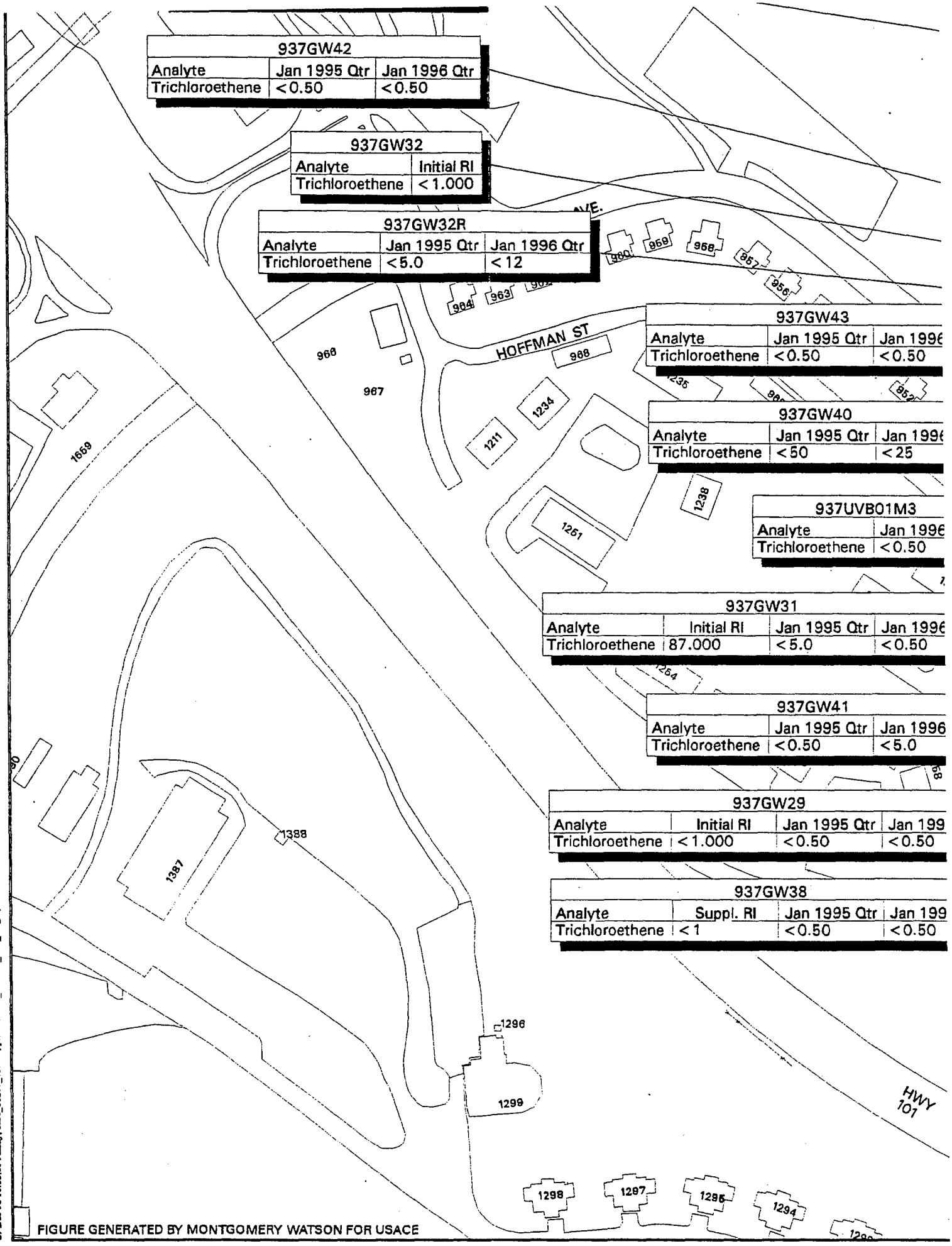
979SB12		
Program	Follow-on RI	Follow-on RI
Depth	27.5′	47.5′
Trichloroethene	<0.5	<0.5

Building 900s Series Study Area Boundary

979GW06			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Trichloroethene	<2.200	1.00	<0.5

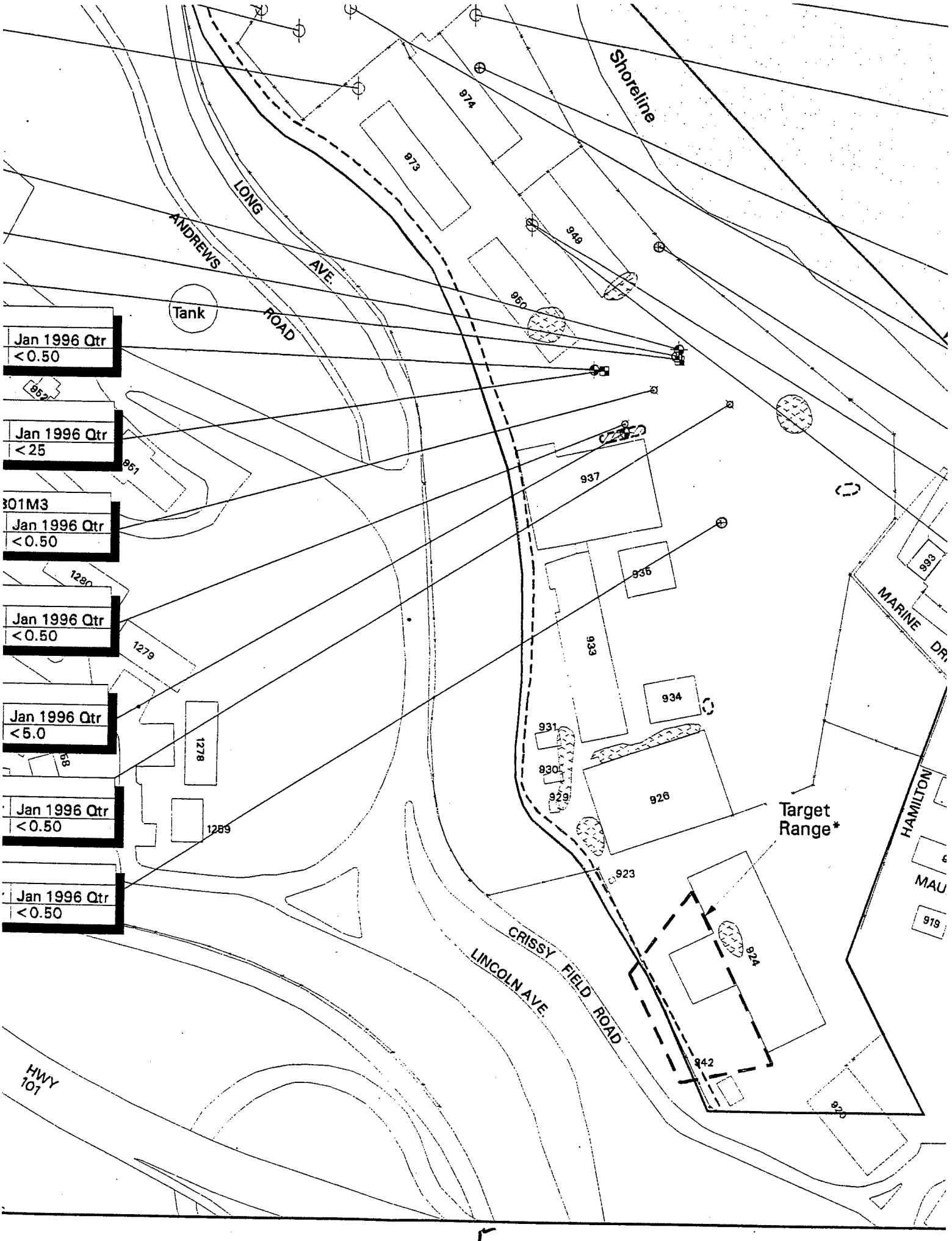
979SB06	
Program	Follow-on RI
Depth	20.0′
Trichloroethene	9.5

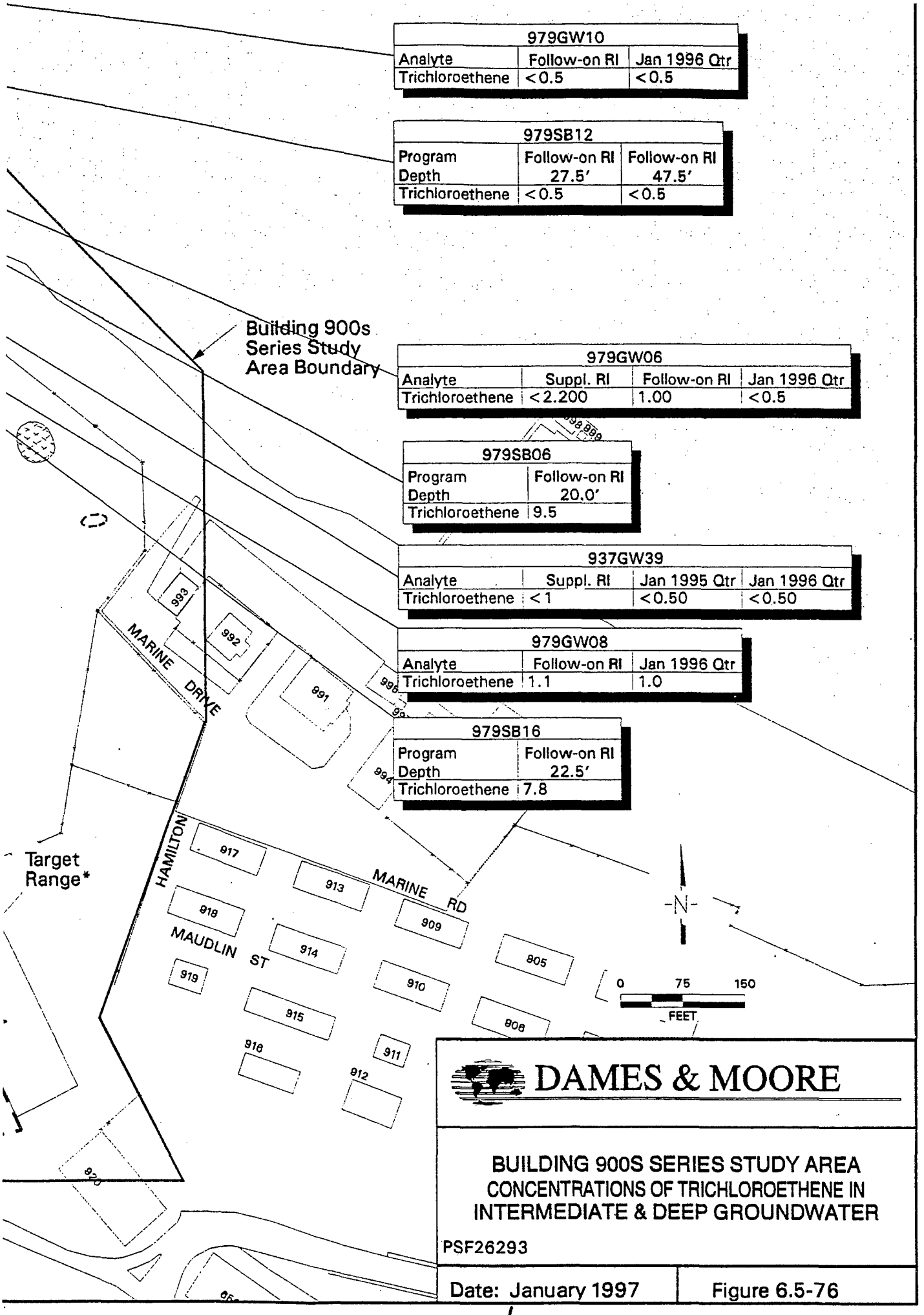
3



27 Dec 96 10:05:11 Friday, base_11x17_v3.aml, plotfile base_B900ID_WH_47.gra, PSF

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


Shoreline
974
973
949
950
LONG
AVE.
ANDREWS
ROAD
Tank
Jan 1996 Qtr
<0.50
952
Jan 1996 Qtr
<25
951
301M3
Jan 1996 Qtr
<0.50
1280
Jan 1996 Qtr
<0.50
1279
Jan 1996 Qtr
<5.0
1278
Jan 1996 Qtr
<0.50
1289
Jan 1996 Qtr
<0.50
937
936
933
934
931
930
929
926
923
Target
Range*
993
MARINE DR
HAMILTON
MAU
919
924
942
920
CRISSY FIELD ROAD
LINCOLN AVE.
HWY
101

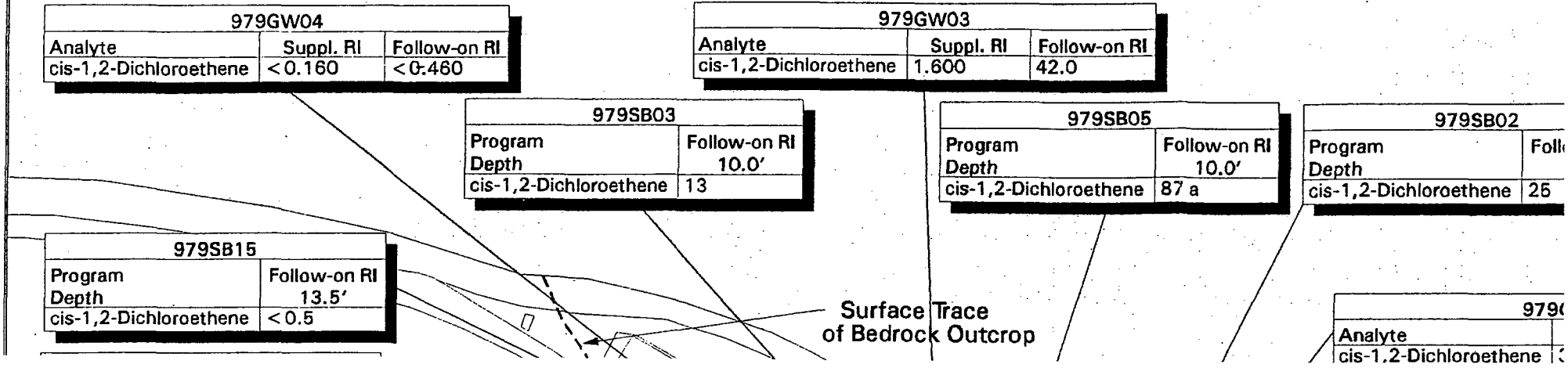


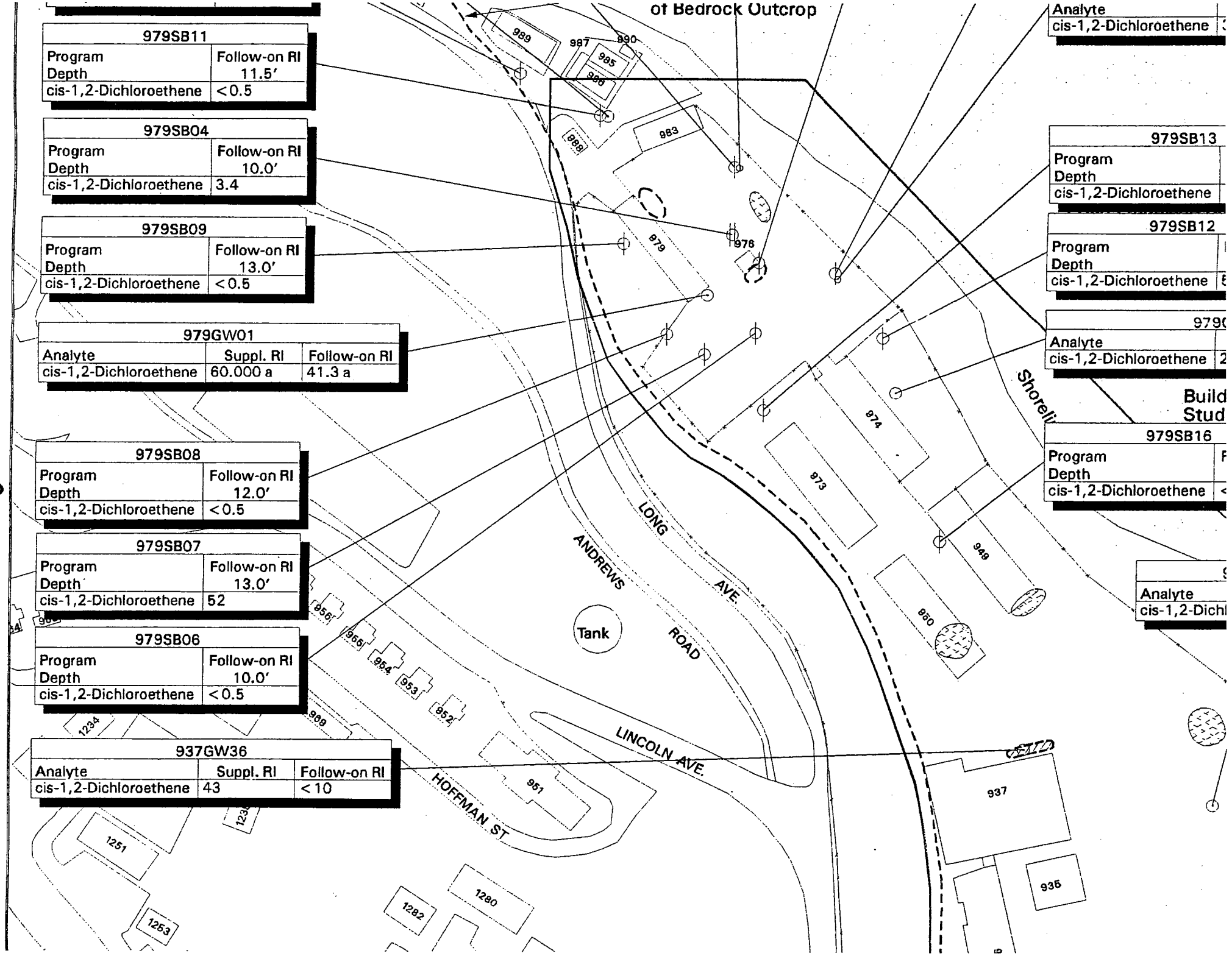
DAMES & MOORE

BUILDING 900S SERIES STUDY AREA
CONCENTRATIONS OF TRICHLOROETHENE IN INTERMEDIATE & DEEP GROUNDWATER

PSF26293

Date: January 1997 | Figure 6.5-76


979GW04
Analyte | Suppl. RI | Follow-on RI
cis-1,2-Dichloroethene | < 0.160 | < 0.460
979GW03
Analyte | Suppl. RI | Follow-on RI
cis-1,2-Dichloroethene | 1.600 | 42.0
979SB03
Program | Follow-on RI
Depth | 10.0'
cis-1,2-Dichloroethene | 13
979SB05
Program | Follow-on RI
Depth | 10.0'
cis-1,2-Dichloroethene | 87 a
979SB02
Program | Foll
Depth
cis-1,2-Dichloroethene | 25
979SB15
Program | Follow-on RI
Depth | 13.5'
cis-1,2-Dichloroethene | < 0.5
Surface Trace
of Bedrock Outcrop
979
Analyte
cis-1,2-Dichloroethene


of Bedrock Outcrop
979SB11
Program | Follow-on RI
Depth | 11.5'
cis-1,2-Dichloroethene | <0.5
979SB04
Program | Follow-on RI
Depth | 10.0'
cis-1,2-Dichloroethene | 3.4
979SB09
Program | Follow-on RI
Depth | 13.0'
cis-1,2-Dichloroethene | <0.5
979GW01
Analyte | Suppl. RI | Follow-on RI
cis-1,2-Dichloroethene | 60.000 a | 41.3 a
979SB08
Program | Follow-on RI
Depth | 12.0'
cis-1,2-Dichloroethene | <0.5
979SB07
Program | Follow-on RI
Depth | 13.0'
cis-1,2-Dichloroethene | 52
979SB06
Program | Follow-on RI
Depth | 10.0'
cis-1,2-Dichloroethene | <0.5
937GW36
Analyte | Suppl. RI | Follow-on RI
cis-1,2-Dichloroethene | 43 | < 10
Analyte
cis-1,2-Dichloroethene
979SB13
Program
Depth
cis-1,2-Dichloroethene
979SB12
Program
Depth
cis-1,2-Dichloroethene
979
Analyte
cis-1,2-Dichloroethene
979SB16
Program
Depth
cis-1,2-Dichloroethene
Analyte
cis-1,2-Dichl
Shoreli
Build
Stud
LONG ANDREWS AVE.
ROAD
Tank
LINCOLN AVE.
HOFFMAN ST
989
987
990
985
986
988
983
979
976
974
973
949
960
956
966
964
953
952
951
1234
1251
1253
1282
1280
937
935

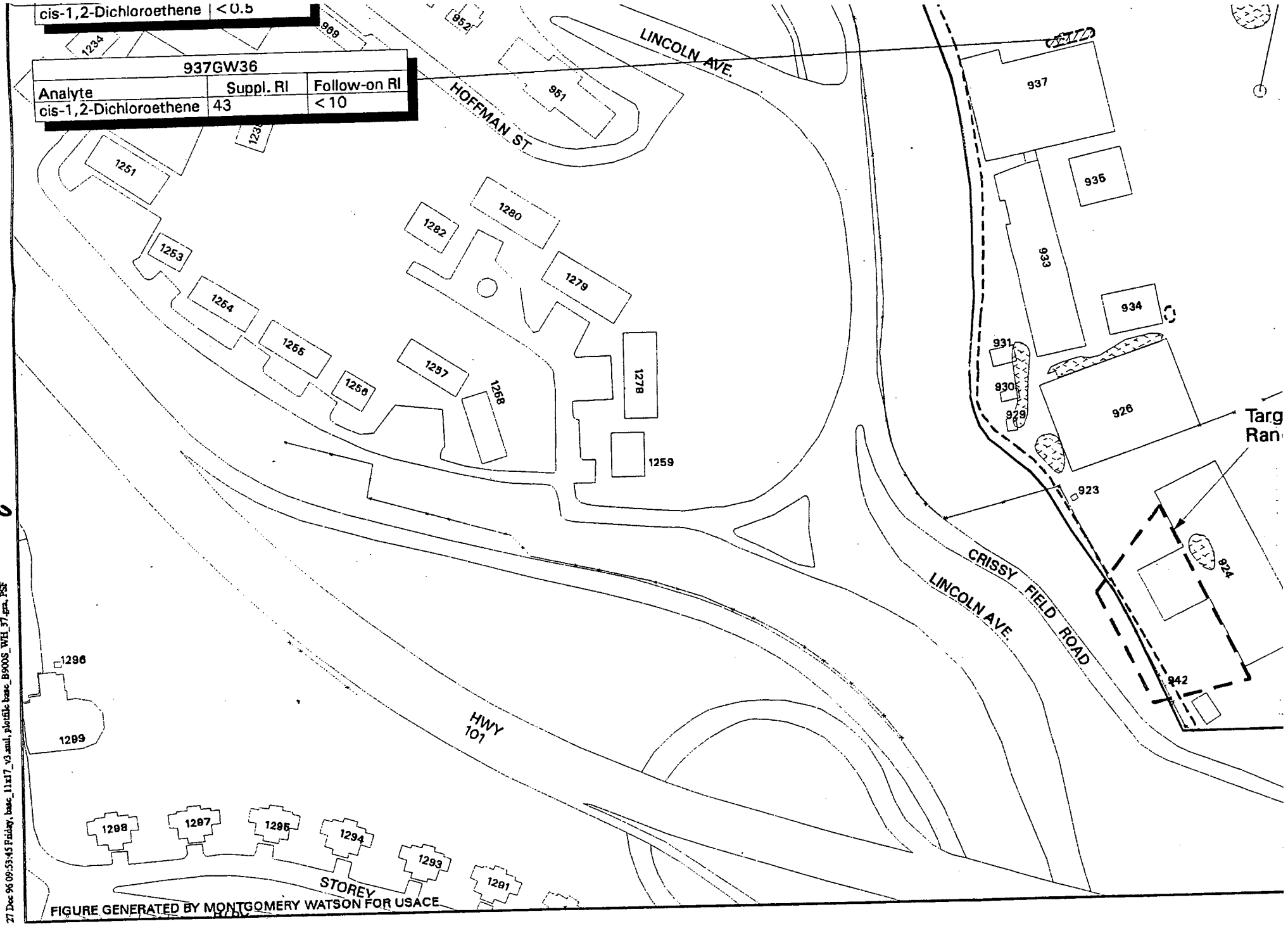


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

27 Dec 96 09:53:45 Friday, base_11x17_v3.mnl, plotfile base_B900S_WH_37.gpn, PSF

EXPLANATION

- DISCRETE GROUNDWATER SAMPLE
- SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- SHALLOW MONITORING WELL
- SHALLOW MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/L.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

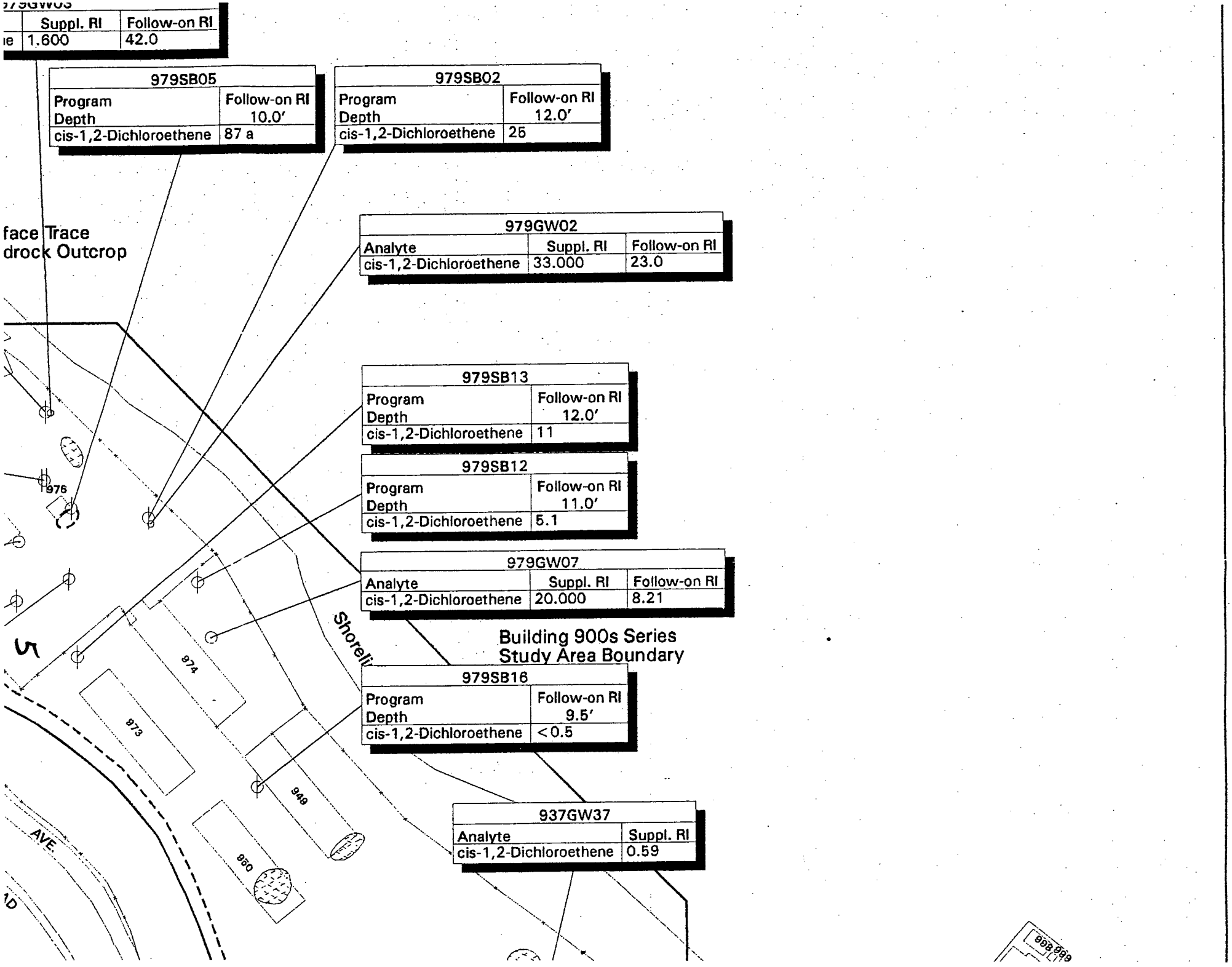
3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

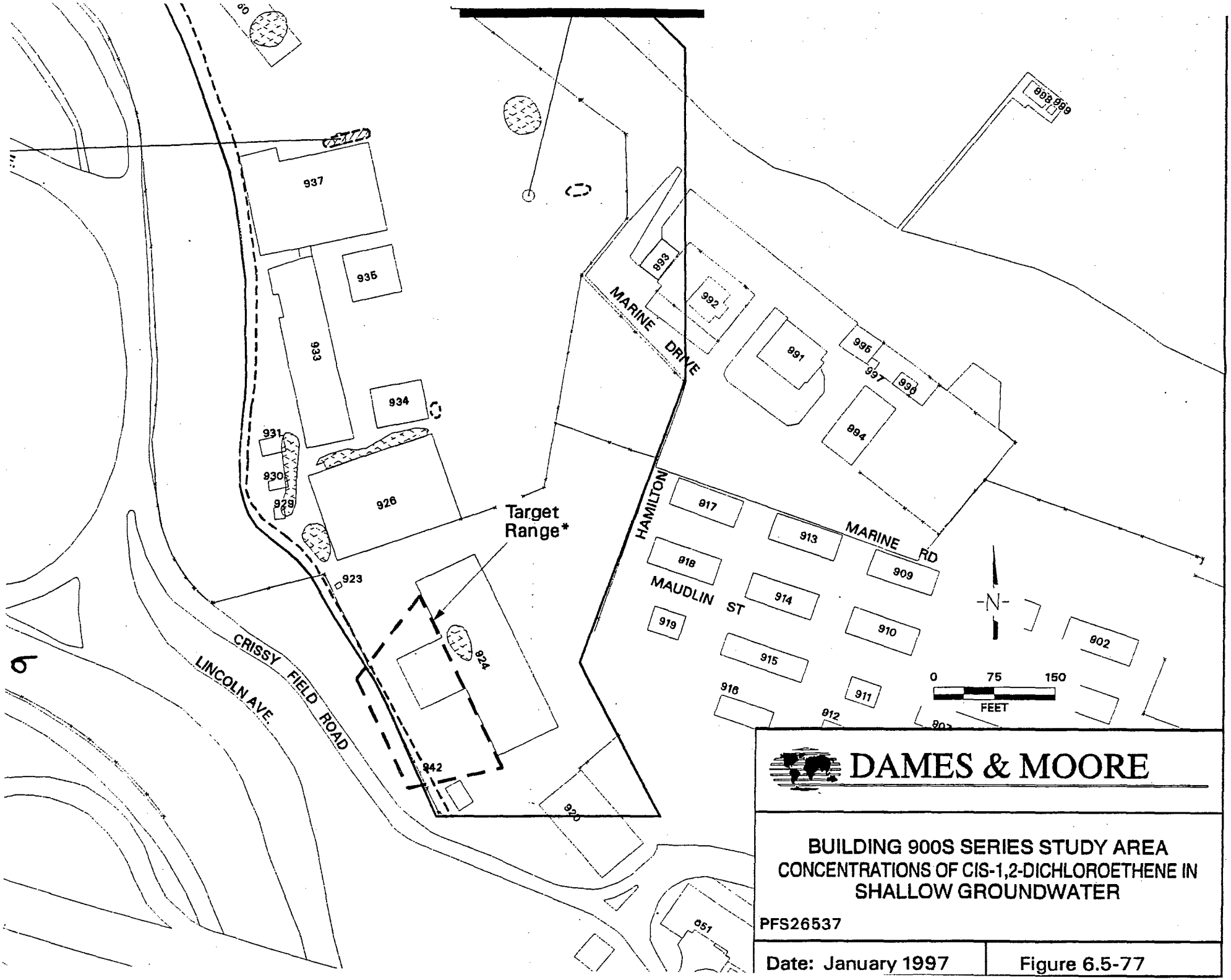
F

'9GW03	
Suppl. RI	Follow-on RI
1.600	42.0

979SB05	
Program	Follow-on RI
Depth	10.0'
cis-1,2-Dichloroethene	87 a

979SB02	
Program	Follow-on RI
Depth	12.0'
cis-1,2-Dichloroethene	25


979GW03
Suppl. RI
Follow-on RI
ıe 1.600
42.0
979SB05
Program
Depth
Follow-on RI
10.0′
cis-1,2-Dichloroethene
87 a
979SB02
Program
Depth
Follow-on RI
12.0′
cis-1,2-Dichloroethene
25
face Trace
drock Outcrop
979GW02
Analyte
Suppl. RI
Follow-on RI
cis-1,2-Dichloroethene
33.000
23.0
979SB13
Program
Depth
Follow-on RI
12.0′
cis-1,2-Dichloroethene
11
979SB12
Program
Depth
Follow-on RI
11.0′
cis-1,2-Dichloroethene
5.1
979GW07
Analyte
Suppl. RI
Follow-on RI
cis-1,2-Dichloroethene
20.000
8.21
Building 900s Series
Study Area Boundary
979SB16
Program
Depth
Follow-on RI
9.5′
cis-1,2-Dichloroethene
< 0.5
937GW37
Analyte
Suppl. RI
cis-1,2-Dichloroethene
0.59
976
974
973
949
960
AVE.
Shoreli



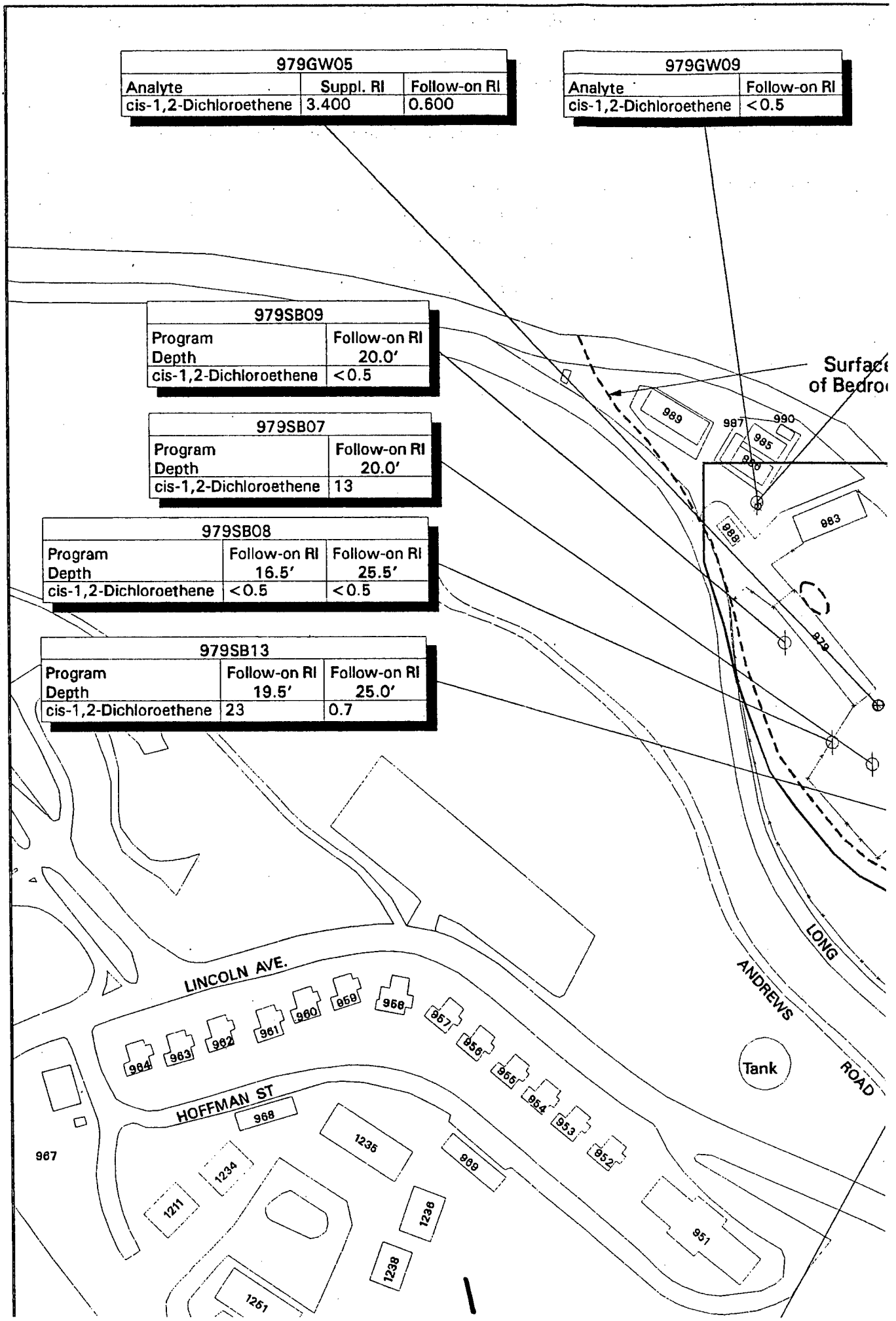
DAMES & MOORE

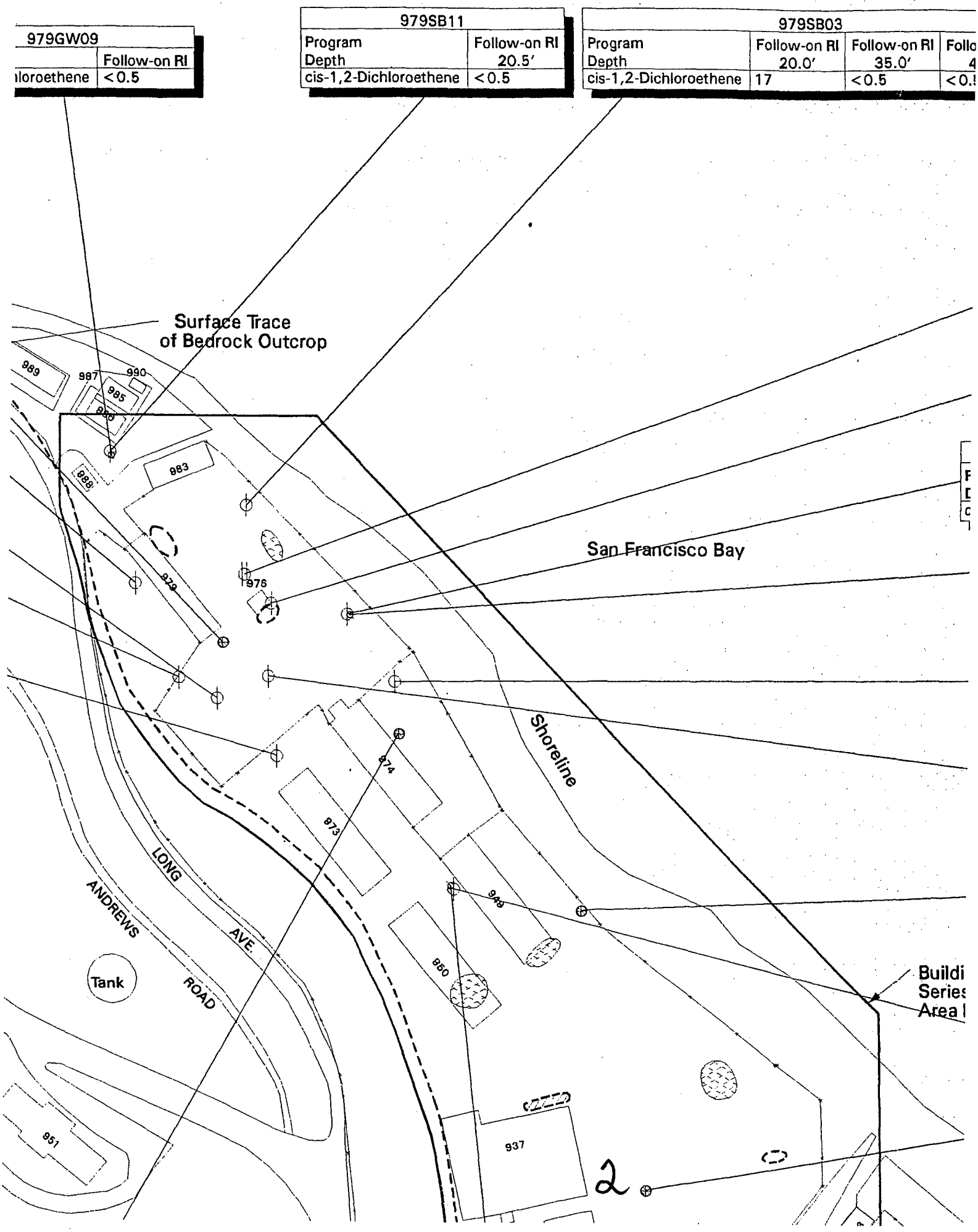
BUILDING 900S SERIES STUDY AREA
CONCENTRATIONS OF CIS-1,2-DICHLOROETHENE IN SHALLOW GROUNDWATER

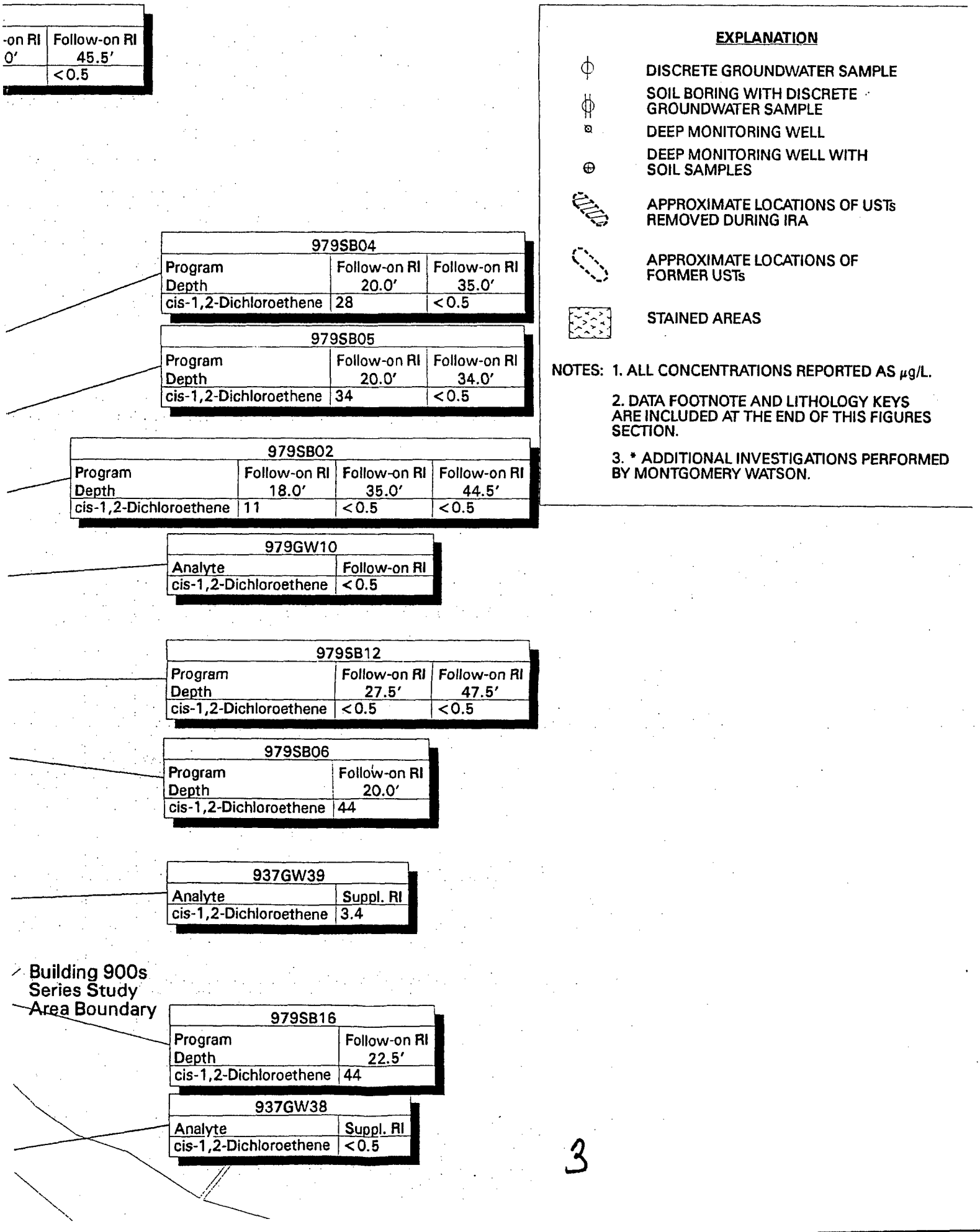
PFS26537

Date: January 1997

Figure 6.5-77


979GW05
Analyte | Suppl. RI | Follow-on RI
cis-1,2-Dichloroethene | 3.400 | 0.600
979GW09
Analyte | Follow-on RI
cis-1,2-Dichloroethene | <0.5
979SB09
Program | Follow-on RI
Depth | 20.0'
cis-1,2-Dichloroethene | <0.5
979SB07
Program | Follow-on RI
Depth | 20.0'
cis-1,2-Dichloroethene | 13
979SB08
Program | Follow-on RI | Follow-on RI
Depth | 16.5' | 25.5'
cis-1,2-Dichloroethene | <0.5 | <0.5
979SB13
Program | Follow-on RI | Follow-on RI
Depth | 19.5' | 25.0'
cis-1,2-Dichloroethene | 23 | 0.7
Surface of Bedroc
989
987
990
985
986
983
979
LINCOLN AVE.
964
963
962
961
960
959
958
957
956
955
954
953
952
HOFFMAN ST
968
967
1235
969
1234
1211
1236
1238
951
1251
LONG
ANDREWS
Tank
ROAD


979GW09
Follow-on RI
loroethene
< 0.5
979SB11
Program
Follow-on RI
Depth
20.5'
cis-1,2-Dichloroethene
< 0.5
979SB03
Program
Follow-on RI
Follow-on RI
Depth
20.0'
35.0'
cis-1,2-Dichloroethene
17
< 0.5
Surface Trace
of Bedrock Outcrop
San Francisco Bay
Shoreline
LONG AVE.
ANDREWS ROAD
Tank
989
987
990
985
986
988
983
979
975
974
973
949
960
951
937
Buildi
Series
Area I
2


-on RI | Follow-on RI
0′ | 45.5′
| <0.5
EXPLANATION
DISCRETE GROUNDWATER SAMPLE
SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
DEEP MONITORING WELL
DEEP MONITORING WELL WITH SOIL SAMPLES
APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
APPROXIMATE LOCATIONS OF FORMER USTs
STAINED AREAS
NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/L.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.
979SB04
Program | Follow-on RI | Follow-on RI
Depth | 20.0′ | 35.0′
cis-1,2-Dichloroethene | 28 | <0.5
979SB05
Program | Follow-on RI | Follow-on RI
Depth | 20.0′ | 34.0′
cis-1,2-Dichloroethene | 34 | <0.5
979SB02
Program | Follow-on RI | Follow-on RI | Follow-on RI
Depth | 18.0′ | 35.0′ | 44.5′
cis-1,2-Dichloroethene | 11 | <0.5 | <0.5
979GW10
Analyte | Follow-on RI
cis-1,2-Dichloroethene | <0.5
979SB12
Program | Follow-on RI | Follow-on RI
Depth | 27.5′ | 47.5′
cis-1,2-Dichloroethene | <0.5 | <0.5
979SB06
Program | Follow-on RI
Depth | 20.0′
cis-1,2-Dichloroethene | 44
937GW39
Analyte | Suppl. RI
cis-1,2-Dichloroethene | 3.4
Building 900s Series Study Area Boundary
979SB16
Program | Follow-on RI
Depth | 22.5′
cis-1,2-Dichloroethene | 44
937GW38
Analyte | Suppl. RI
cis-1,2-Dichloroethene | <0.5

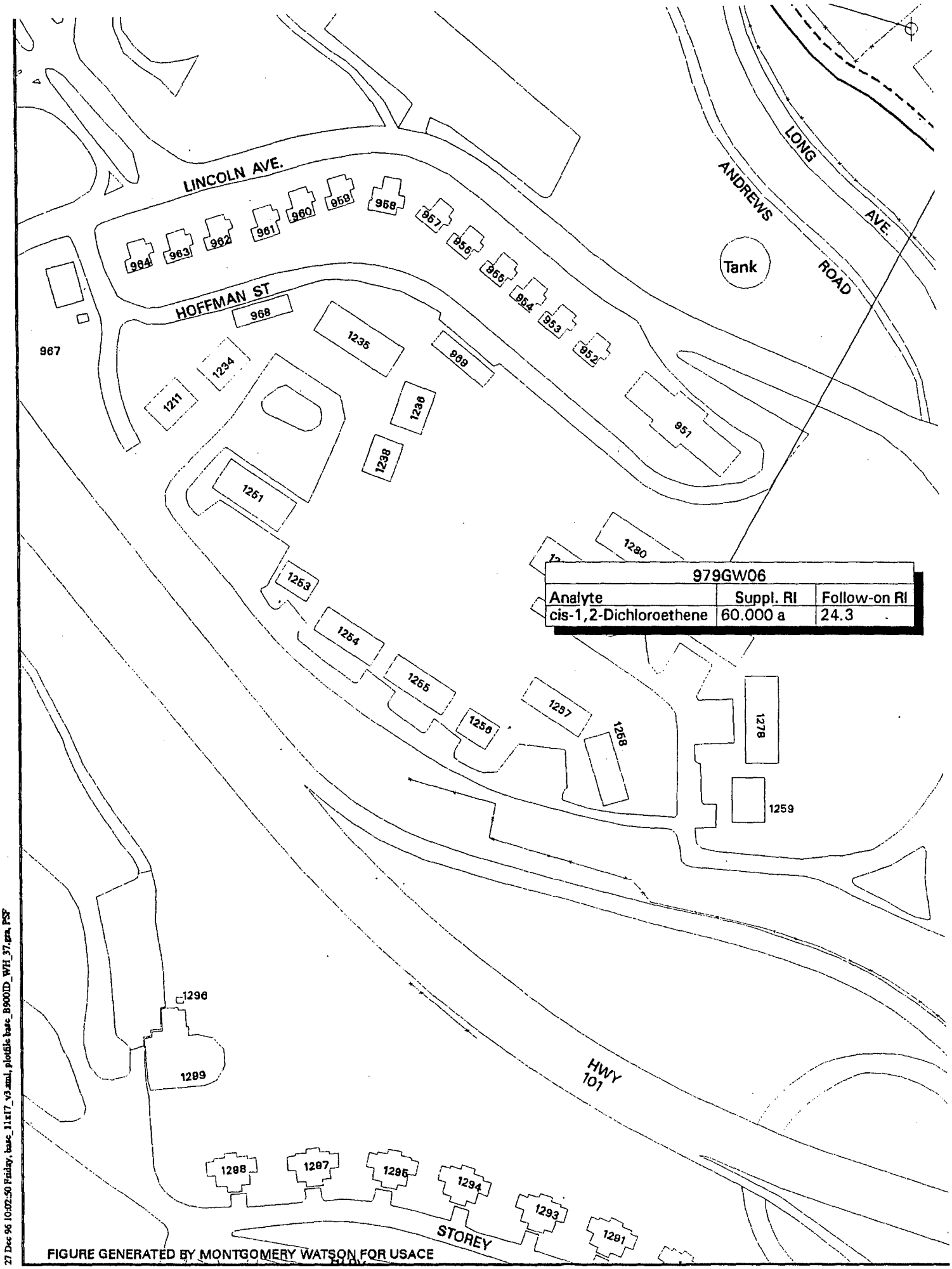
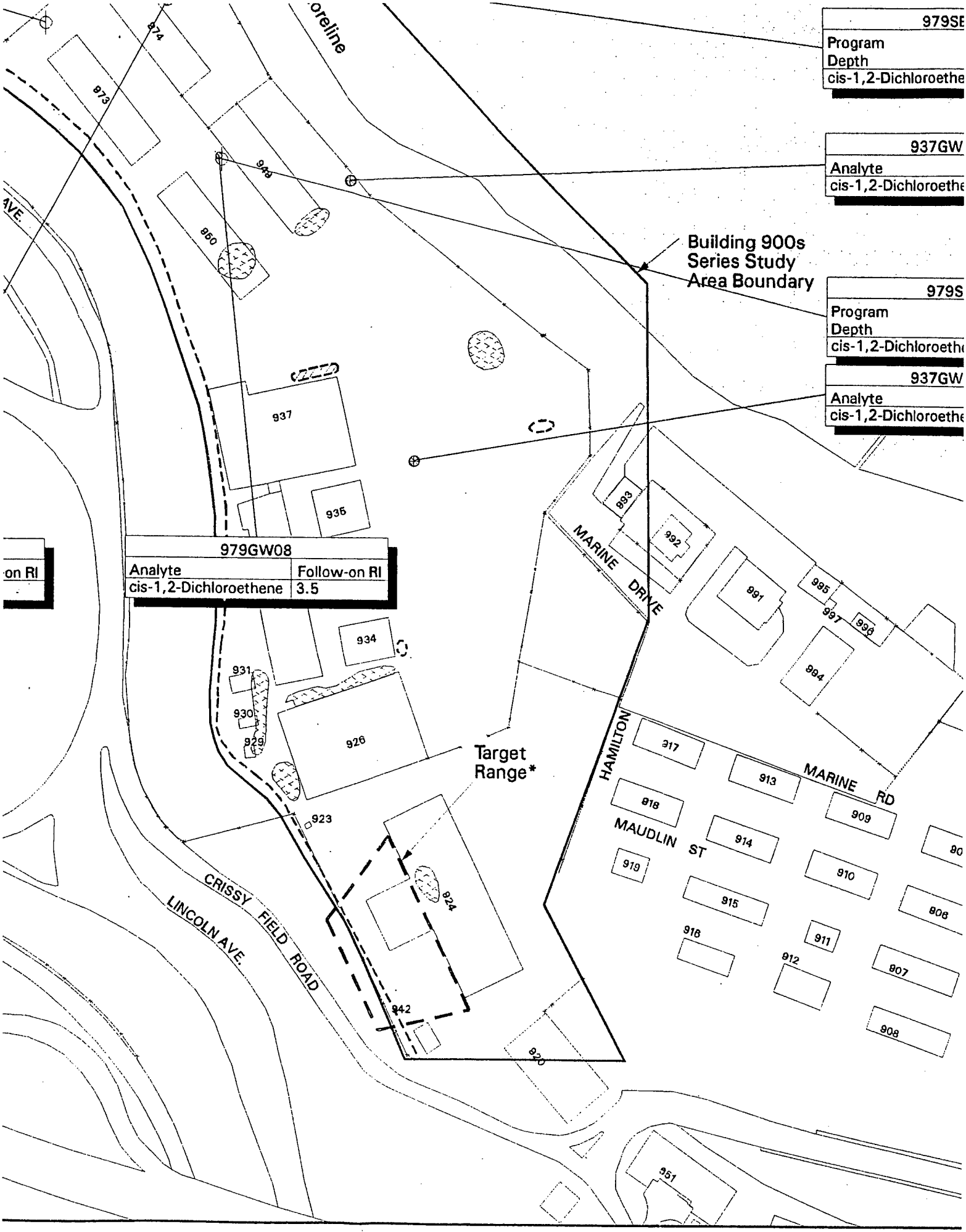
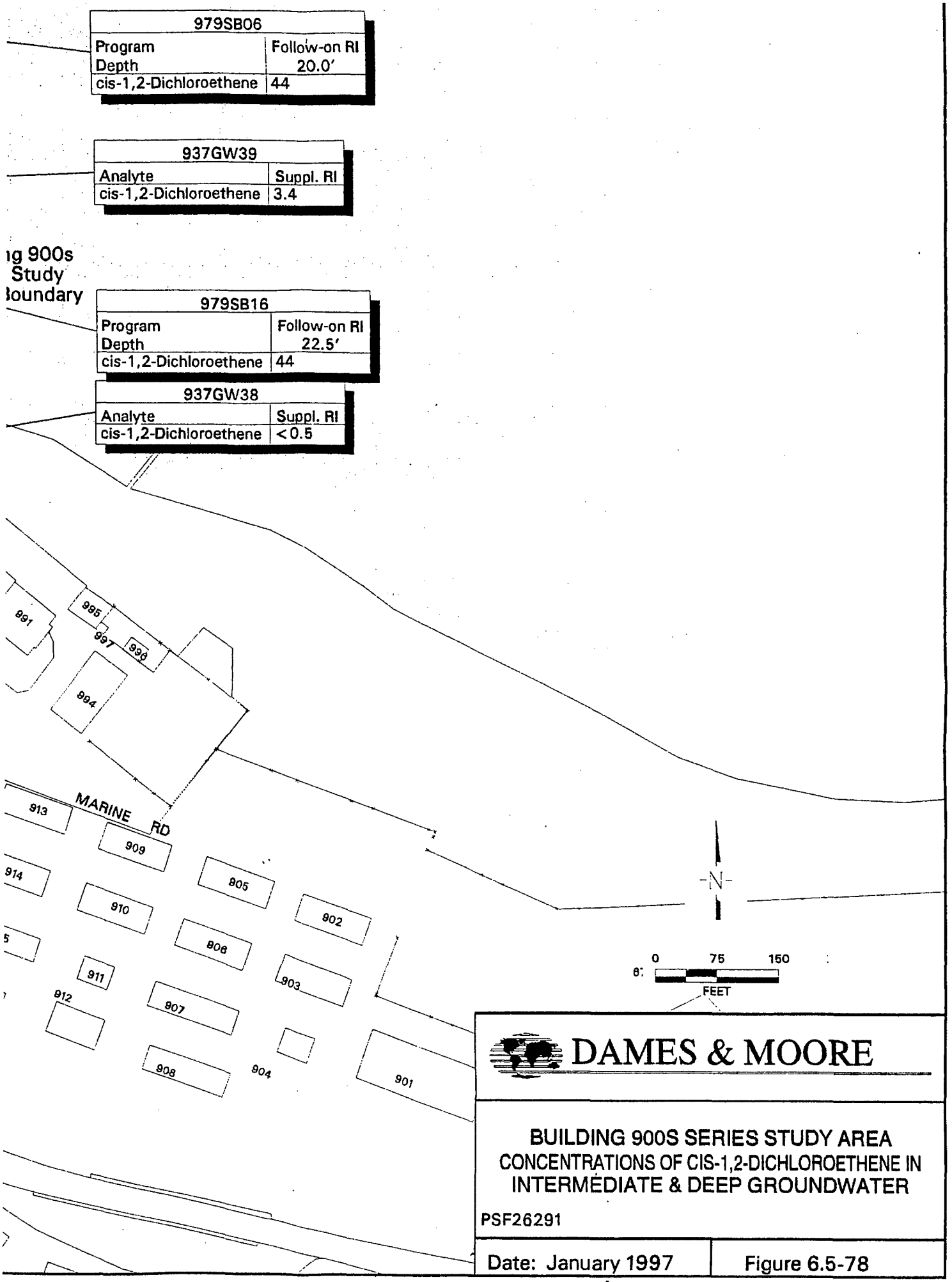


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

27 Dec 96 10:02:50 Friday, base_11x17_v3.aml, plotfile base_B900D_WH_37.grn, PSF


979SE
Program
Depth
cis-1,2-Dichloroethe
937GW
Analyte
cis-1,2-Dichloroethe
Building 900s
Series Study
Area Boundary
979S
Program
Depth
cis-1,2-Dichloroeth
937GW
Analyte
cis-1,2-Dichloroethe
979GW08
Analyte
Follow-on RI
cis-1,2-Dichloroethene
3.5
Target
Range*
MARINE DRIVE
HAMILTON
MARINE RD
MAUDLIN ST
CRISSY FIELD ROAD
LINCOLN AVE.
oreline
AVE.
on RI
973
974
948
960
937
936
934
931
930
929
926
923
924
942
920
993
992
991
985
997
998
994
917
913
909
818
914
919
910
915
916
911
912
907
908
951

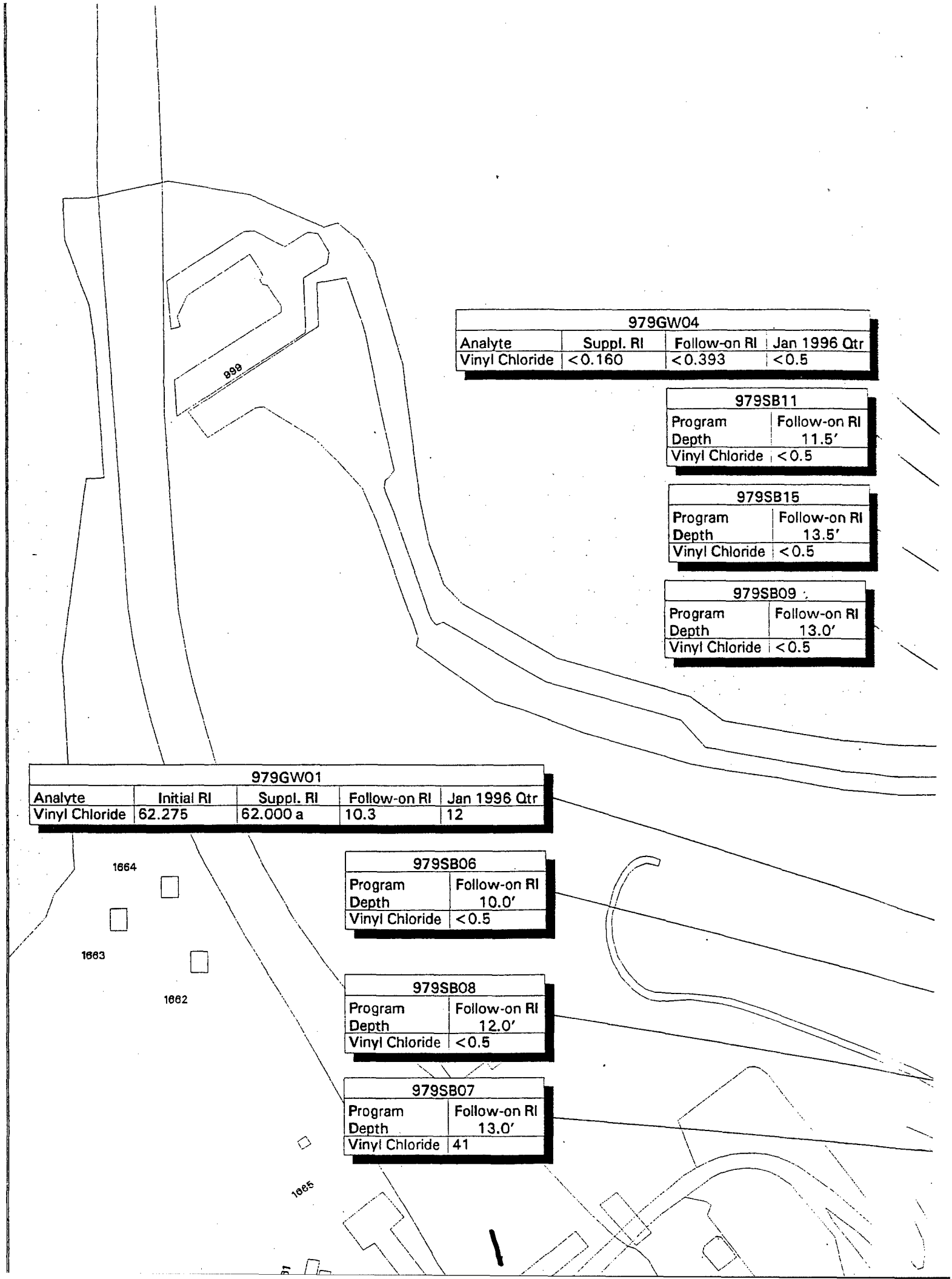


DAMES & MOORE

BUILDING 900S SERIES STUDY AREA
CONCENTRATIONS OF CIS-1,2-DICHLOROETHENE IN INTERMEDIATE & DEEP GROUNDWATER

PSF26291

Date: January 1997 | Figure 6.5-78



979GW04			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Vinyl Chloride	<0.160	<0.393	<0.5

979SB11	
Program	Follow-on RI
Depth	11.5′
Vinyl Chloride	<0.5

979SB15	
Program	Follow-on RI
Depth	13.5′
Vinyl Chloride	<0.5

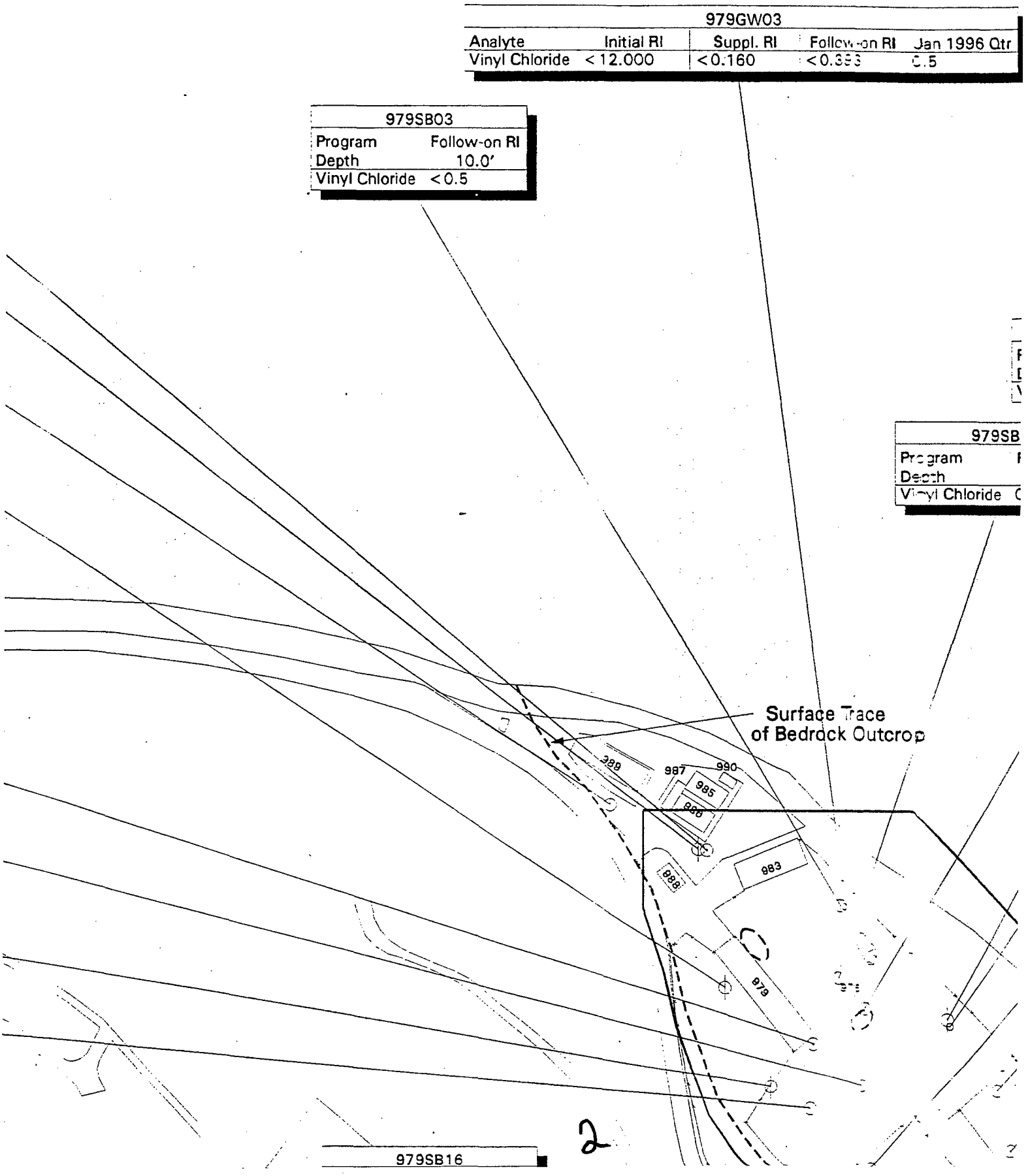
979SB09	
Program	Follow-on RI
Depth	13.0′
Vinyl Chloride	<0.5

979GW01				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Vinyl Chloride	62.275	62.000 a	10.3	12

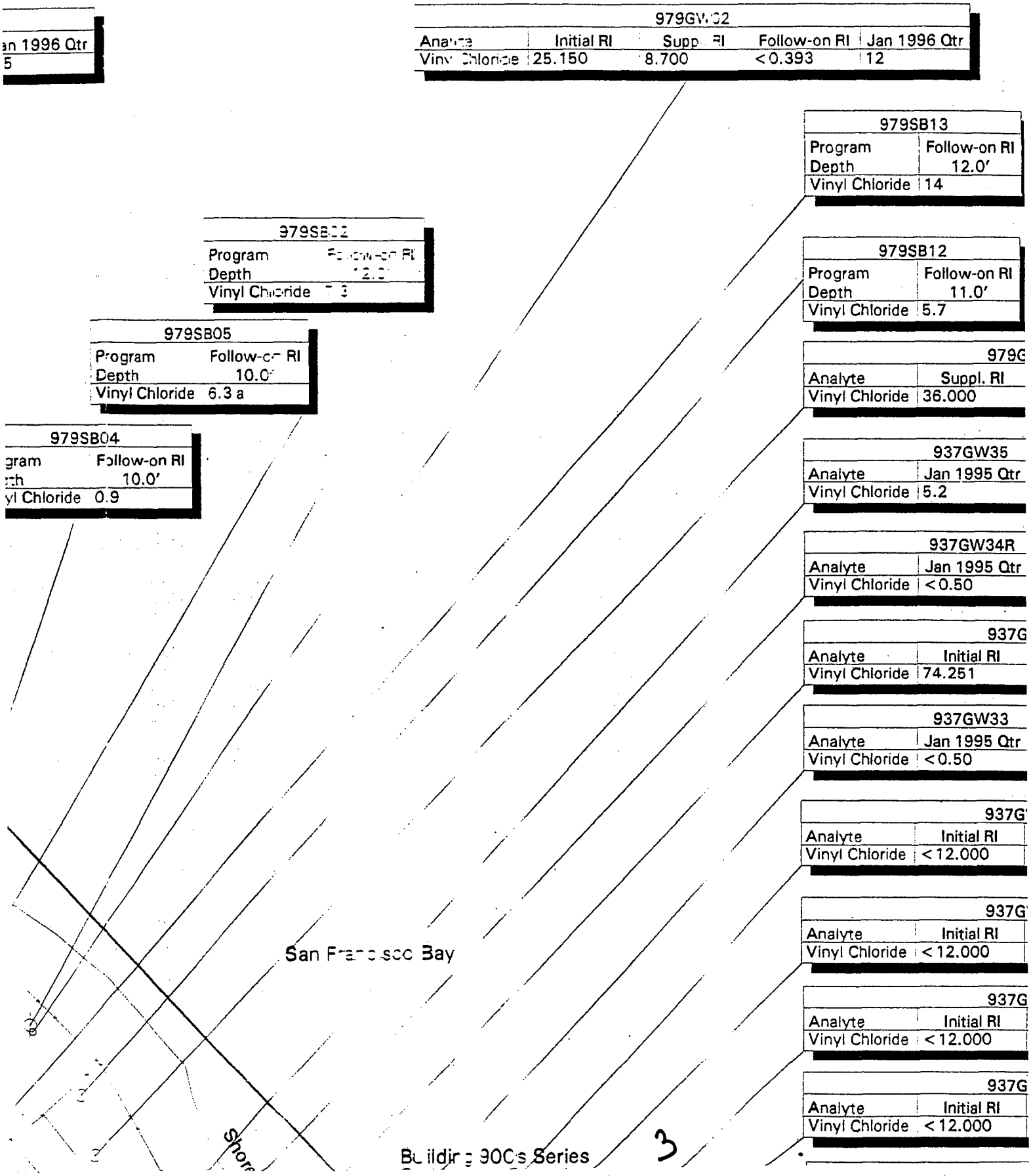
979SB06	
Program	Follow-on RI
Depth	10.0′
Vinyl Chloride	<0.5

979SB08	
Program	Follow-on RI
Depth	12.0′
Vinyl Chloride	<0.5

979SB07	
Program	Follow-on RI
Depth	13.0′
Vinyl Chloride	41


979GW03
Analyte | Initial RI | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Vinyl Chloride | < 12.000 | < 0.160 | < 0.383 | 0.5
979SB03
Program | Follow-on RI
Depth | 10.0'
Vinyl Chloride | < 0.5
979SB
Program
Depth
Vinyl Chloride
Surface Trace
of Bedrock Outcrop
989
987
990
985
986
983
988
979
979SB16

2


an 1996 Qtr
5
979GW02
Analyte | Initial RI | Supp RI | Follow-on RI | Jan 1996 Qtr
Vinyl Chloride | 25.150 | 8.700 | < 0.393 | 12
979SB13
Program | Follow-on RI
Depth | 12.0'
Vinyl Chloride | 14
979SB12
Program | Follow-on RI
Depth | 11.0'
Vinyl Chloride | 5.7
979SB02
Program | Follow-on RI
Depth | 12.0'
Vinyl Chloride | 3
979SB05
Program | Follow-on RI
Depth | 10.0'
Vinyl Chloride | 6.3 a
979SB04
gram | Follow-on RI
th | 10.0'
yl Chloride | 0.9
979G
Analyte | Suppl. RI
Vinyl Chloride | 36.000
937GW35
Analyte | Jan 1995 Qtr
Vinyl Chloride | 5.2
937GW34R
Analyte | Jan 1995 Qtr
Vinyl Chloride | < 0.50
937G
Analyte | Initial RI
Vinyl Chloride | 74.251
937GW33
Analyte | Jan 1995 Qtr
Vinyl Chloride | < 0.50
937G
Analyte | Initial RI
Vinyl Chloride | < 12.000
937G
Analyte | Initial RI
Vinyl Chloride | < 12.000
937G
Analyte | Initial RI
Vinyl Chloride | < 12.000
937G
Analyte | Initial RI
Vinyl Chloride | < 12.000
San Francisco Bay
Shore
Building 900's Series
3

	1996 Qtr

'9SB13	
	Follow-on RI 12.0'
de	14

'9SB12	
	Follow-on RI 11.0'
de	5.7

	979GW07		
	Suppl. RI	Follow-on RI	Jan 1996 Qtr
de	36.000	41.4	35

	937GW35	
	Jan 1995 Qtr	Jan 1996 Qtr
de	5.2	4.5

	937GW34R	
	Jan 1995 Qtr	Jan 1996 Qtr
de	<0.50	<0.50

	937GW23		
	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
de	74.251	37	0.58

	937GW33	
	Jan 1995 Qtr	Jan 1996 Qtr
de	<0.50	<0.50

	937GW10		
	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
le	<12.000	<0.50	<0.50

	937GW06		
	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
le	<12.000	<0.50	<0.50

	937GW24		
	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
de	<12.000	<0.50	<0.50

	937GW05		
	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
de	<12.000	<0.50	<0.50

DISCRE
SOIL B(
GROUN
SHALL(
MONT(
MONIT
SHALL(
SOIL S/
APPRO
REMOV
APPRO
FORME
STAINE

NOTES: 1. ALL CON(

2. DATA FOC
ARE INCLUI
SECTION.

3. * ADDITI(
BY MONTGC

4

EXPLANATION

DISCRETE GROUNDWATER SAMPLE

SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE

SHALLOW MONITORING WELL

MONTGOMERY WATSON SHALLOW MONITORING WELL

SHALLOW MONITORING WELL WITH SOIL SAMPLES

APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA

APPROXIMATE LOCATIONS OF FORMER USTs

STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS μg/L.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

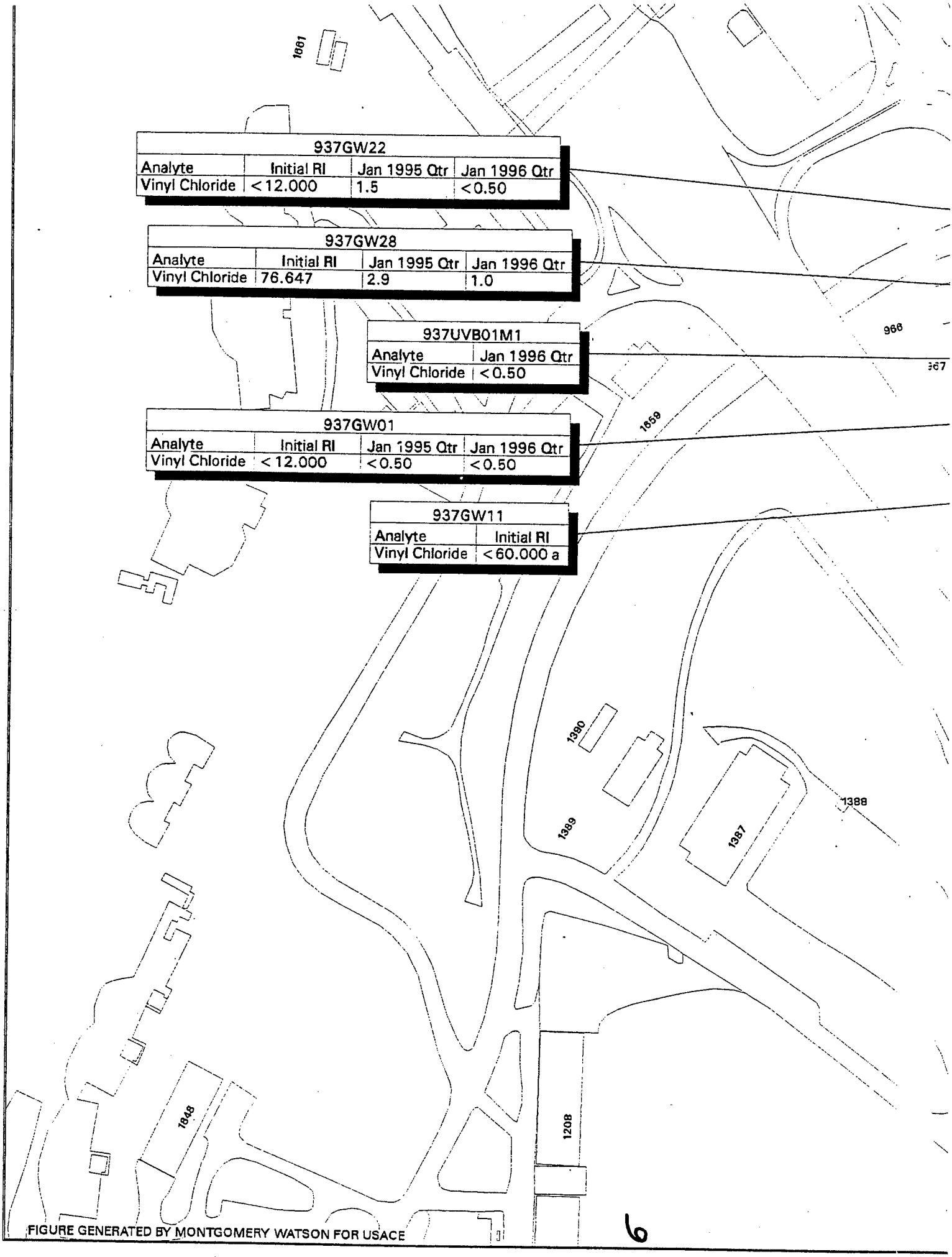
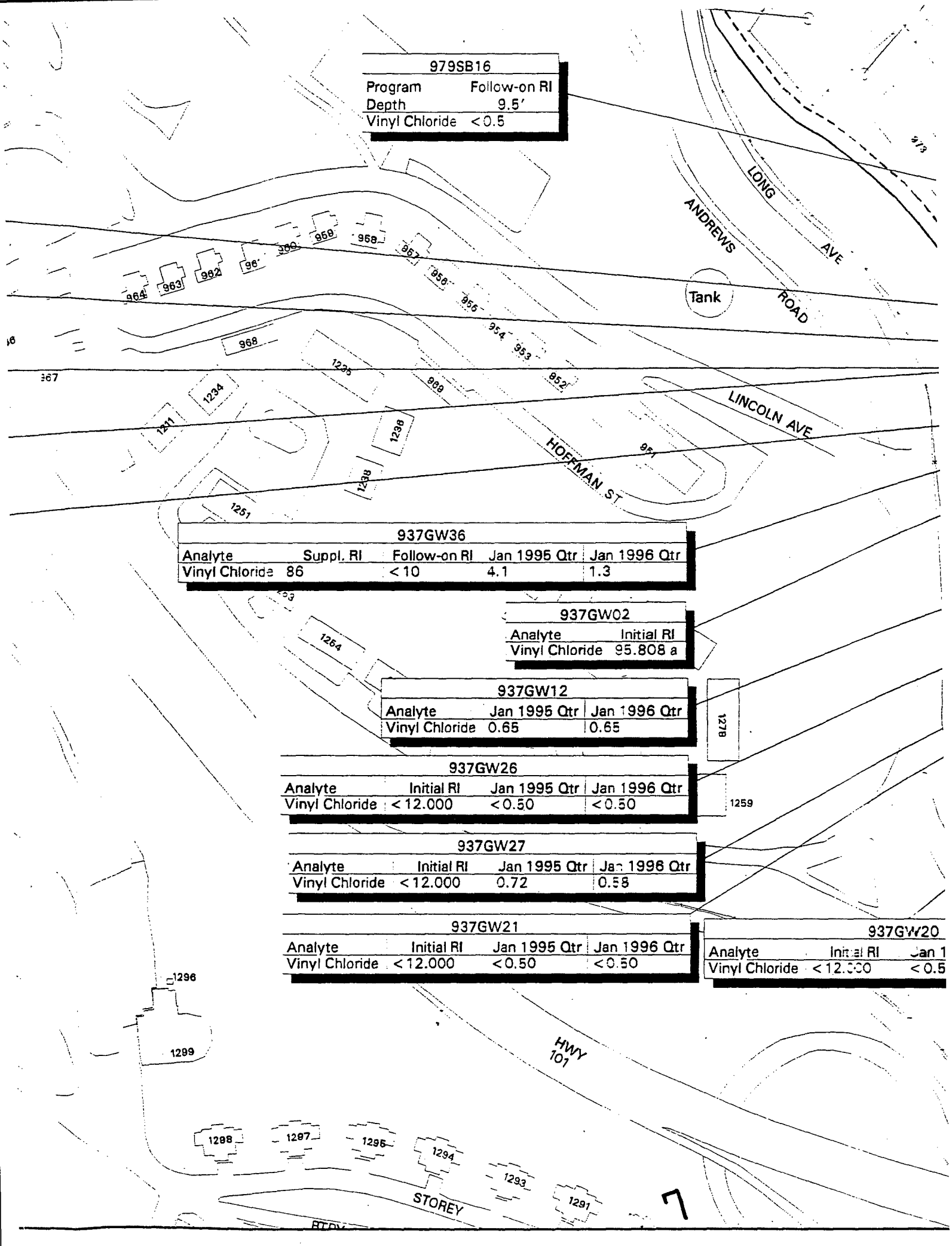
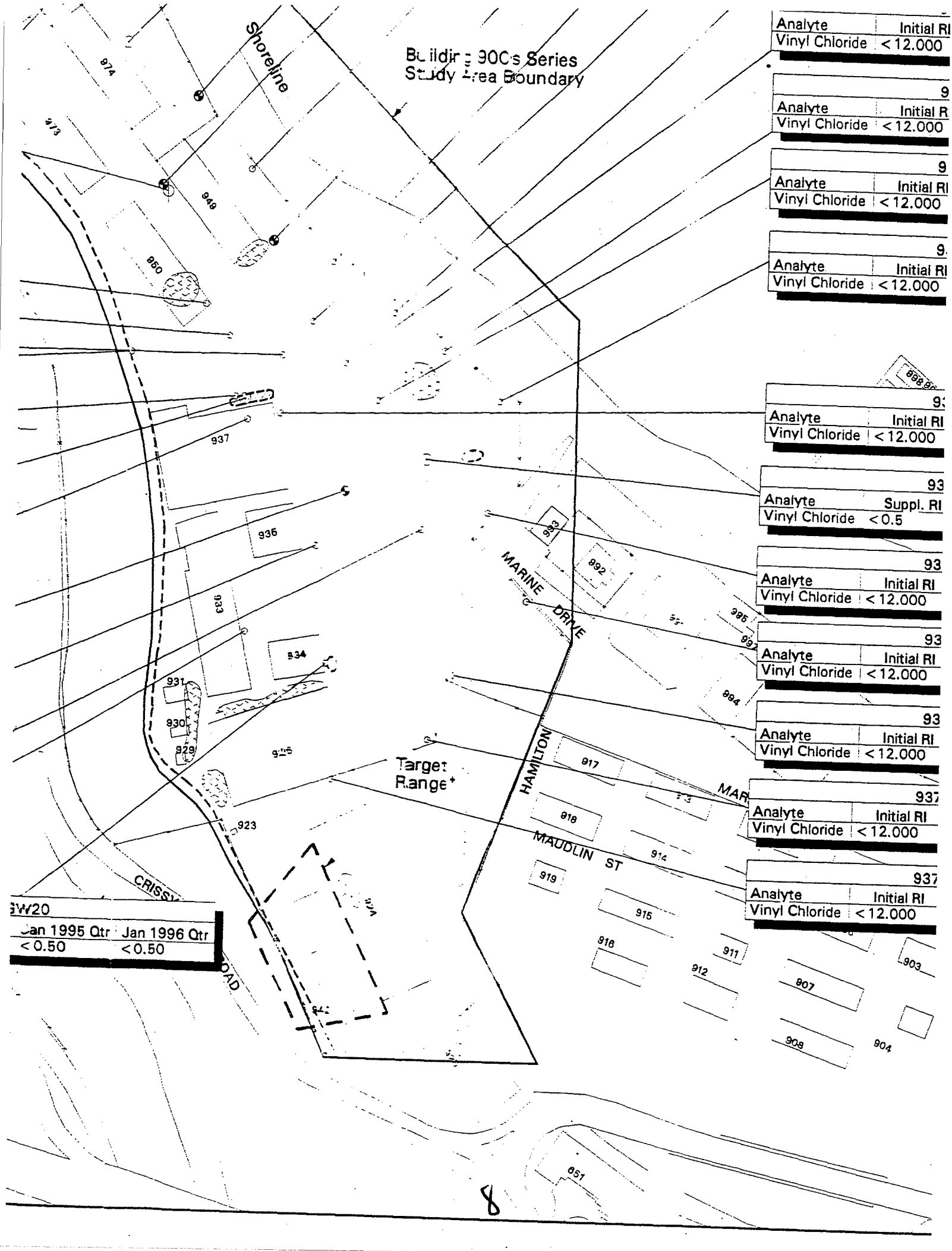


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

6

27 Dec 96 10:01:09 Friday, base_11x17_v3.mxd, plotfile base_B900S_WH_48.grs, PSF


979SB16
Program Follow-on RI
Depth 9.5'
Vinyl Chloride <0.5
937GW36
Analyte Suppl. RI Follow-on RI Jan 1995 Qtr Jan 1996 Qtr
Vinyl Chloride 86 <10 4.1 1.3
937GW02
Analyte Initial RI
Vinyl Chloride 95.808 a
937GW12
Analyte Jan 1995 Qtr Jan 1996 Qtr
Vinyl Chloride 0.65 0.65
937GW26
Analyte Initial RI Jan 1995 Qtr Jan 1996 Qtr
Vinyl Chloride <12.000 <0.50 <0.50
937GW27
Analyte Initial RI Jan 1995 Qtr Jan 1996 Qtr
Vinyl Chloride <12.000 0.72 0.58
937GW21
Analyte Initial RI Jan 1995 Qtr Jan 1996 Qtr
Vinyl Chloride <12.000 <0.50 <0.50
937GW20
Analyte Initial RI Jan 1
Vinyl Chloride <12.000 <0.5
ANDREWS
LONG
AVE
ROAD
Tank
LINCOLN AVE
HOFFMAN ST
HWY 101
STOREY
1296
1299
1298
1297
1295
1294
1293
1291
1278
1259


Shoreline
Building 900's Series
Study Area Boundary
Target Range
MARINE DRIVE
HAMILTON
MAUDLIN ST
CRISSY
Analyte | Initial RI
Vinyl Chloride | < 12.000
Analyte | Initial RI
Vinyl Chloride | < 12.000
Analyte | Initial RI
Vinyl Chloride | < 12.000
Analyte | Initial RI
Vinyl Chloride | < 12.000
Analyte | Initial RI
Vinyl Chloride | < 12.000
Analyte | Suppl. RI
Vinyl Chloride | < 0.5
Analyte | Initial RI
Vinyl Chloride | < 12.000
Analyte | Initial RI
Vinyl Chloride | < 12.000
Analyte | Initial RI
Vinyl Chloride | < 12.000
Analyte | Initial RI
Vinyl Chloride | < 12.000
Analyte | Initial RI
Vinyl Chloride | < 12.000
GW20
Jan 1995 Qtr | Jan 1996 Qtr
< 0.50 | < 0.50

< 12.000	< 0.50	< 0.50

937GW08

	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
e	< 12.000	< 0.50	< 0.50

937GW04

	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
e	< 12.000	< 0.50	< 0.50

937GW07

	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
e	< 12.000	< 0.50	< 0.50

937GW03

	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
e	< 12.000	14	< 5.0

937GW37

	Suppl. RI	Jan 1995 Qtr	Jan 1996 Qtr
e	< 0.5	< 0.50	< 0.50

937GW15

	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
e	< 12.000	0.61	< 0.50

937GW16

	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
le	< 12.000	< 0.50	< 0.50

937GW17

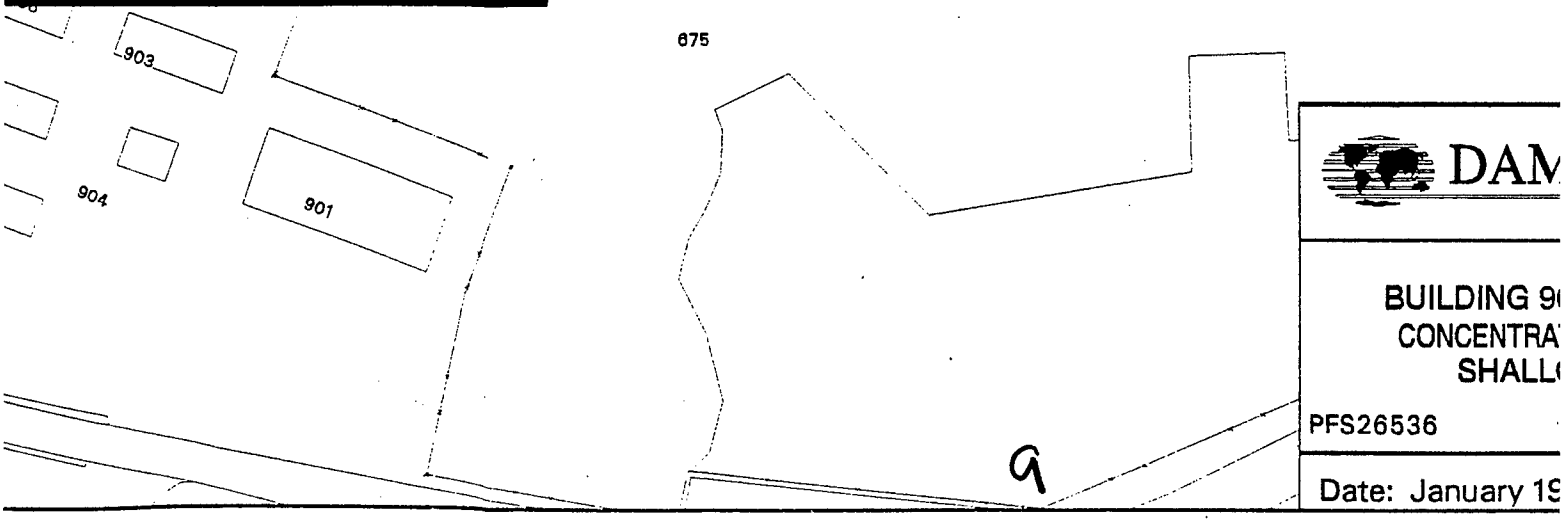
	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
le	< 12.000	< 0.50	< 0.50

937GW18

	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
e	< 12.000	< 0.50	< 0.50

937GW19

	Initial RI	Jan 1995 Qtr	Jan 1996 Qtr
e	< 12.000	< 0.50	< 0.50

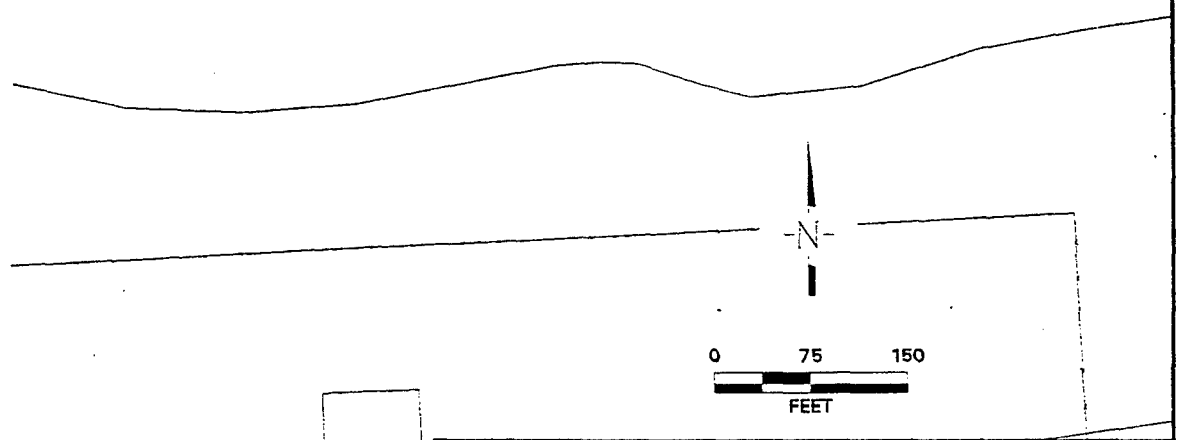


DAM

BUILDING 9(
CONCENTRA
SHALL(

PFS26536

Date: January 19



DAMES & MOORE

BUILDING 900S SERIES STUDY AREA
CONCENTRATIONS OF VINYL CHLORIDE IN
SHALLOW GROUNDWATER

PFS26536

Date: January 1997

Figure 6.5-79

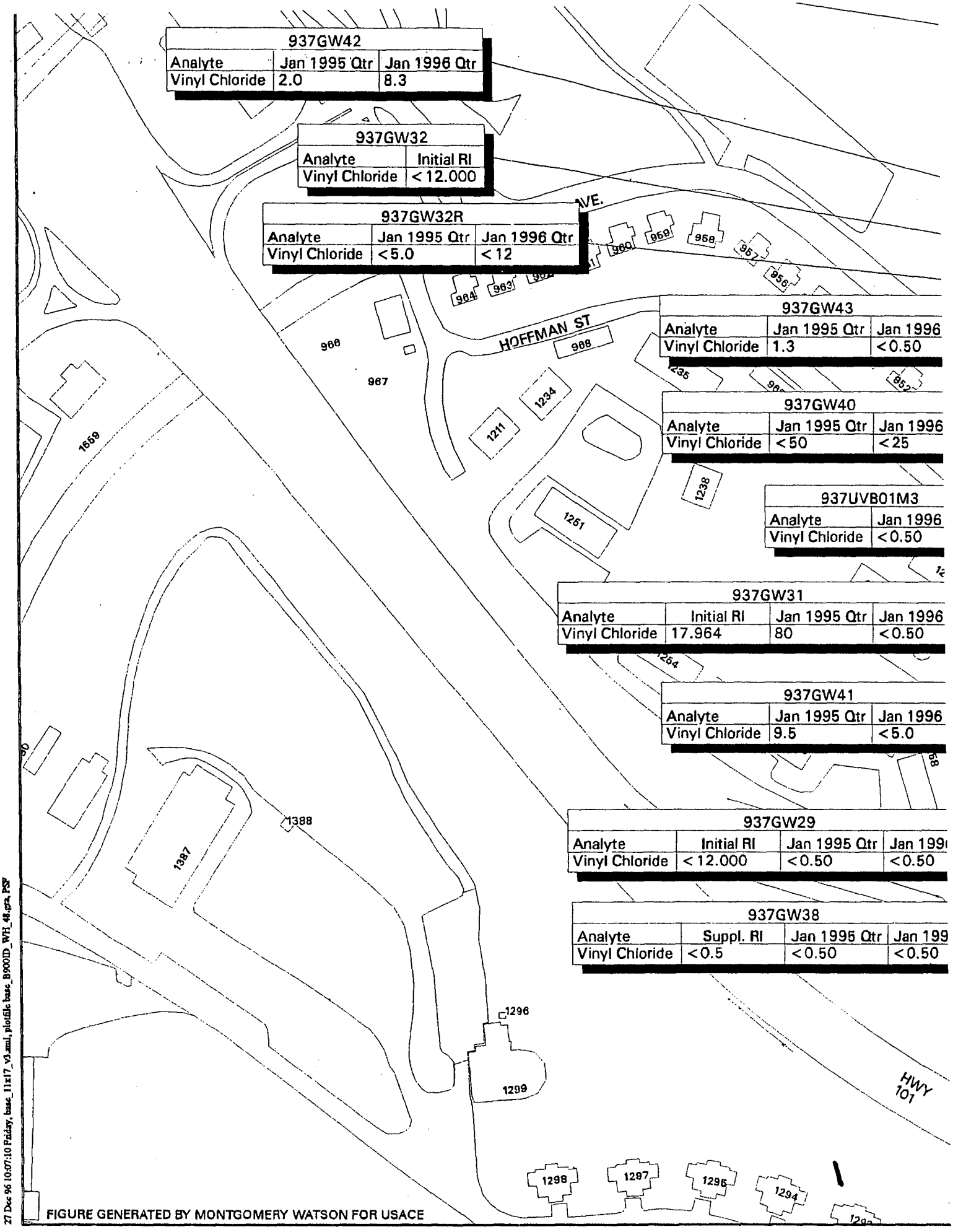
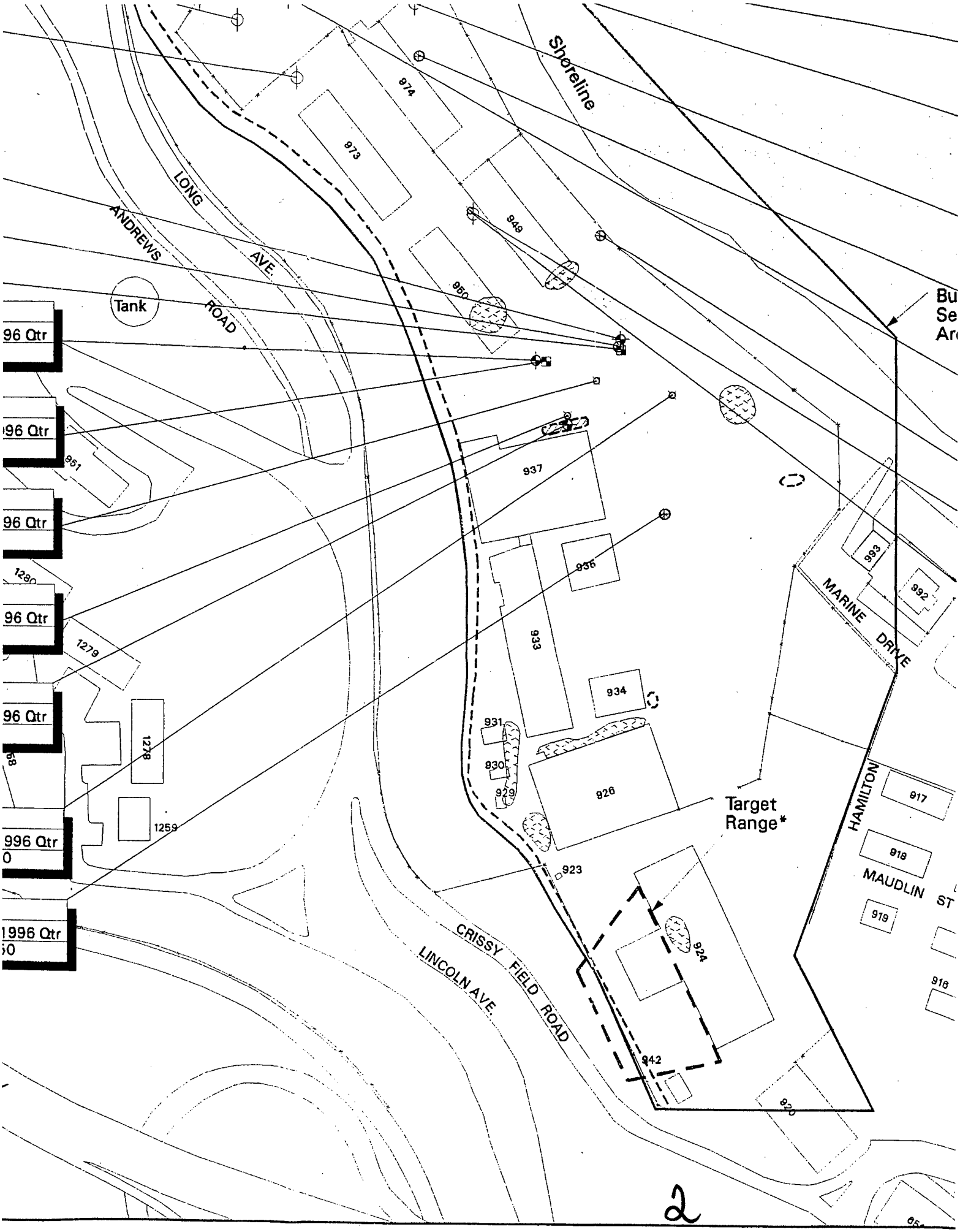
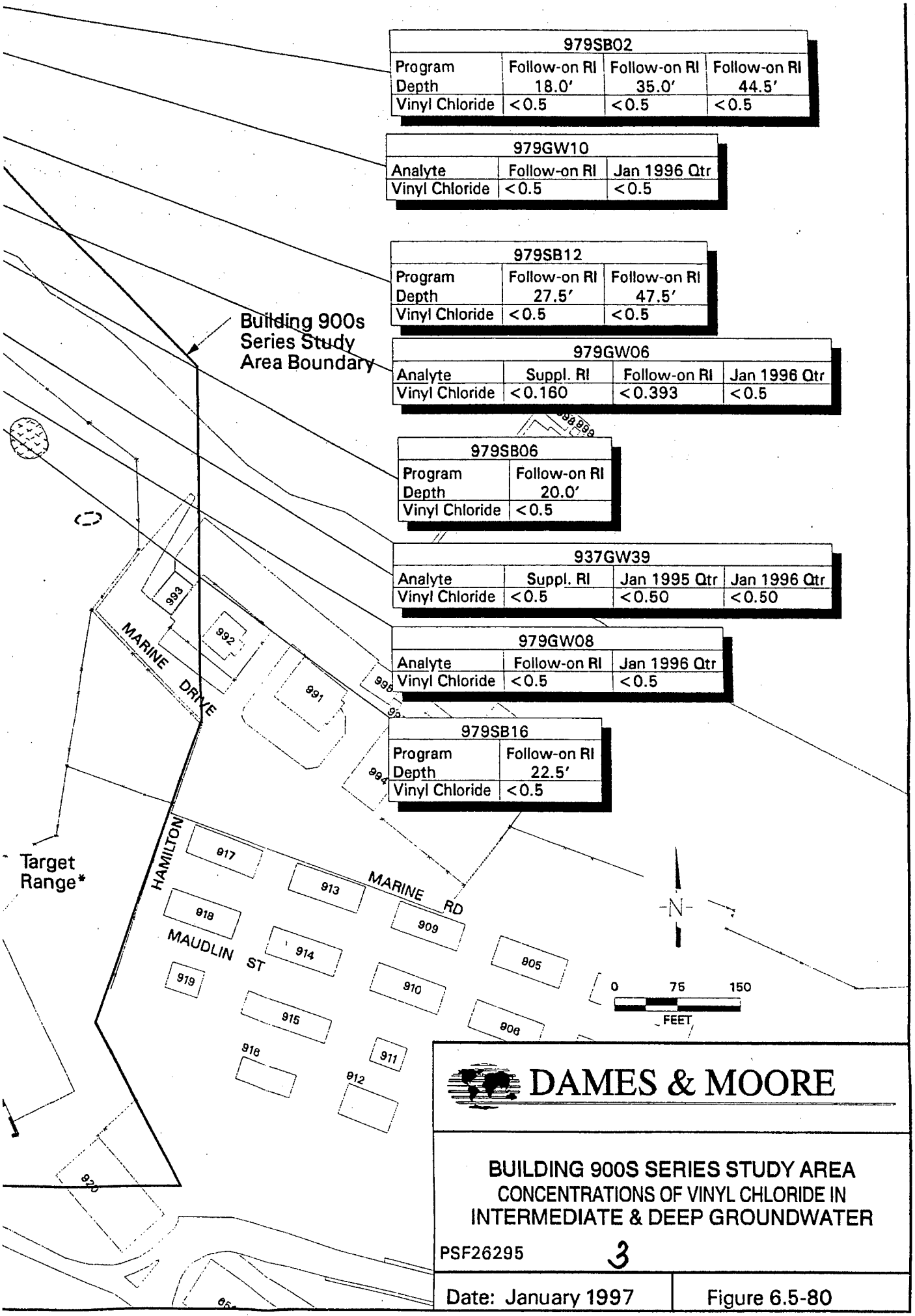


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

27 Dec 96 10:07:10 Friday, base_11x17_v3.aml, plotfile base_B900ID_WH_48.grn, PSF


Shoreline
LONG AVE.
ANDREWS ROAD
Tank
974
973
949
950
951
937
936
933
934
931
930
929
926
923
924
942
920
993
992
MARINE DRIVE
Target Range*
HAMILTON
917
918
MAUDLIN ST
919
CRISSY FIELD ROAD
LINCOLN AVE.
1280
1279
1278
1259
96 Qtr
996 Qtr
1996 Qtr

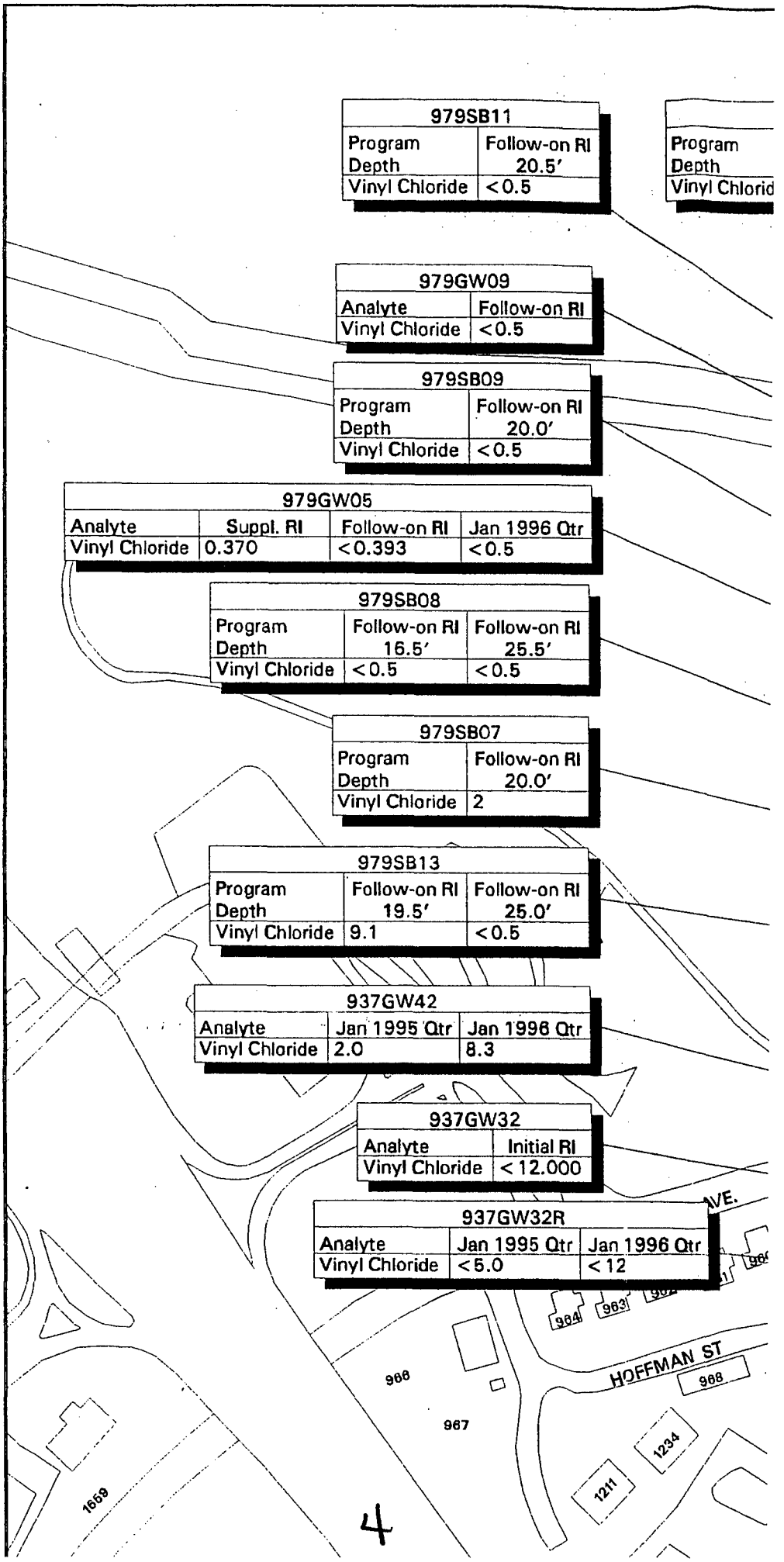


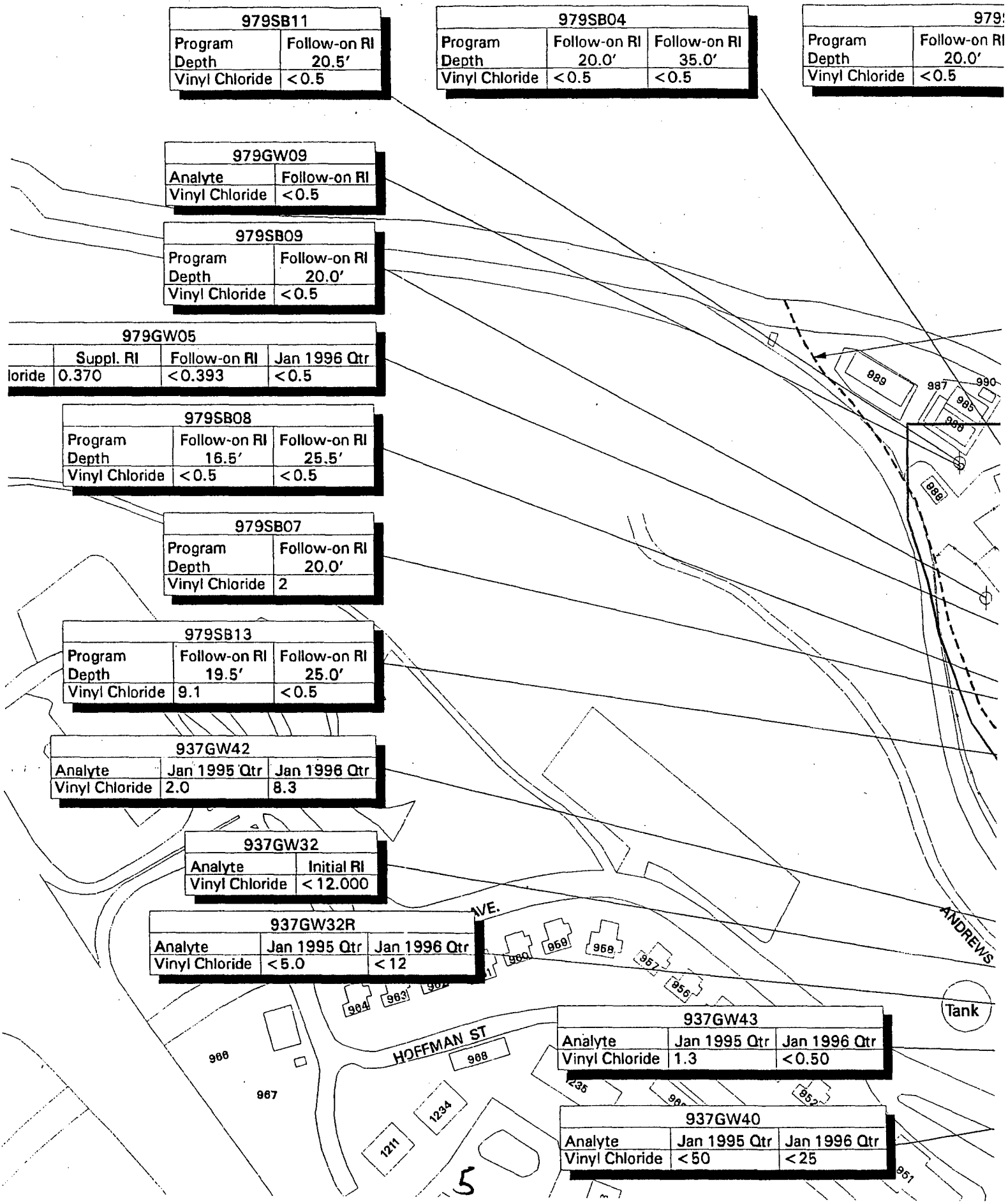
DAMES & MOORE

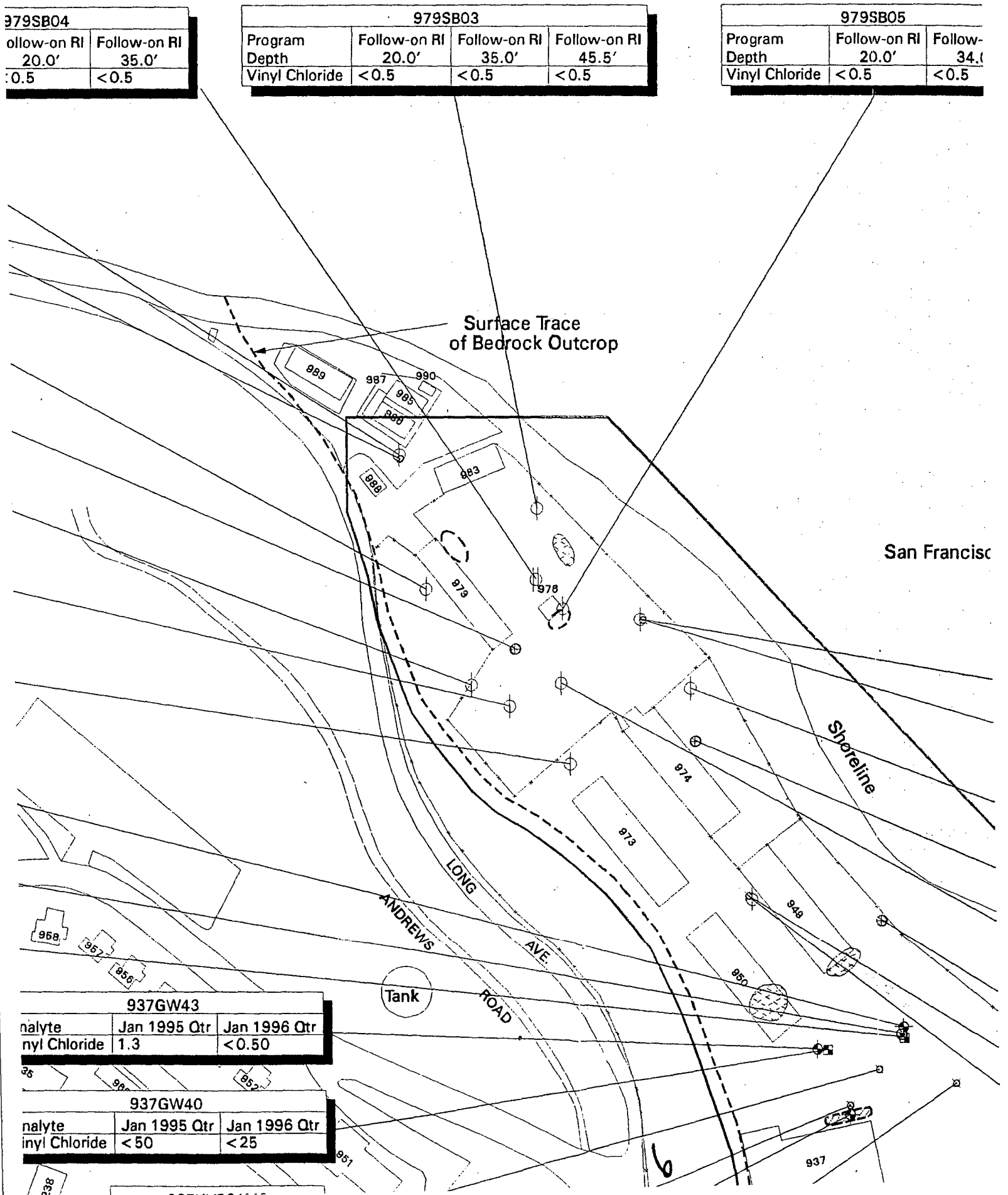
BUILDING 900S SERIES STUDY AREA CONCENTRATIONS OF VINYL CHLORIDE IN INTERMEDIATE & DEEP GROUNDWATER

PSF26295 3

Date: January 1997 | Figure 6.5-80


979SB11
Program | Follow-on RI
Depth | 20.5'
Vinyl Chloride | <0.5
Program
Depth
Vinyl Chlorid
979GW09
Analyte | Follow-on RI
Vinyl Chloride | <0.5
979SB09
Program | Follow-on RI
Depth | 20.0'
Vinyl Chloride | <0.5
979GW05
Analyte | Suppl. RI | Follow-on RI | Jan 1996 Qtr
Vinyl Chloride | 0.370 | <0.393 | <0.5
979SB08
Program | Follow-on RI | Follow-on RI
Depth | 16.5' | 25.5'
Vinyl Chloride | <0.5 | <0.5
979SB07
Program | Follow-on RI
Depth | 20.0'
Vinyl Chloride | 2
979SB13
Program | Follow-on RI | Follow-on RI
Depth | 19.5' | 25.0'
Vinyl Chloride | 9.1 | <0.5
937GW42
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Vinyl Chloride | 2.0 | 8.3
937GW32
Analyte | Initial RI
Vinyl Chloride | < 12.000
937GW32R
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Vinyl Chloride | <5.0 | < 12
AVE.
964
963
962
HOFFMAN ST
968
968
967
1234
1211
1659
4


979SB11
Program | Follow-on RI
Depth | 20.5'
Vinyl Chloride | <0.5
979SB04
Program | Follow-on RI | Follow-on RI
Depth | 20.0' | 35.0'
Vinyl Chloride | <0.5 | <0.5
979
Program | Follow-on RI
Depth | 20.0'
Vinyl Chloride | <0.5
979GW09
Analyte | Follow-on RI
Vinyl Chloride | <0.5
979SB09
Program | Follow-on RI
Depth | 20.0'
Vinyl Chloride | <0.5
979GW05
Suppl. RI | Follow-on RI | Jan 1996 Qtr
loride | 0.370 | <0.393 | <0.5
979SB08
Program | Follow-on RI | Follow-on RI
Depth | 16.5' | 25.5'
Vinyl Chloride | <0.5 | <0.5
979SB07
Program | Follow-on RI
Depth | 20.0'
Vinyl Chloride | 2
979SB13
Program | Follow-on RI | Follow-on RI
Depth | 19.5' | 25.0'
Vinyl Chloride | 9.1 | <0.5
937GW42
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Vinyl Chloride | 2.0 | 8.3
937GW32
Analyte | Initial RI
Vinyl Chloride | < 12.000
937GW32R
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Vinyl Chloride | <5.0 | < 12
937GW43
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Vinyl Chloride | 1.3 | <0.50
937GW40
Analyte | Jan 1995 Qtr | Jan 1996 Qtr
Vinyl Chloride | <50 | <25
989
987
990
985
986
988
AVE.
ANDREWS
960
959
958
957
956
964
963
HOFFMAN ST
968
966
967
1234
1211
Tank
952
951
5


979SB04
ollow-on RI | Follow-on RI
20.0′ | 35.0′
:0.5 | <0.5
979SB03
Program | Follow-on RI | Follow-on RI | Follow-on RI
Depth | 20.0′ | 35.0′ | 45.5′
Vinyl Chloride | <0.5 | <0.5 | <0.5
979SB05
Program | Follow-on RI | Follow-
Depth | 20.0′ | 34.(
Vinyl Chloride | <0.5 | <0.5
Surface Trace
of Bedrock Outcrop
San Francisc
Shoreline
LONG
ANDREWS
AVE.
ROAD
Tank
937GW43
nalyte | Jan 1995 Qtr | Jan 1996 Qtr
nyl Chloride | 1.3 | <0.50
937GW40
nalyte | Jan 1995 Qtr | Jan 1996 Qtr
inyl Chloride | <50 | <25

)5	
ın RI '	Follow-on RI 34.0'
	<0.5

EXPLANATION

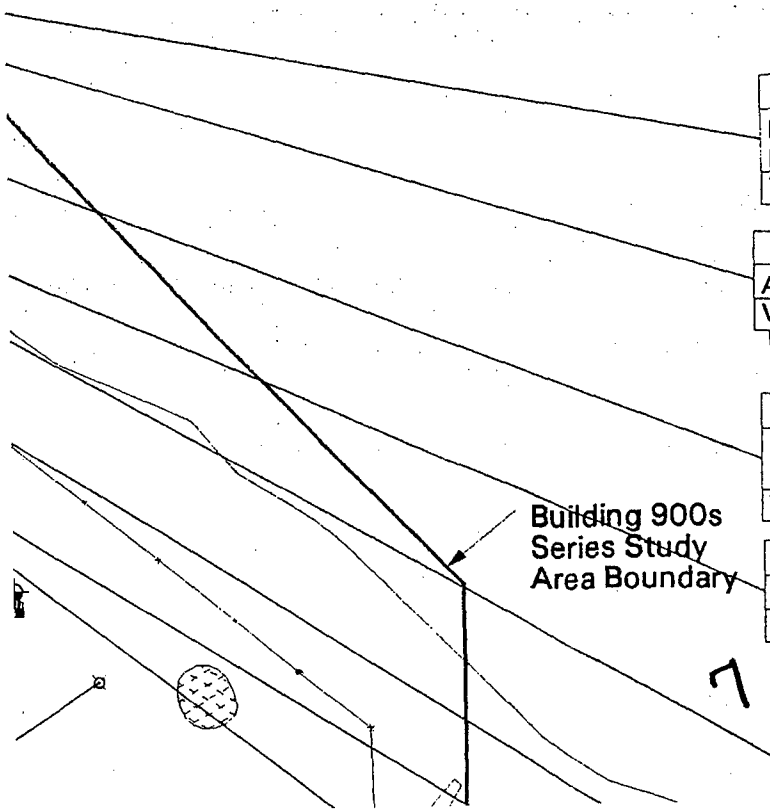
- DISCRETE GROUNDWATER SAMPLE
- SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- MONTGOMERY WATSON INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- MONTGOMERY WATSON DEEP MONITORING WELL
- DEEP MONITORING WELL WITH SOIL SAMPLES
- APPROXIMATE LOCATIONS OF USTs REMOVED DURING IRA
- APPROXIMATE LOCATIONS OF FORMER USTs
- STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS µg/L.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

an Francisco Bay



979SB02			
Program Depth	Follow-on RI 18.0'	Follow-on RI 35.0'	Follow-on RI 44.5'
Vinyl Chloride	<0.5	<0.5	<0.5

979GW10		
Analyte	Follow-on RI	Jan 1996 Qtr
Vinyl Chloride	<0.5	<0.5

979SB12		
Program Depth	Follow-on RI 27.5'	Follow-on RI 47.5'
Vinyl Chloride	<0.5	<0.5

979GW06			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Vinyl Chloride	<0.160	<0.393	<0.5

979SB06	
Program Depth	Follow-on RI 20.0'
Vinyl Chloride	