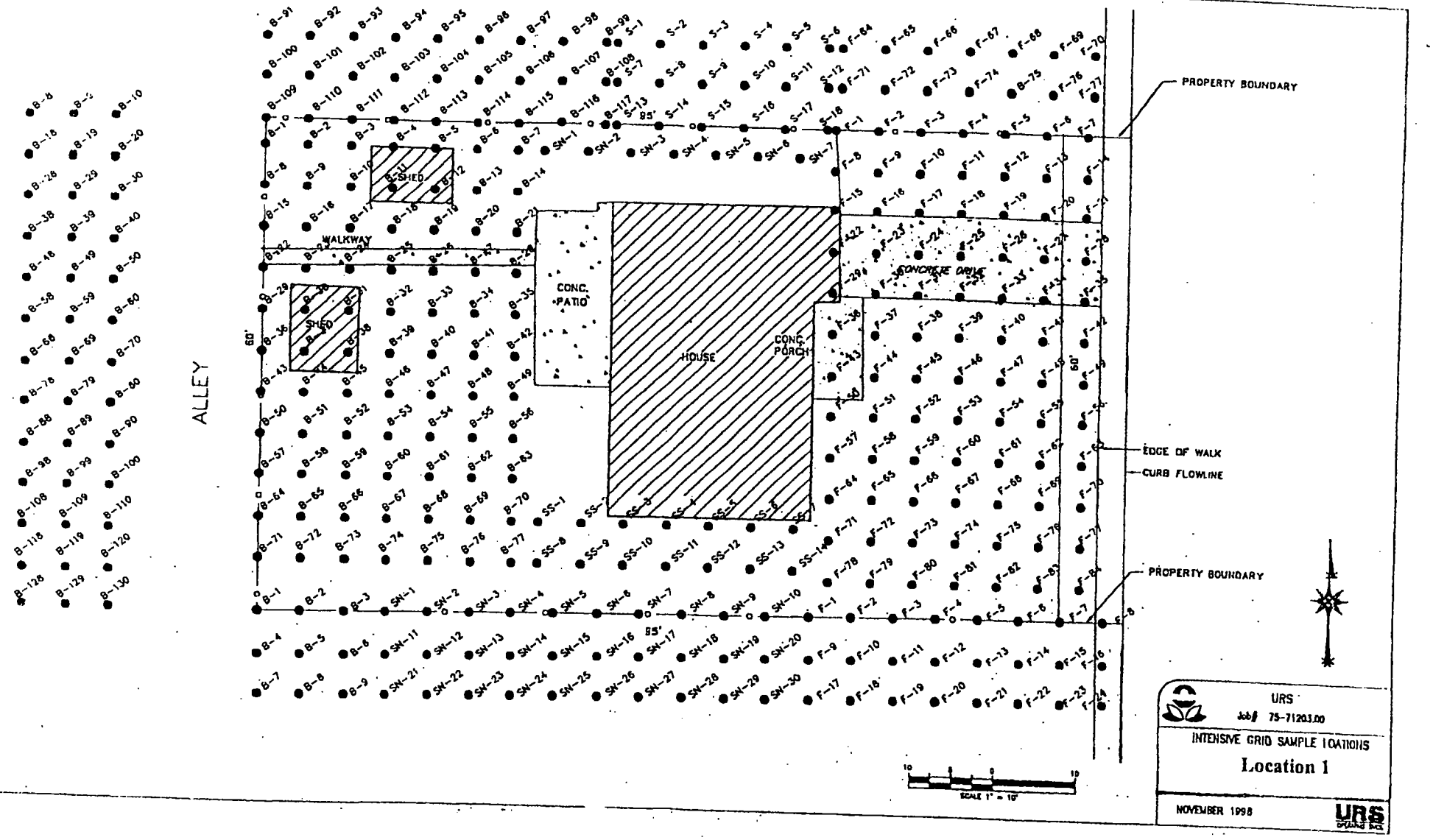
Vasquez Boulevard/I-70 Site

April 8, 1999

SDMS Document ID
2006879

Figure A.1.1. Sampling Grid for Location 1



Excerpt: Map Coordinates and Concentration Values for Surface Soils from 8 Residential Properties

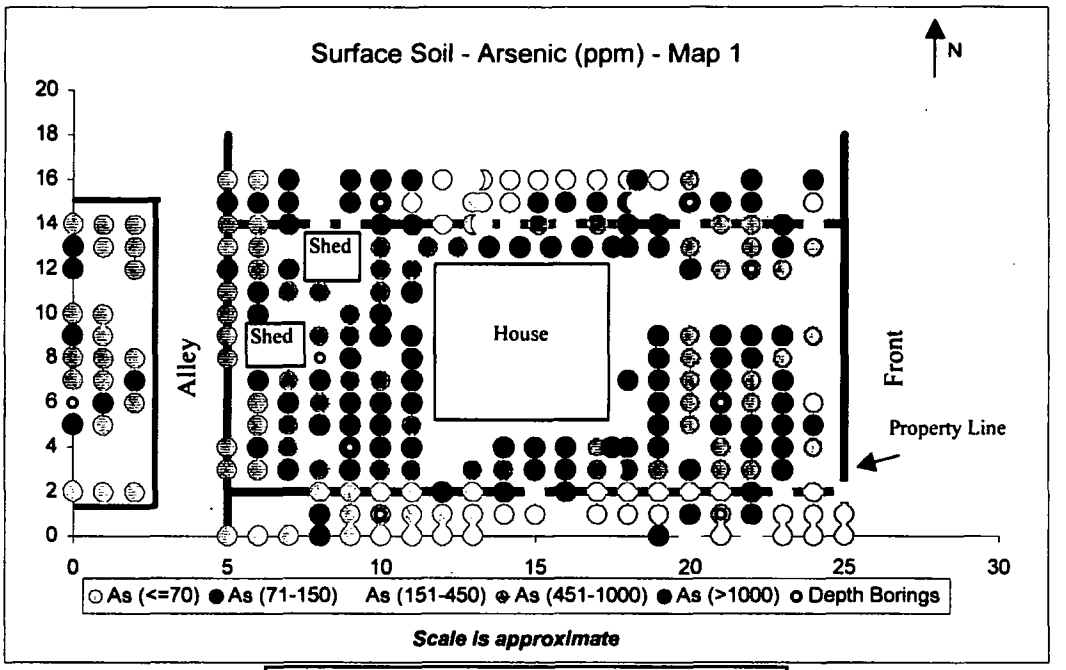
Map #	Field ID	CAD ID	X-Coord	Y-Coord	Concentration (ppm)			
					As	Pb	Cd	Zn
Map 1	C4701ELB-128	B-128	0.0	2.0	9	246	7	703
Map 1	C4701ELB-098	B-98	0.0	5.0	87	516	9	474
Map 1	C4701ELB-088	B-88	0.0	6.0	167	808	11	505
Map 1	C4701ELB-078	B-78	0.0	7.0	61	634	10	381
Map 1	C4701ELB-068	B-68	0.0	8.0	68	540	8	586
Map 1	C4701ELB-058	B-58	0.0	9.0	97	1206	14	897
Map 1	C4701ELB-048	B-48	0.0	10.0	56	1040	13	842
Map 1	C4701ELB-028	B-28	0.0	12.0	122	829	9	559
Map 1	C4701ELB-018	B-18	0.0	13.0	73	691	6	308

Color Chart(s)

The following pages contain color that does not appear in the scanned images.

To view the actual images, please contact the Superfund Records Center at (303) 312-6473.

Figure A.2.1. Surface Soil and Depth Profile for Arsenic Location 1



Summary Statistics	
N= 125 samples	Min= 9 ppm
Mean= 895 ppm	Max= 3105 ppm

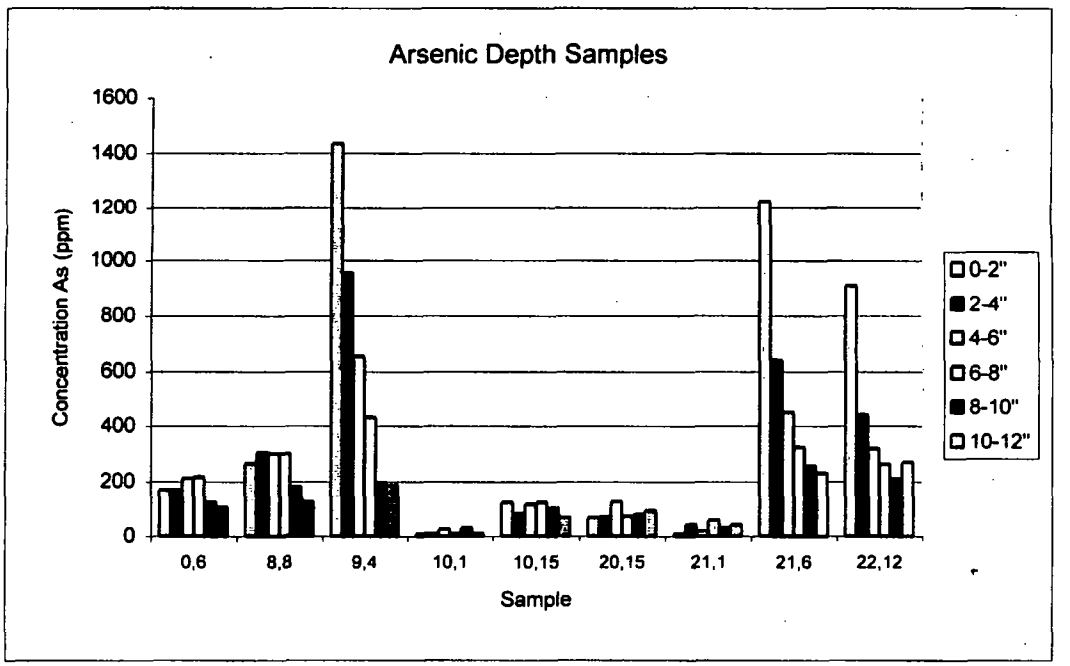
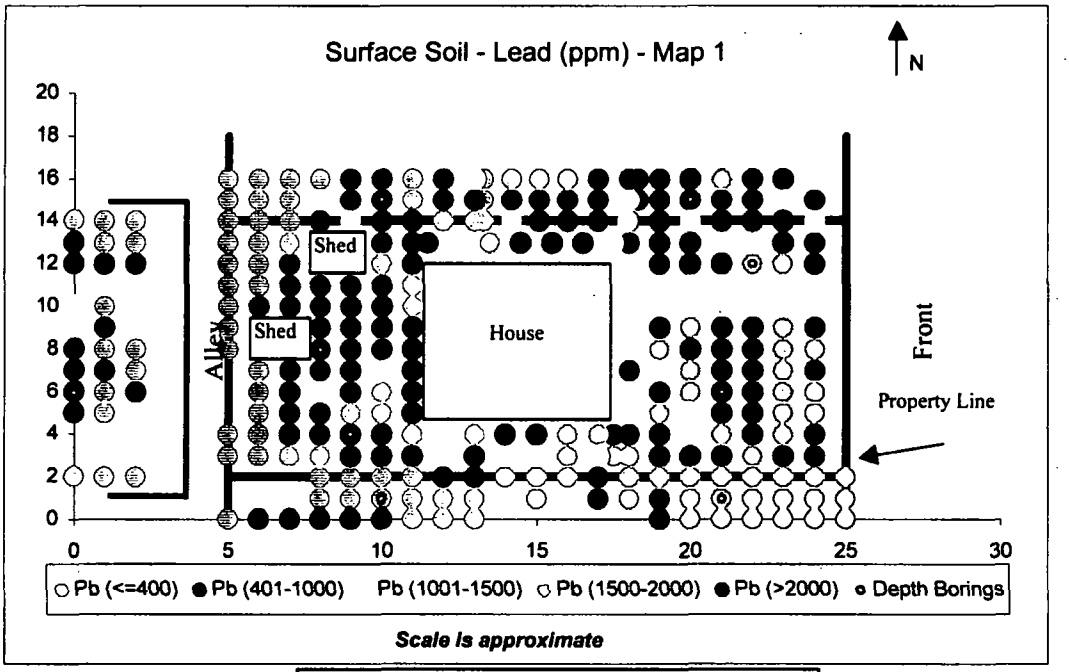


Figure A.2.9. Surface Soil and Depth Profile for Lead
Location 1



Summary Statistics	
N= 125 samples	Min= 212 ppm
Mean= 1595 ppm	Max= 4829 ppm

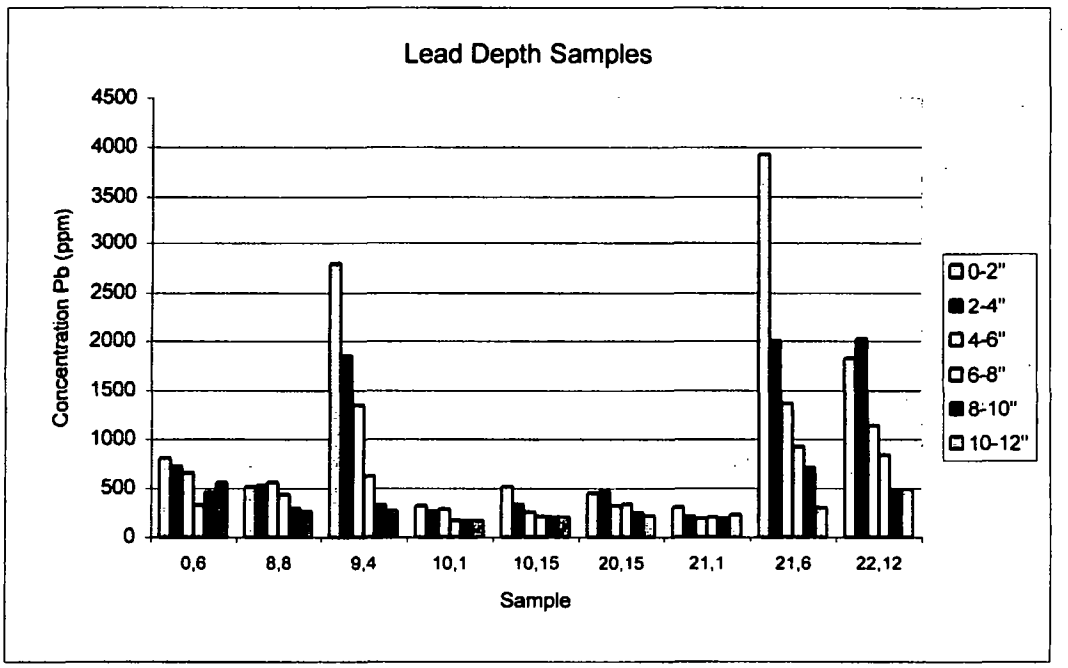
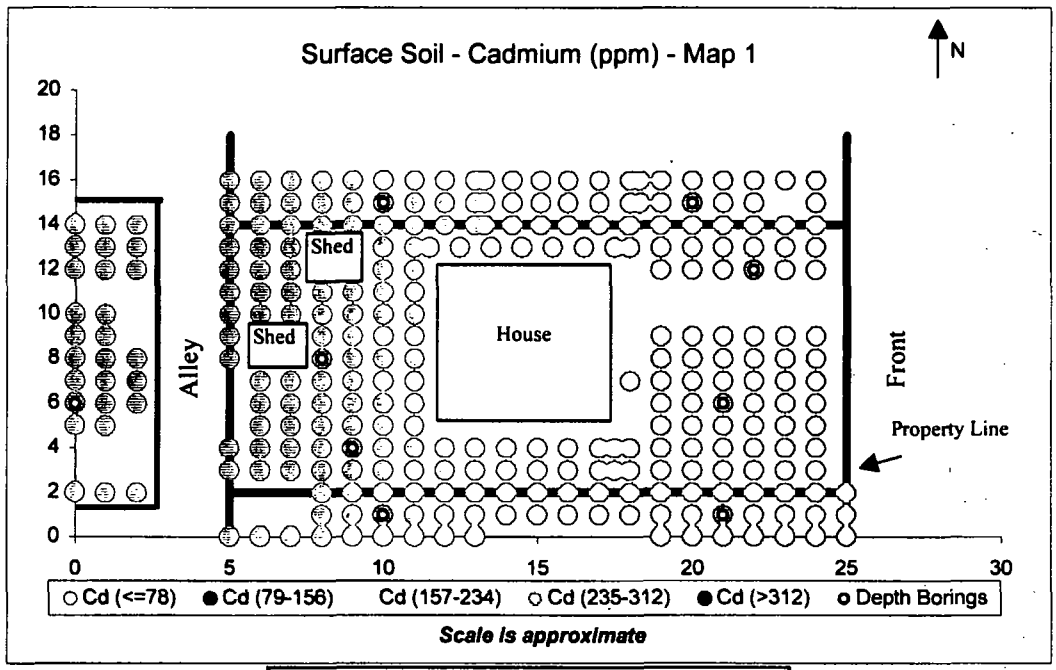


Figure A.2.17. Surface Soil and Depth Profile for Cadmium Location 1



Summary Statistics	
N= 125	Min= 2
Mean= 12	Max= 27

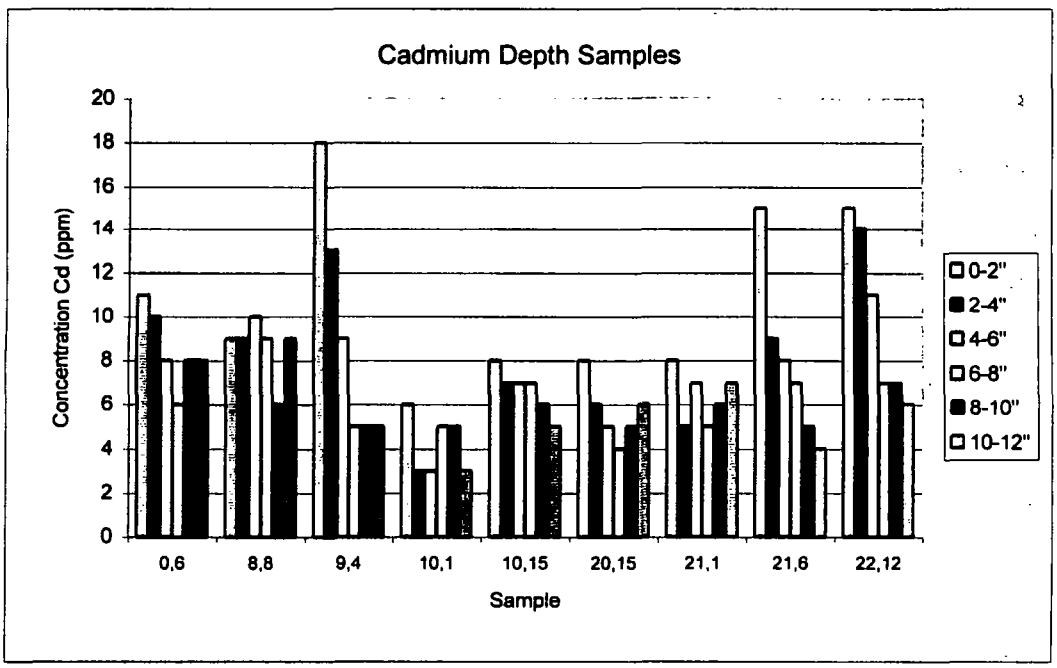
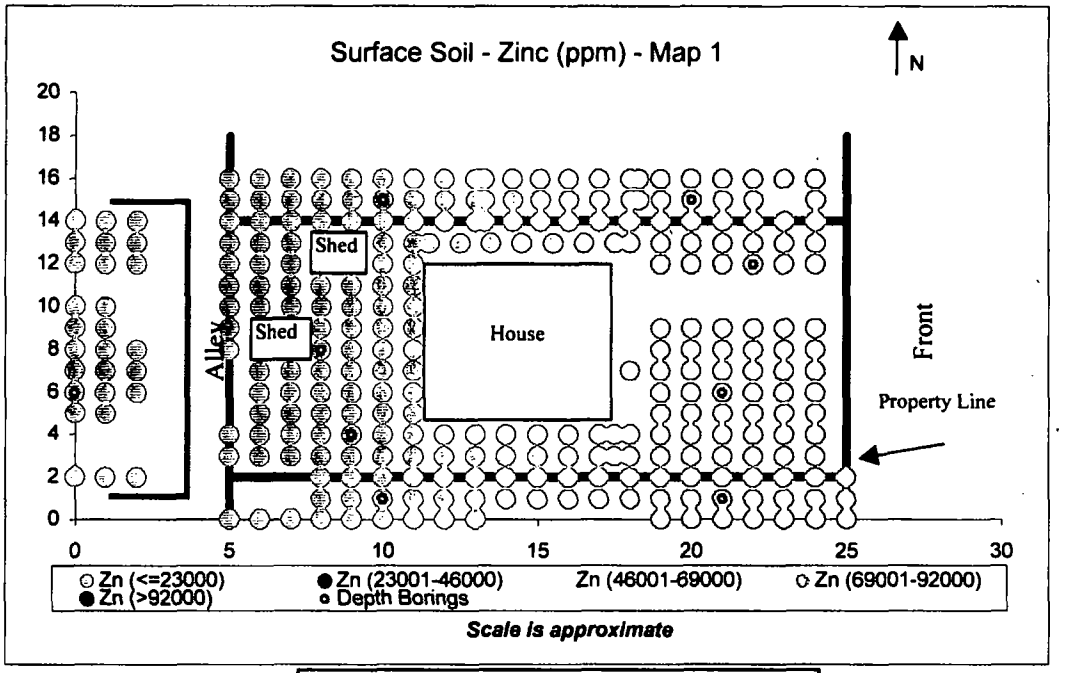


Figure A.2.25. Surface Soil and Depth Profile for Zinc
Location 1



Summary Statistics	
N= 125	Min= 159
Mean= 487	Max= 5003

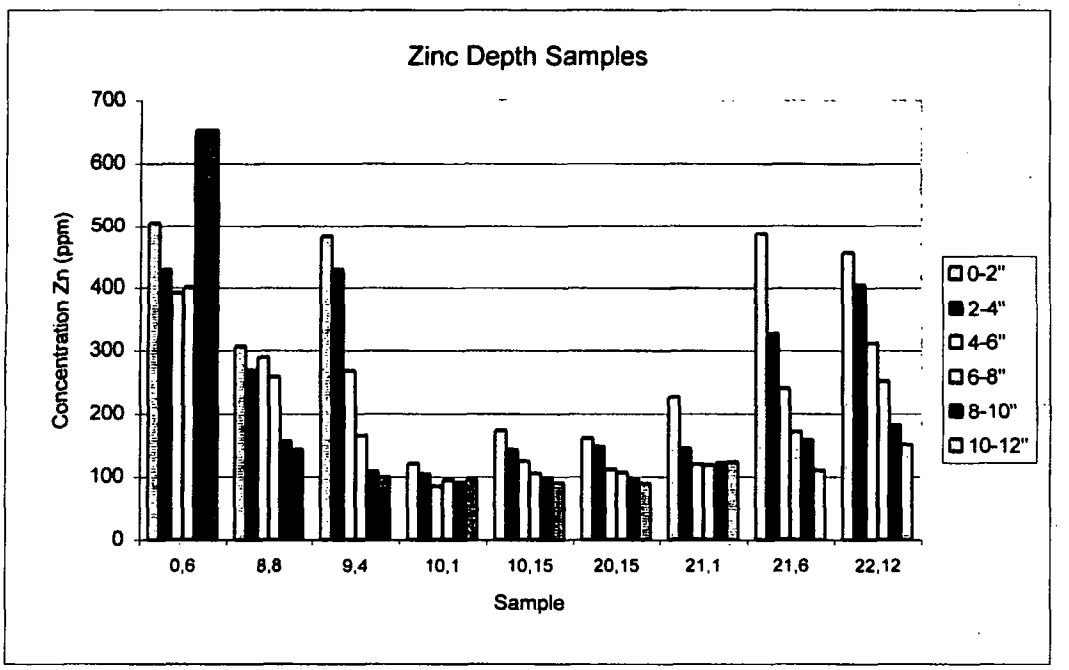


Figure A.3.1
Arsenic Concentrations - Location 1

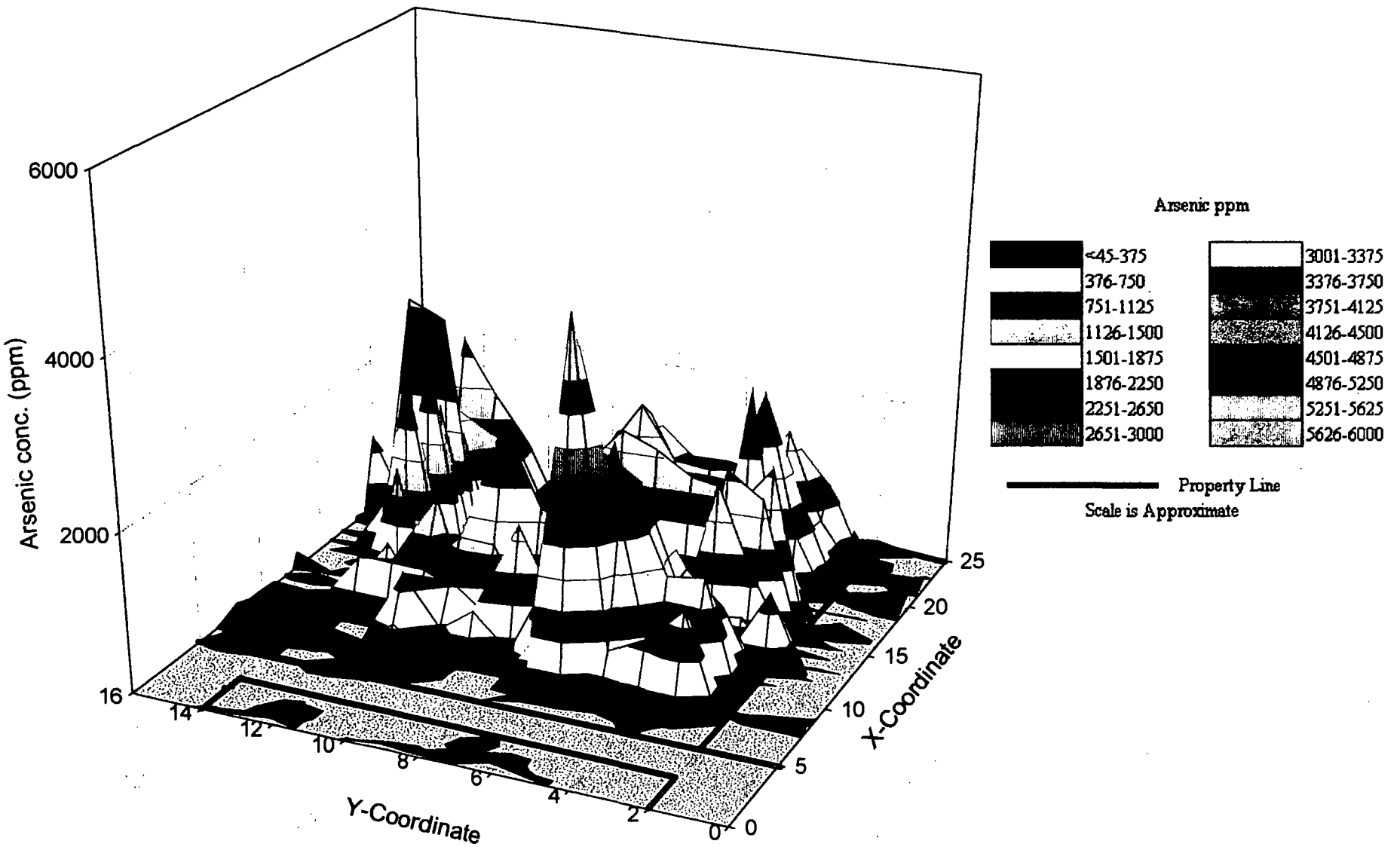


Figure A.4.1
Distribution of Arsenic at Location 1

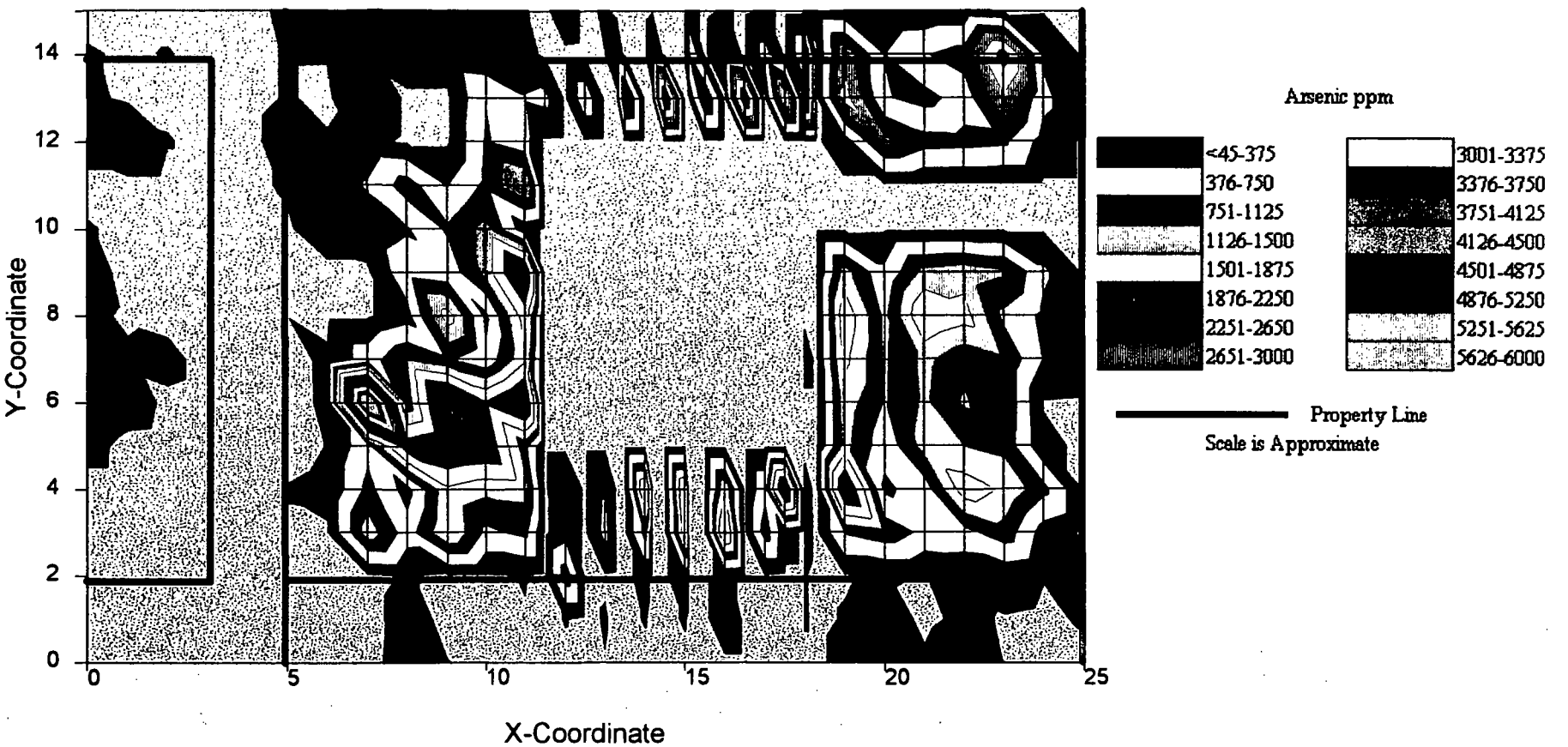


Figure A.3.9
Lead Concentrations - Location 1

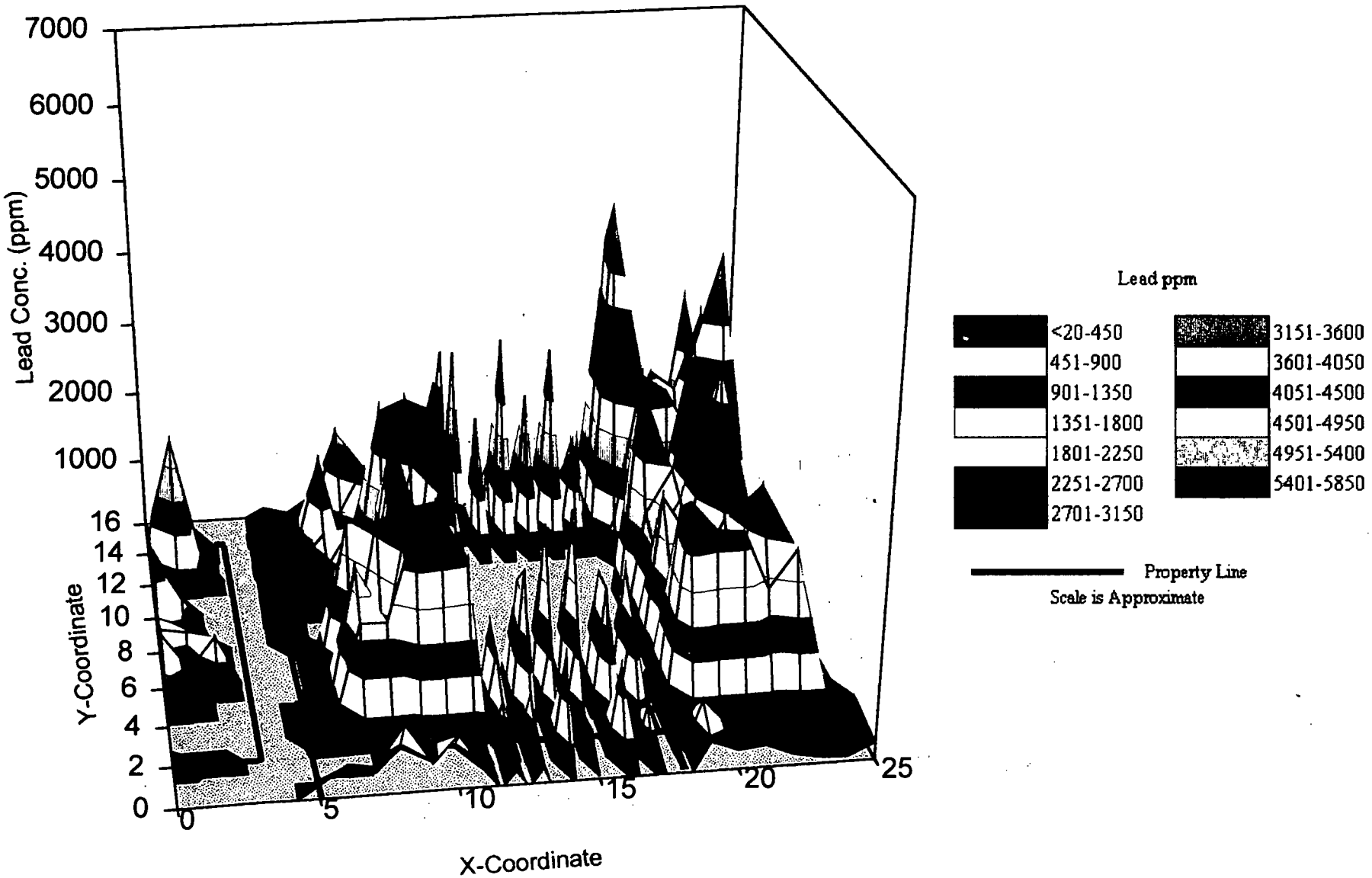


Figure A.4.9 Distribution of Lead for Location 1

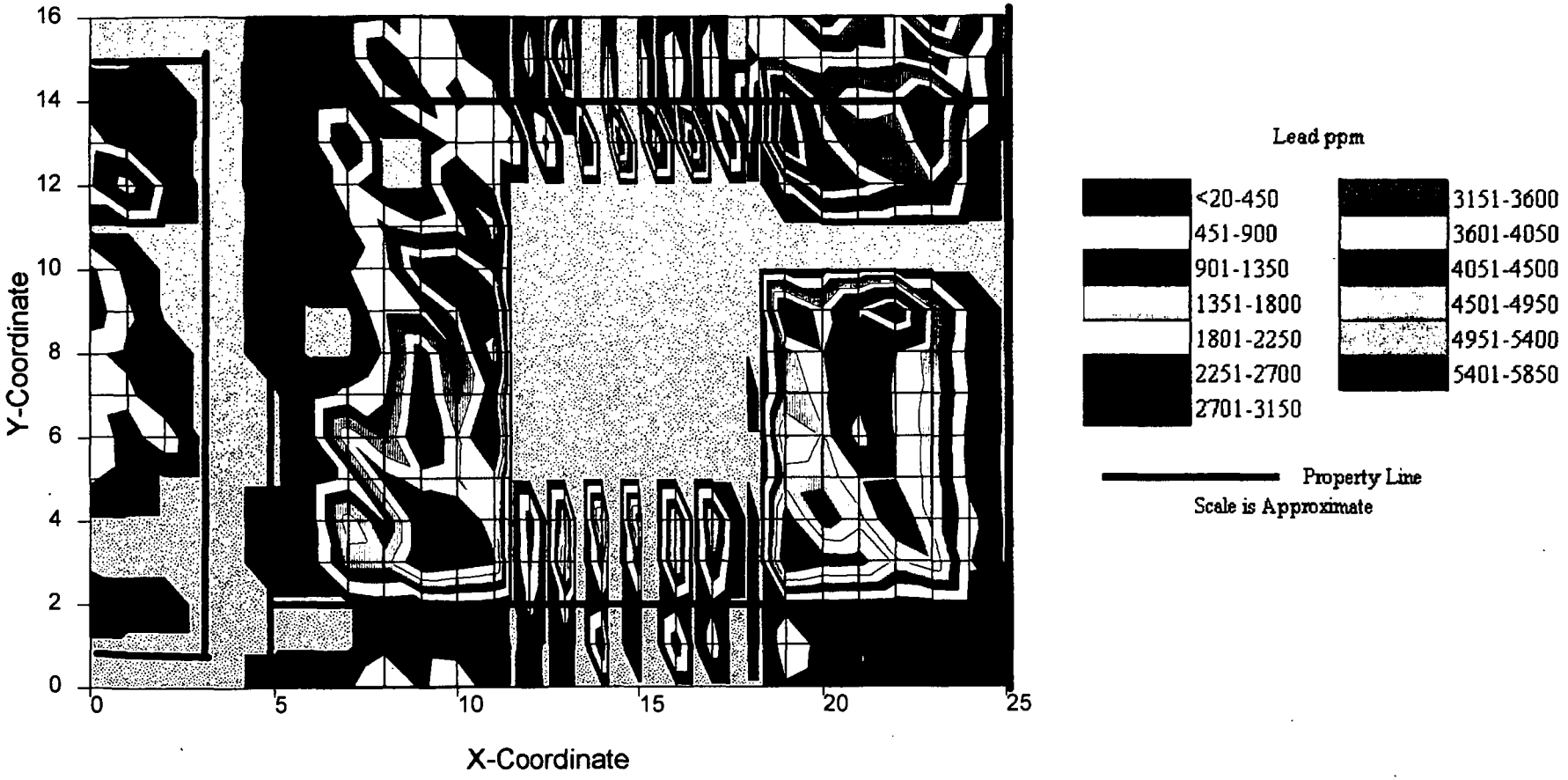
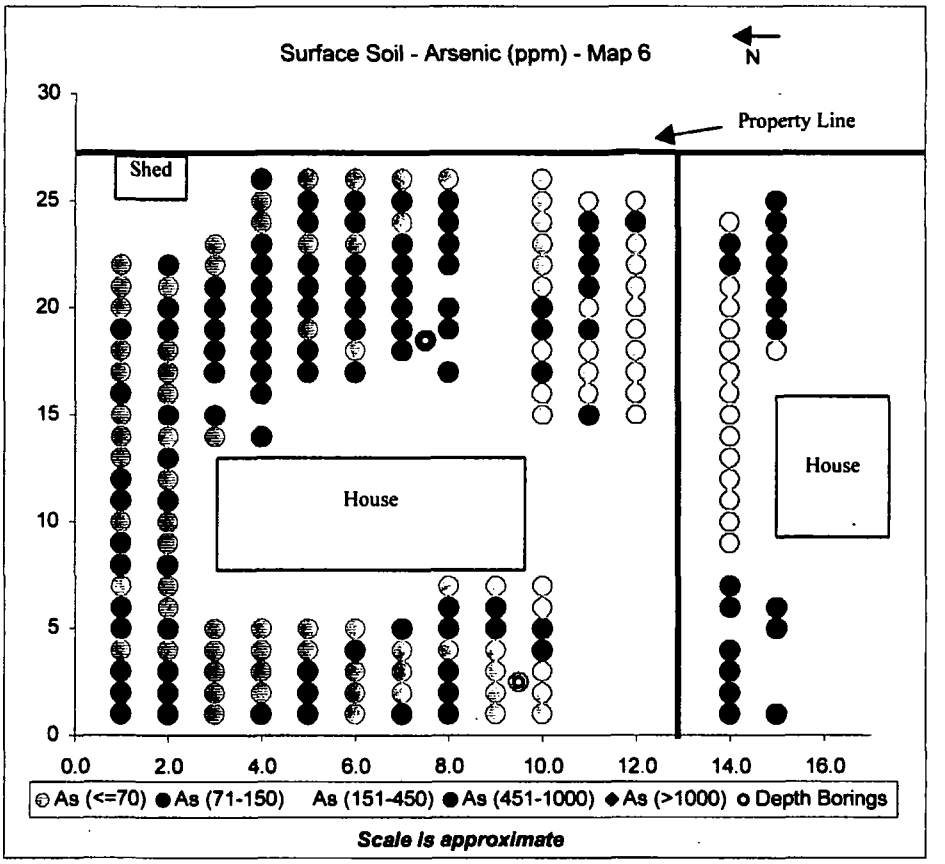


Figure A.2.6. Surface Soil and Depth Profile for Arsenic Location 6



Summary Statistics	
N= 190 samples	Min= 9 ppm
Mean= 78 ppm	Max= 343 ppm

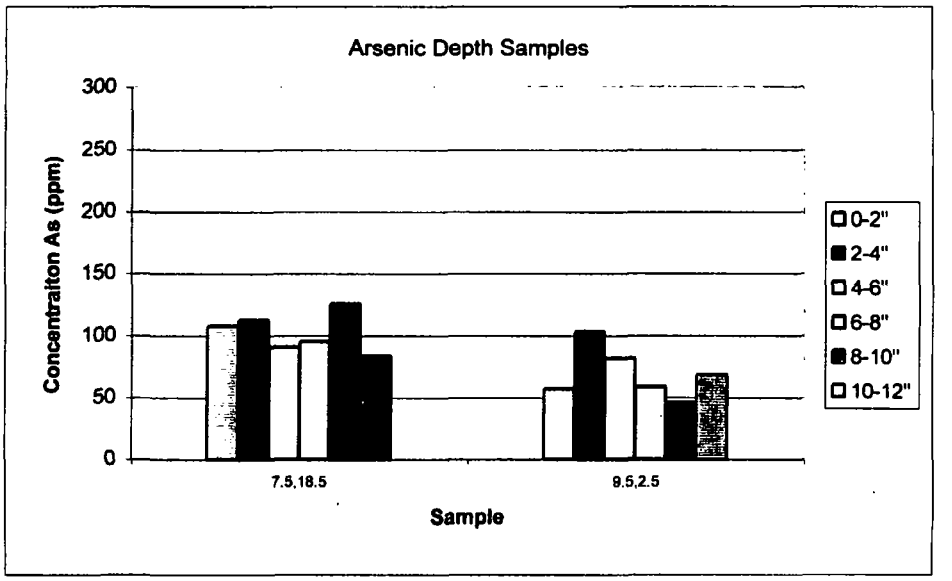
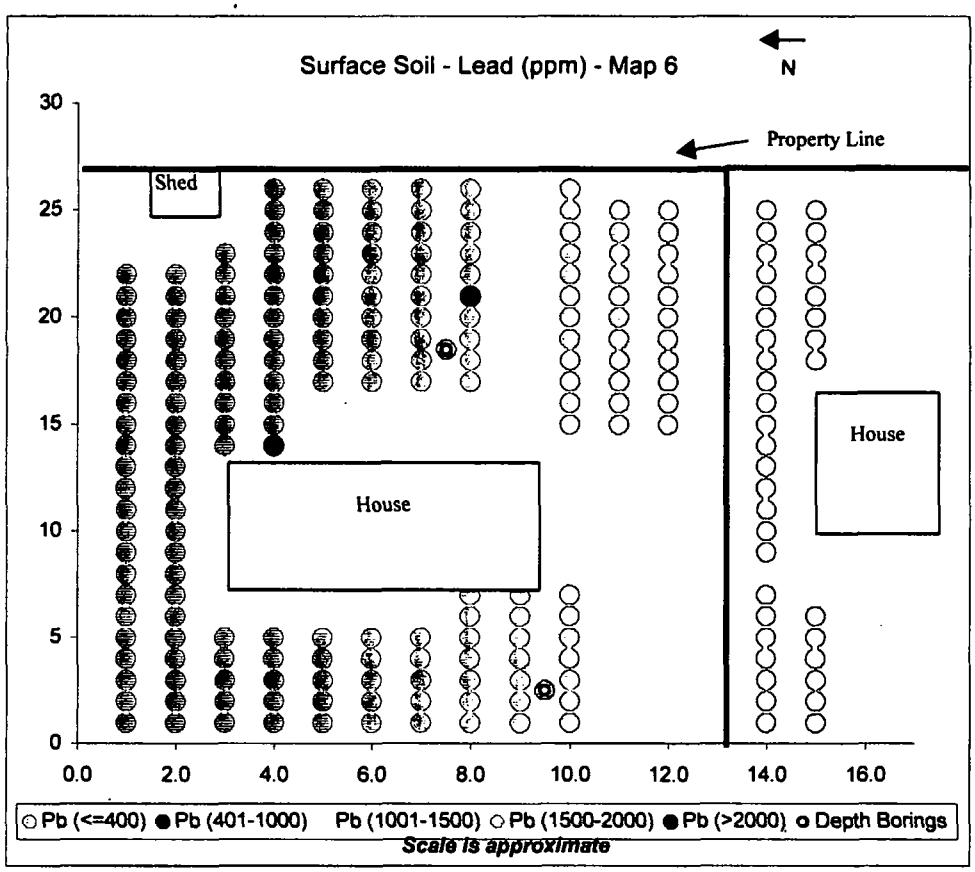


Figure A.2.14. Surface Soil and Depth Profile for Lead Location 6



Summary Statistics of Samples Collected	
N= 190 samples	Min= 51ppm
Mean= 135 ppm	Max= 469 ppm

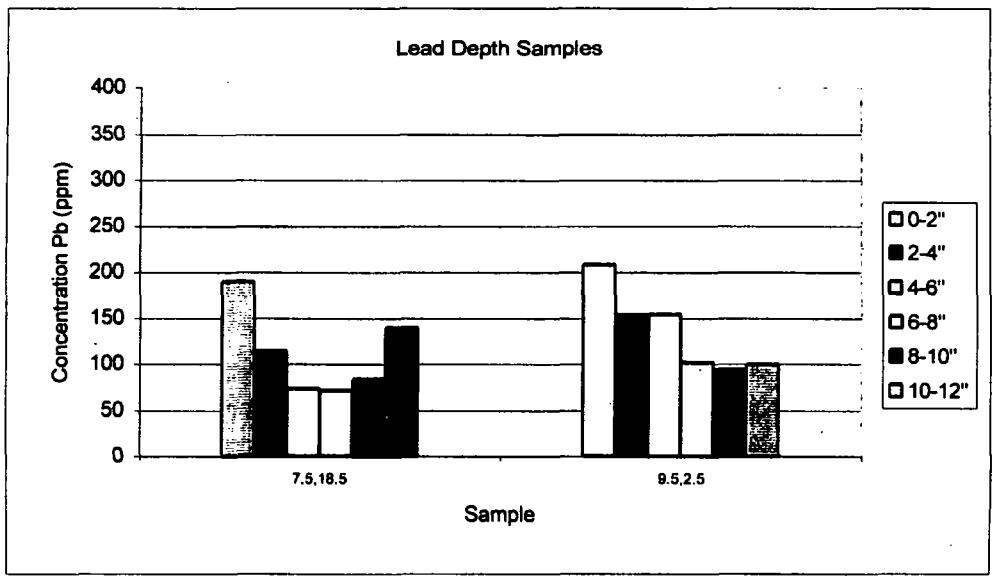


Figure A.3.6
Arsenic Concentrations - Location 6

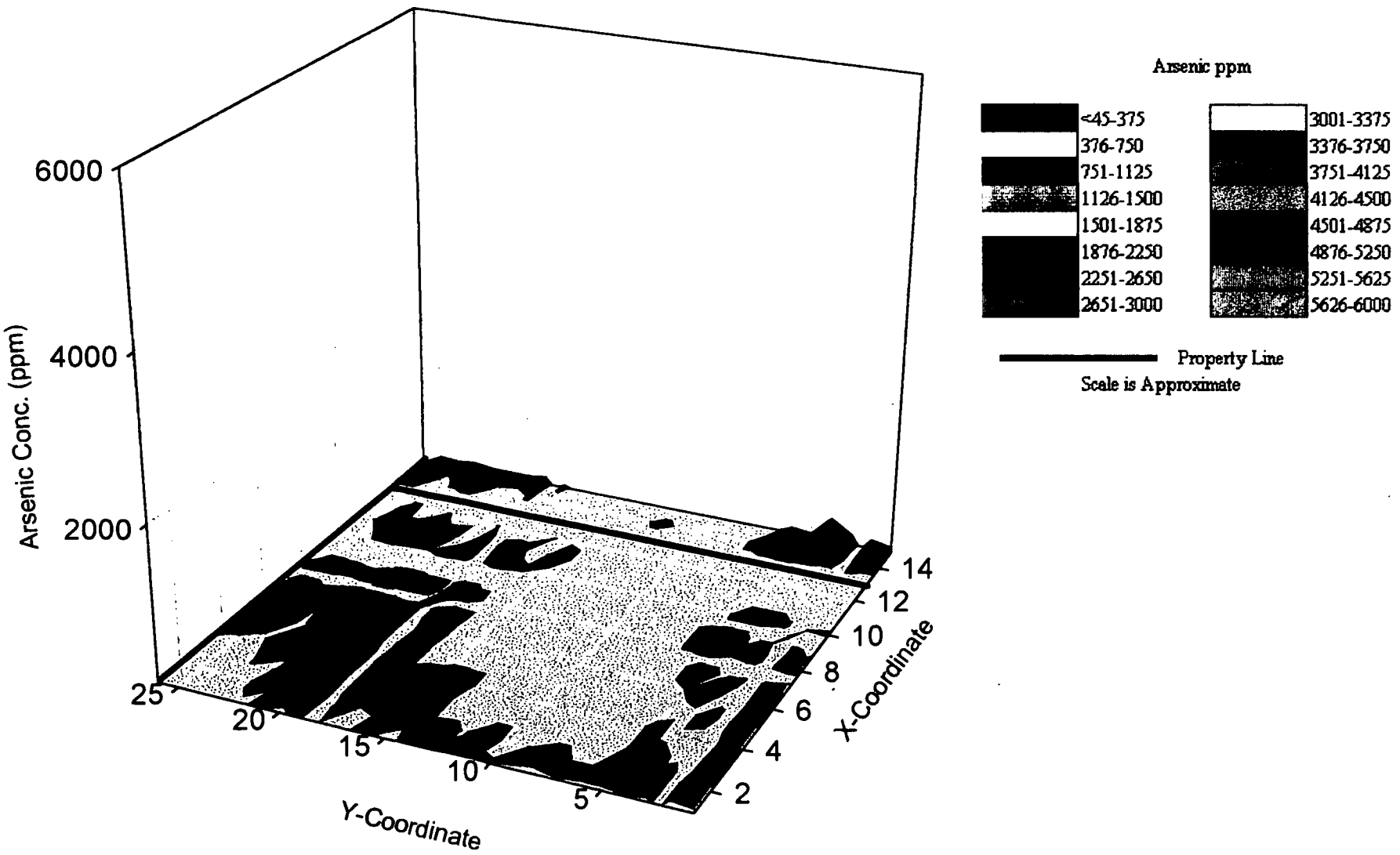


Figure A.4.6
Distribution of Arsenic at Location 6

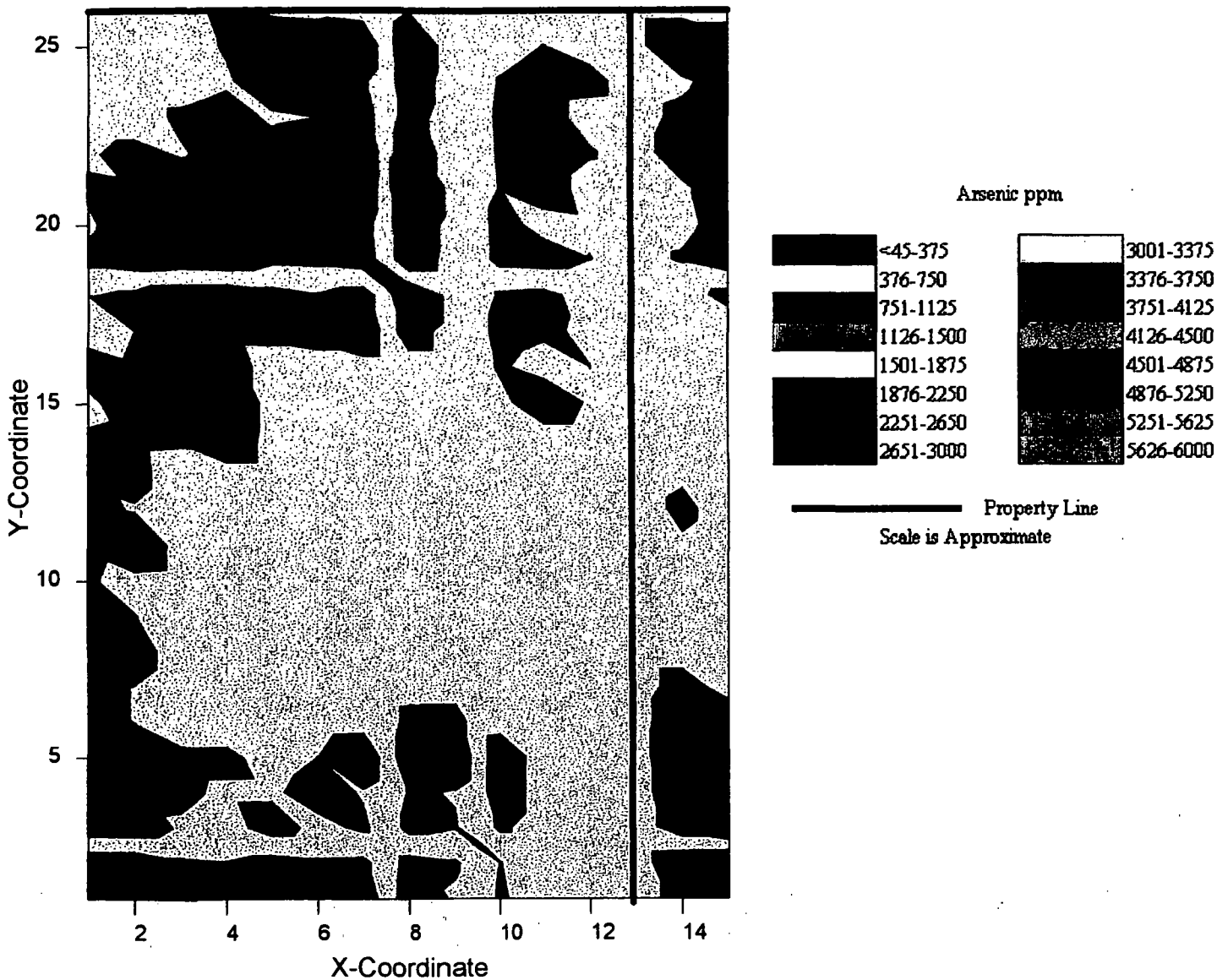


Figure A.3.14
Lead Concentrations - Location 6

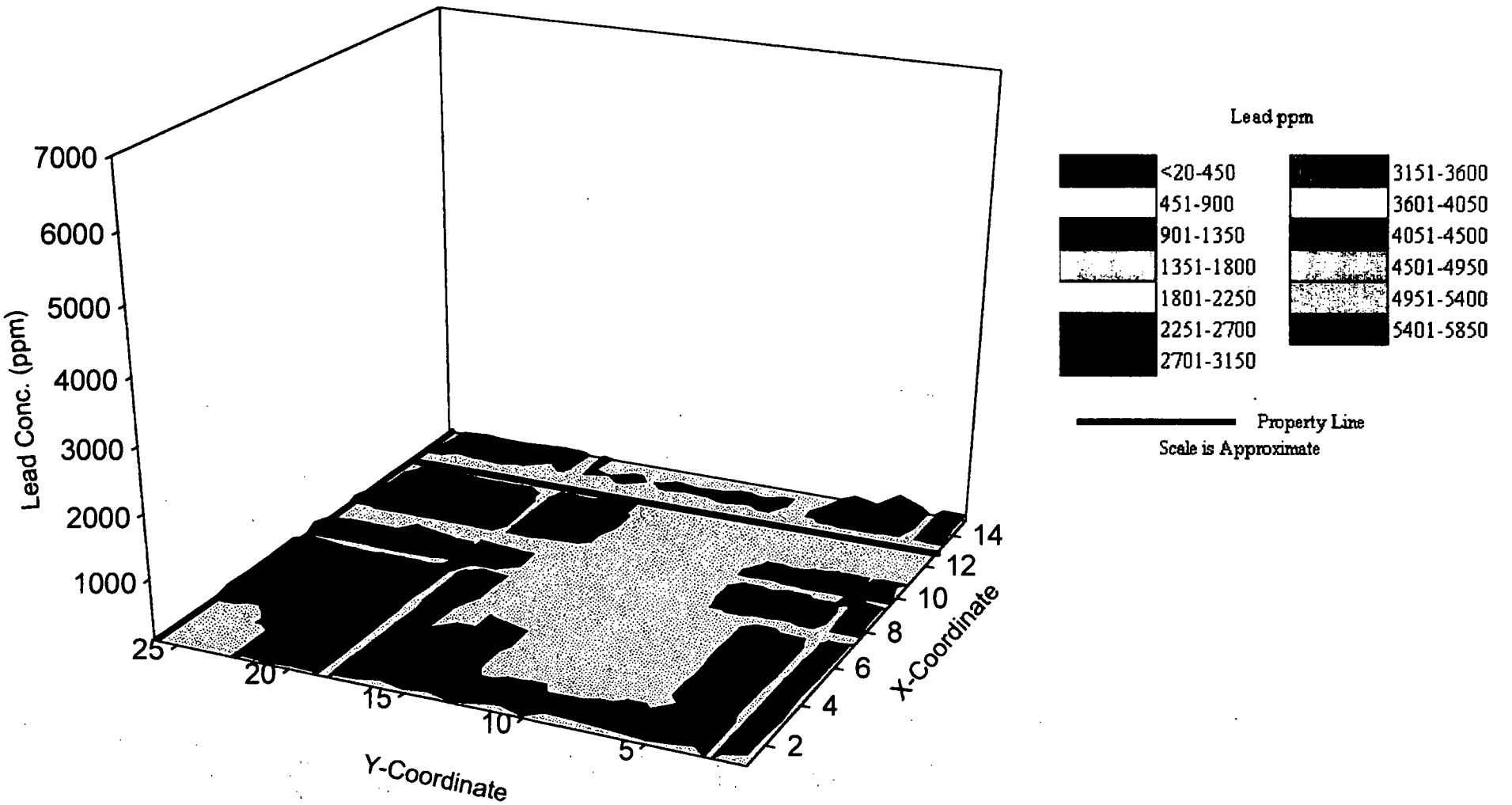


Figure A.4.14
Distribution of Lead at Location 6

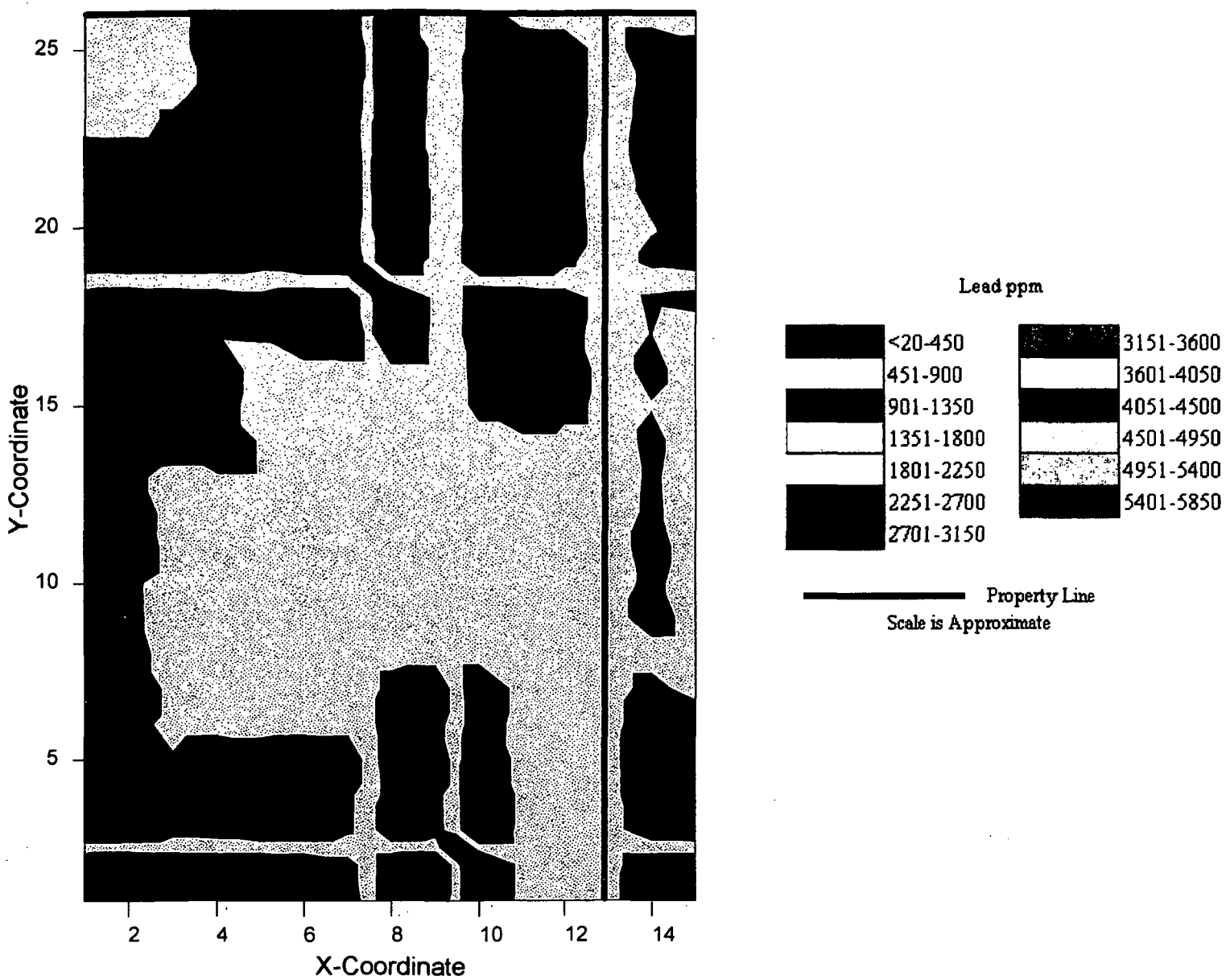


Table 3.2.2 Summary Statistics for Attic and Household Dust

Attic Dust

Analyte	ICP (ppm)					XRF (ppm)				
	N	DF	Mean	Min	Max	N	DF	Mean	Min	Max
As	8	2/8	58	53	62	9	7/8	230	53	499
Pb	8	8/8	1156	253	2900	9	9/9	1414	231	4106
Cd	8	8/8	58	21	173	9	9/9	56	7	275
Zn	8	8/8	2374	443	7218	9	9/9	2384	427	4538

Household Dust

Analyte	ICP (ppm)					XRF (ppm)				
	N	DF	Mean	Min	Max	N	DF	Mean	Min	Max
As	8	0/8	--	--	--	15	14/15	107	45	172
Pb	8	8/8	318	121	625	15	15/15	243	67	1145
Cd	8	8/8	18	5	44	15	15/15	18	6	39
Zn	8	8/8	661	254	1121	15	15/15	984	318	2002

TABLE 3.2.3. SUMMARY STATISTICS FOR LEAD IN TAP WATER

	N	Detection Frequency		Min.	Max.
		DF	%		
First Flush	12	5/12	42%	3	11.4
Post Flush	12	3/12	25%	3	6.0

Units in µg/L

TABLE B.4. Summary Statistics for Lead Paint Measured on Removal Properties

Location	Stats	Concentration (mg Pb/cm2)			
		Total	<1	1-5	>5
Total Property	N	144.0	14	87.0	43.0
	Minimum	0.3	0.3	1.0	5.5
	Maximum	19.0	0.9	5.0	19.0
	Mean	4.4	0.6	2.4	9.8
Interior	N	89.0	11	55.0	23.0
	Minimum	0.3	0.3	1.0	5.6
	Maximum	19.0	0.9	5.0	19.0
	Mean	4.2	0.6	2.2	10.6
Exterior	N	55.0	3	32.0	20.0
	Minimum	0.4	0.4	1.0	5.5
	Maximum	14.4	0.5	4.9	14.4
	Mean	4.8	0.4	2.7	8.9

TABLE B.6. ANALYTICAL RESULTS FOR VEGETABLES AND GARDEN SOIL

Sample Type	Concentration (ppm)							
	Q	Arsenic	Q	Cadmium	Q	Lead	Q	Zinc
Mint	U	1.0	U	0.50	U	5.0		15.5
Potato	U	1.0	U	0.50	U	5.0		4.3
Co-located Garden Soil		4.3	U	0.54		40.3		62.9
Yard Soil (Mean)		710	U	290		690		149

Collected at Residence J.

Table 3.3.1. Summary Statistics for the Biomonitoring Program

Lead	
	Lead In Blood
N Total	15
Benchmark	10
N Detection Limits > Benchmark	0
Min	1
Max	4
Geomean	2.2
N > Benchmark	0

Lead in blood units: µg/dL blood

Arsenic						
Medium	Units	N Total	Benchmark (ug/g)	Maximum Detection	Range of Non-detects	Non-detects > Benchmark
Hair	µg/g hair	15	1	0.41	0.26-1.32	2
Urine	µg/L	15	--	--	10-20	--
Urine	µg/g creatinine	15	50	--	5.8-135	5

-- Not Applicable

Table 3.3.2 Blind QC Standards for Blood Lead Analysis

Control Name	Control Number	Certified Lead Concentration (µg /dL)	Measured Lead Concentration (µg/dL)	% Recovery	Acceptance Limits (%)
Blood 3658	1307	**15.3**	**13**	**85**	**85-115**
Blood 3658	1312	**15.3**	**13**	**85**	**85-115**

TARGET SHEET

EPA REGION VIII

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