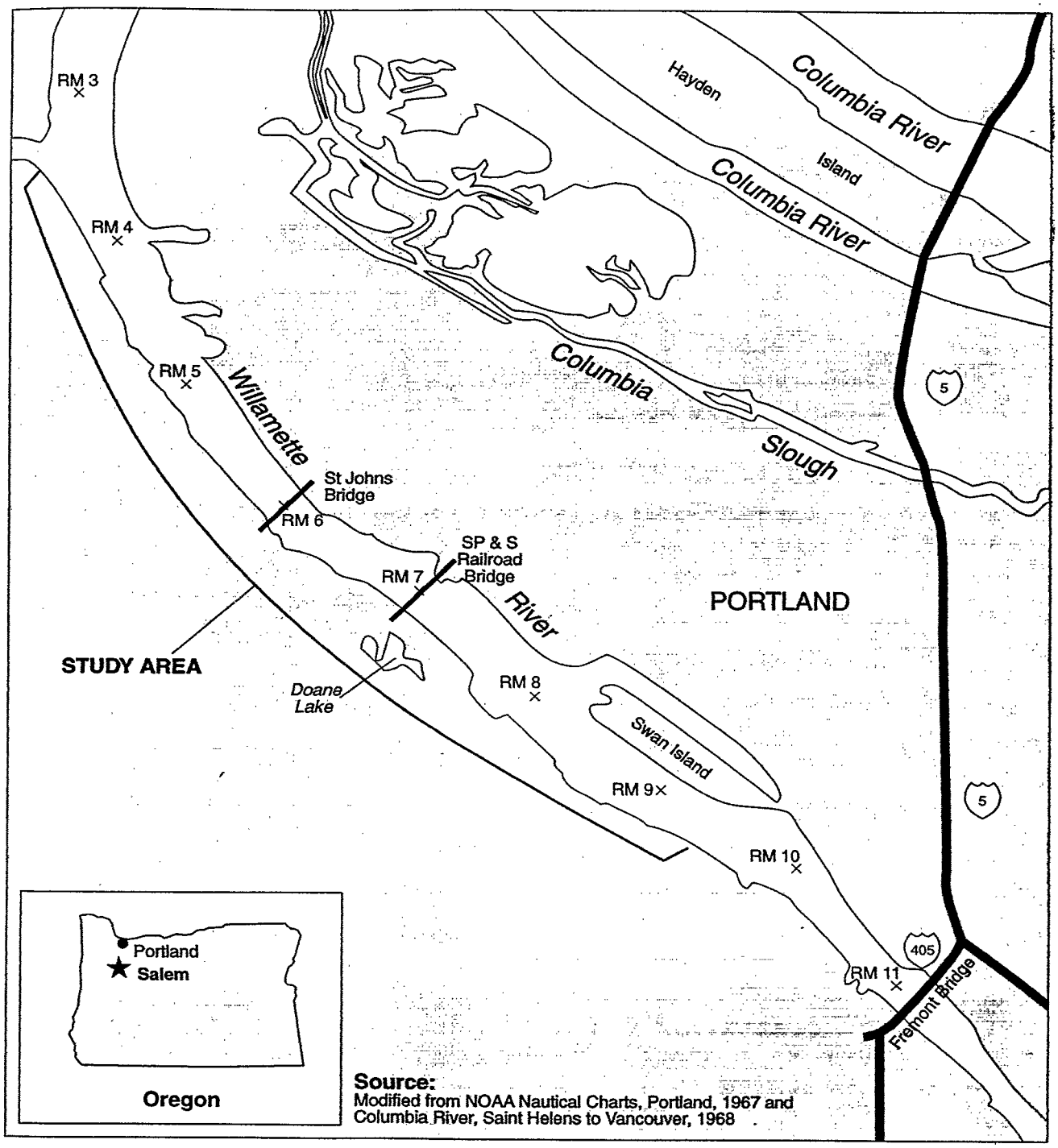
FIGURES



EXPLANATION

RM 1 River Mile Marker with Identification

0 1/2 1

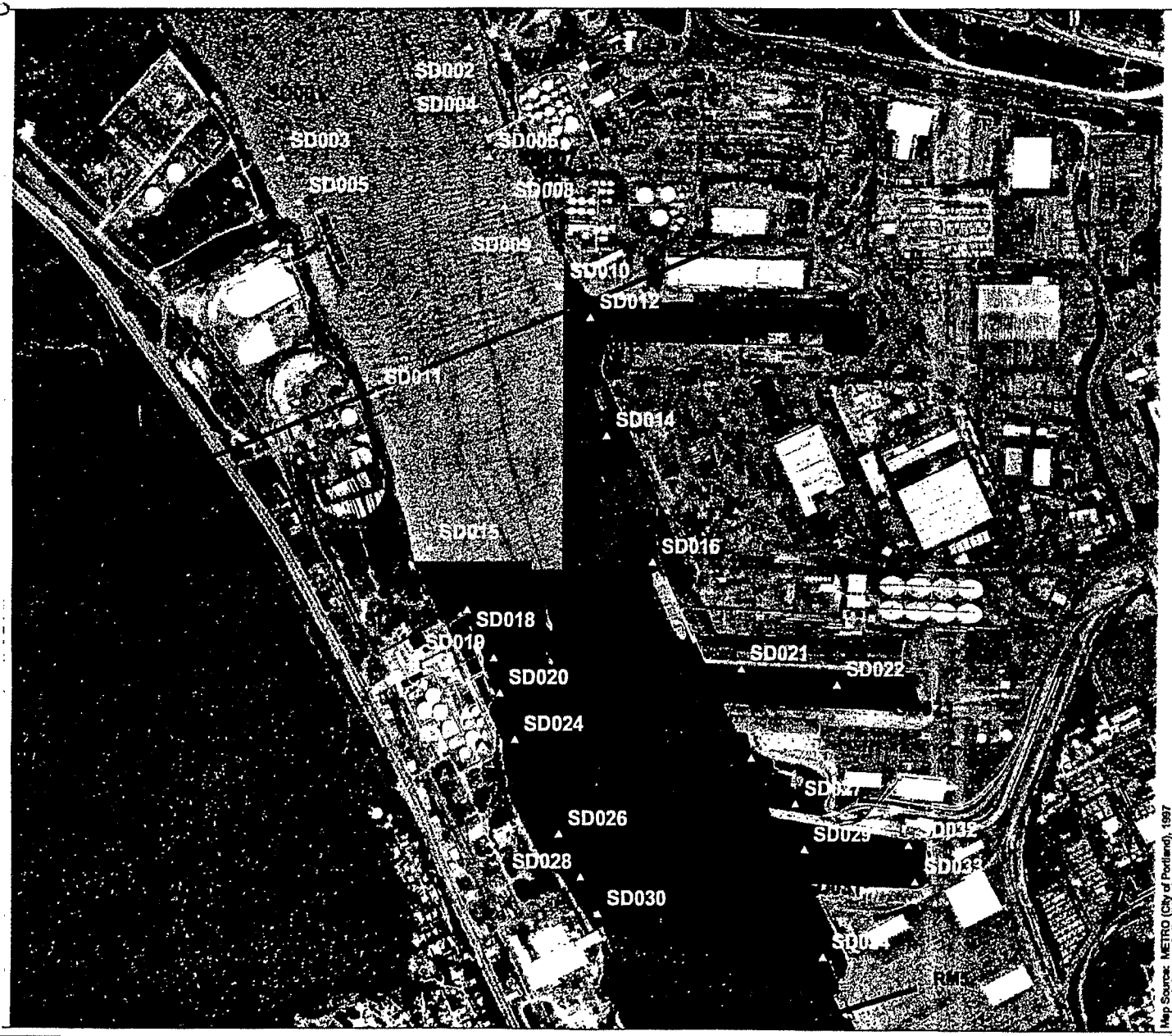
Scale in Miles

Portland Harbor Sediment Investigation
Portland, OR
Study Area

WESTON MANAGERS DESIGNERS/CONSULTANTS

98-0232 Fig1-1.fh7

FIGURE
1-1



Portland Harbor Sediment Investigation Portland, Oregon

Surface and Subsurface Sediment Sampling Locations Between RM 3.5 and RM 5.0

EXPLANATION:

Stations

▲ Surface and subsurface sediments sampling location

Surface sediment sampling location

N

500 0 500 1000 Feet

WESTON

Figure 3-1

98-0067.APR

Portland Harbor Sediment Investigation Portland, Oregon

Surface and Subsurface Sediment Sampling Locations Between RM 5.0 and RM 6.0

EXPLANATION:

Stations

▲ Surface and subsurface sediments sampling location
Surface sediment sampling location

-C Indicates core sample could not be co-located with surface sediment sampling location due to subsurface obstruction and/or insufficient recovery.

Note: SD-054 was not collected due to insufficient recovery.

N

500 0 500 1000 Feet

Map Source: METRO (City of Portland), 1997

WESTON

Figure
3-2

98-0067.APR

Portland Harbor Sediment Investigation Portland, Oregon

Surface and Subsurface Sediment Sampling Locations Between RM 6.0 and RM 7.0

EXPLANATION:

Stations

▲ Surface and subsurface sediments sampling location
Surface sediment sampling location

N

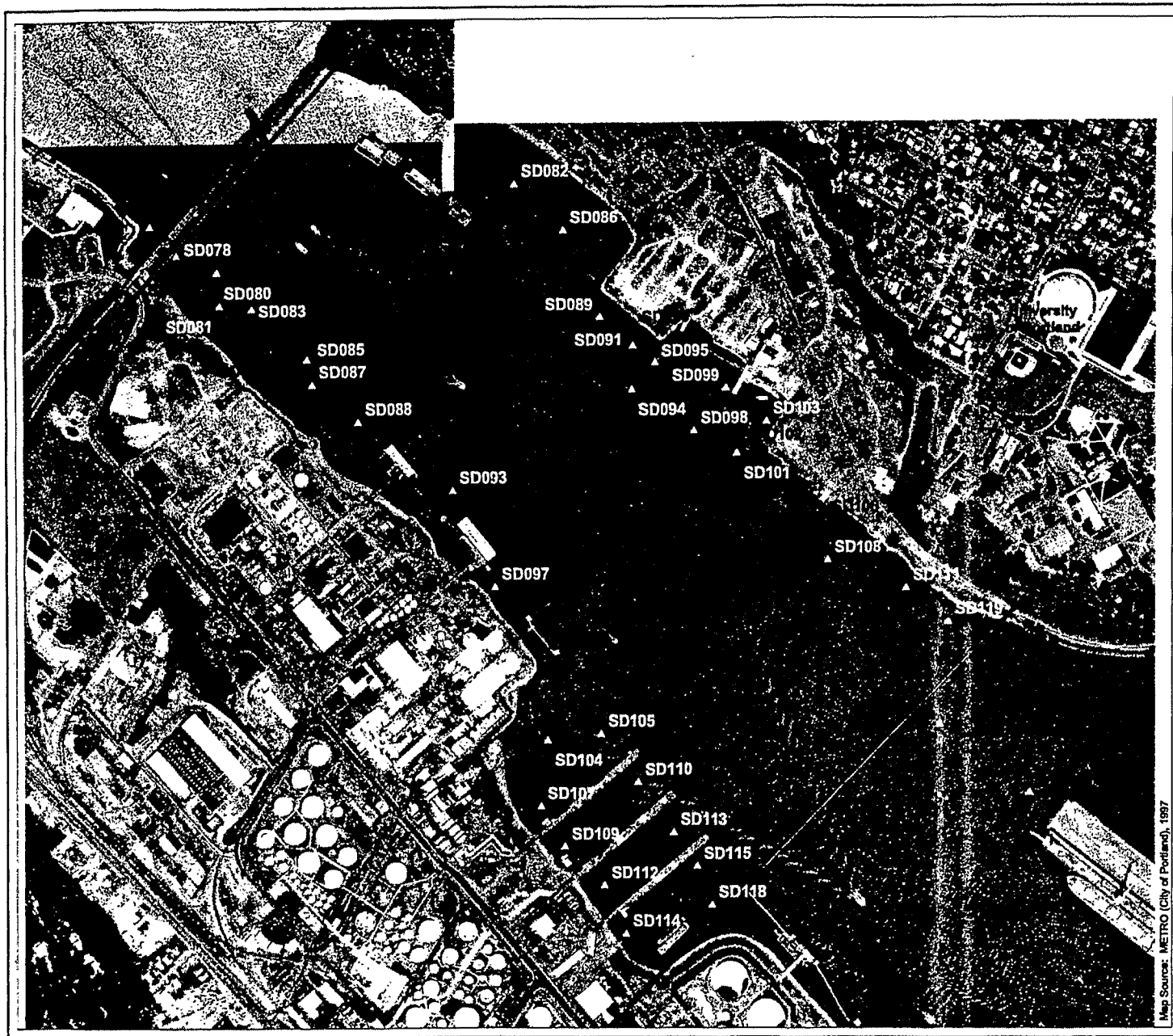
500 0 500 1000 Feet

WESTON

Figure
3-3

0031

98-0067.APR



Portland Harbor Sediment Investigation Portland, Oregon

Surface and Subsurface Sediment Sampling Locations Between RM 7.0 and RM 8.0

EXPLANATION:

Stations

▲ Surface and subsurface sediment sampling location
Surface sediment sampling location

-C Indicates core sample could not be co-located with surface sediment sampling location due to subsurface obstruction and/or insufficient recovery.

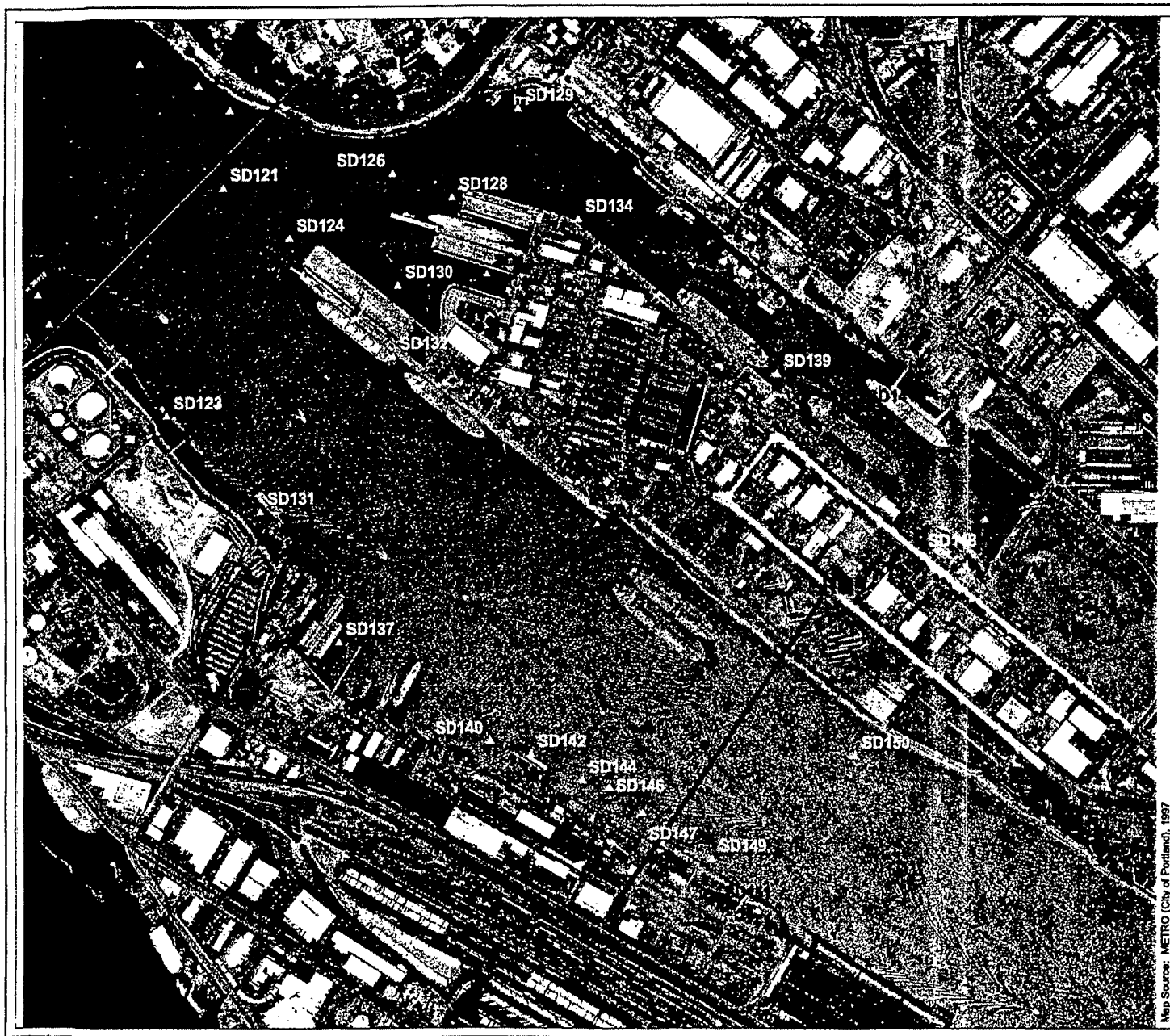
N

500 0 500 1000 Feet

WESTON

Figure
3-4

98-0067.APR



Portland Harbor Sediment Investigation Portland, Oregon

Surface and Subsurface Sediment Sampling Locations Between RM 8.0 - RM 9.5

EXPLANATION:

Stations

▲ Surface and subsurface sediment sampling location

Surface sediment sampling location

N

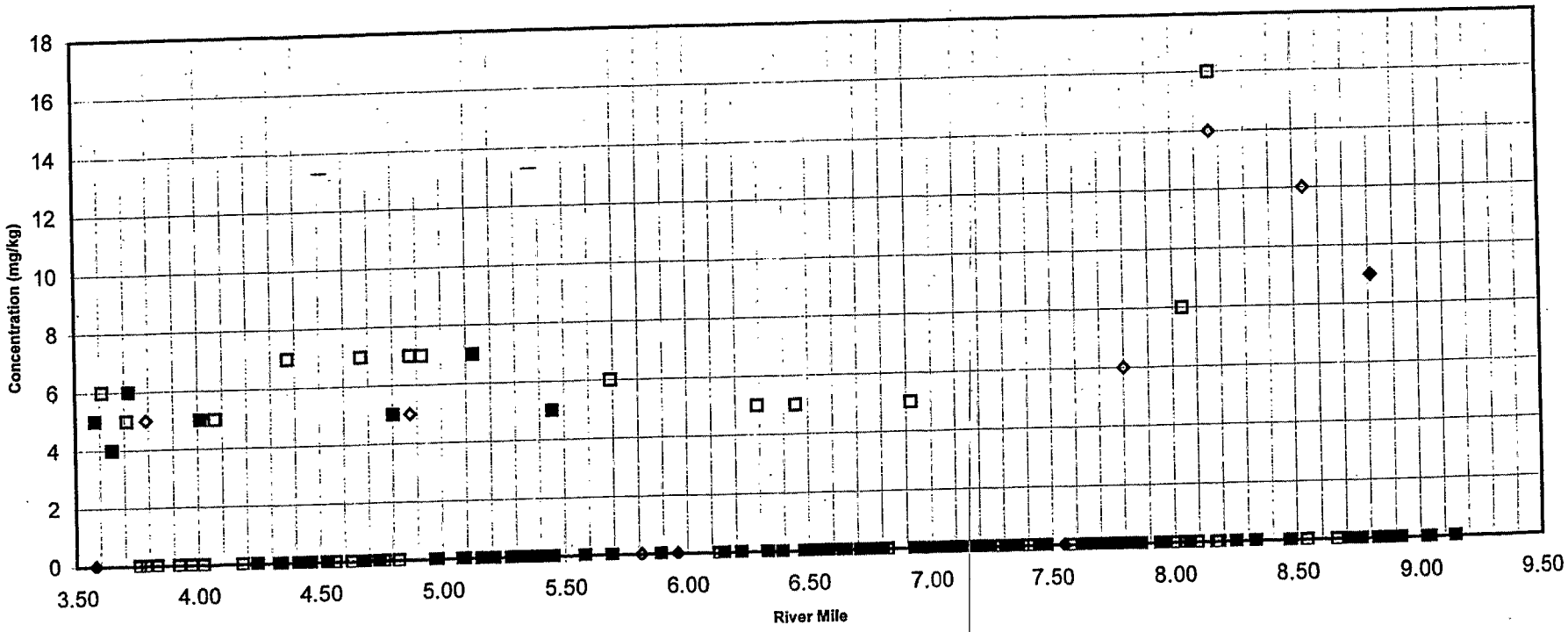
500 0 500 1000 Feet

WESTON

Figure 3-5

98-0067.APR

0033



◇ Subsurface sediment sample, North Portland side Willamette River
□ Surface sediment sample, North Portland side of Willamette River
◆ Subsurface sediment sample, Northwest Portland side of Willamette River
■ Surface sediment sample, Northwest side of Willamette River

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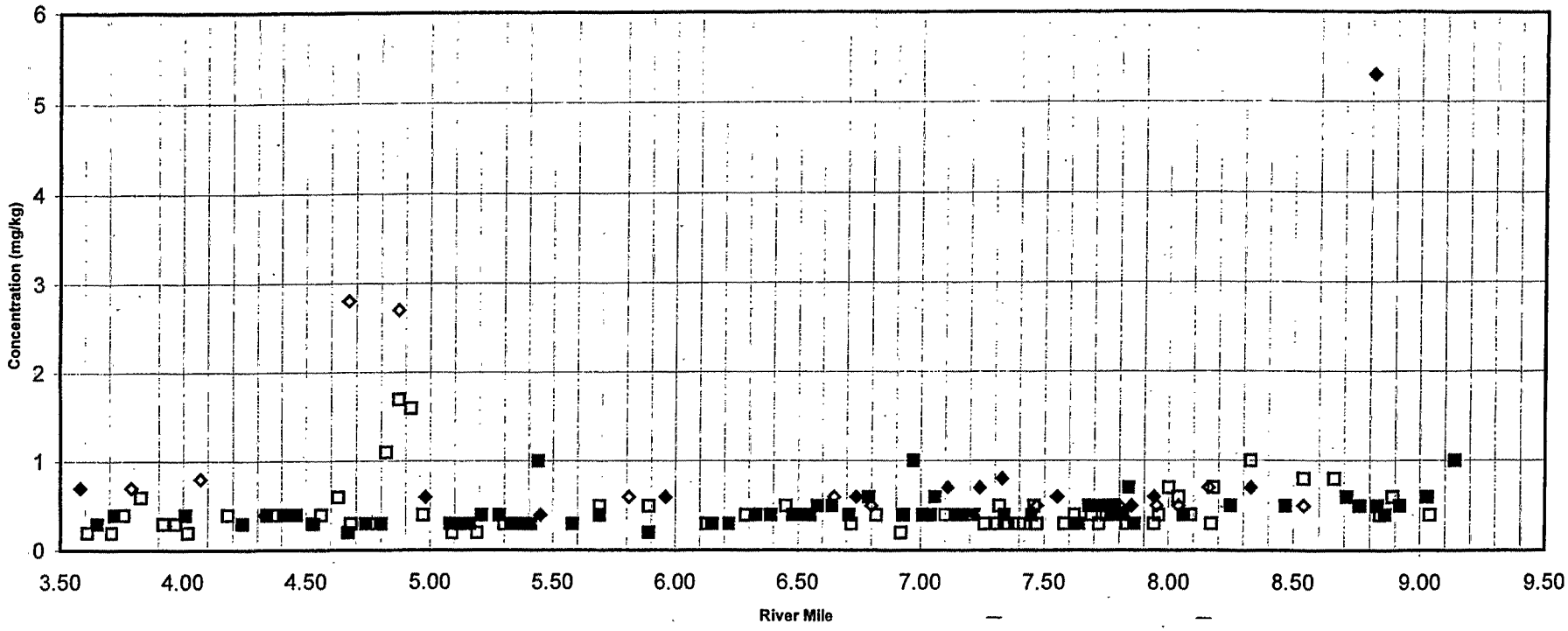
Willamette River
Arsenic Concentrations per River Mile

Figure
4-1

98-0288.fig

0034



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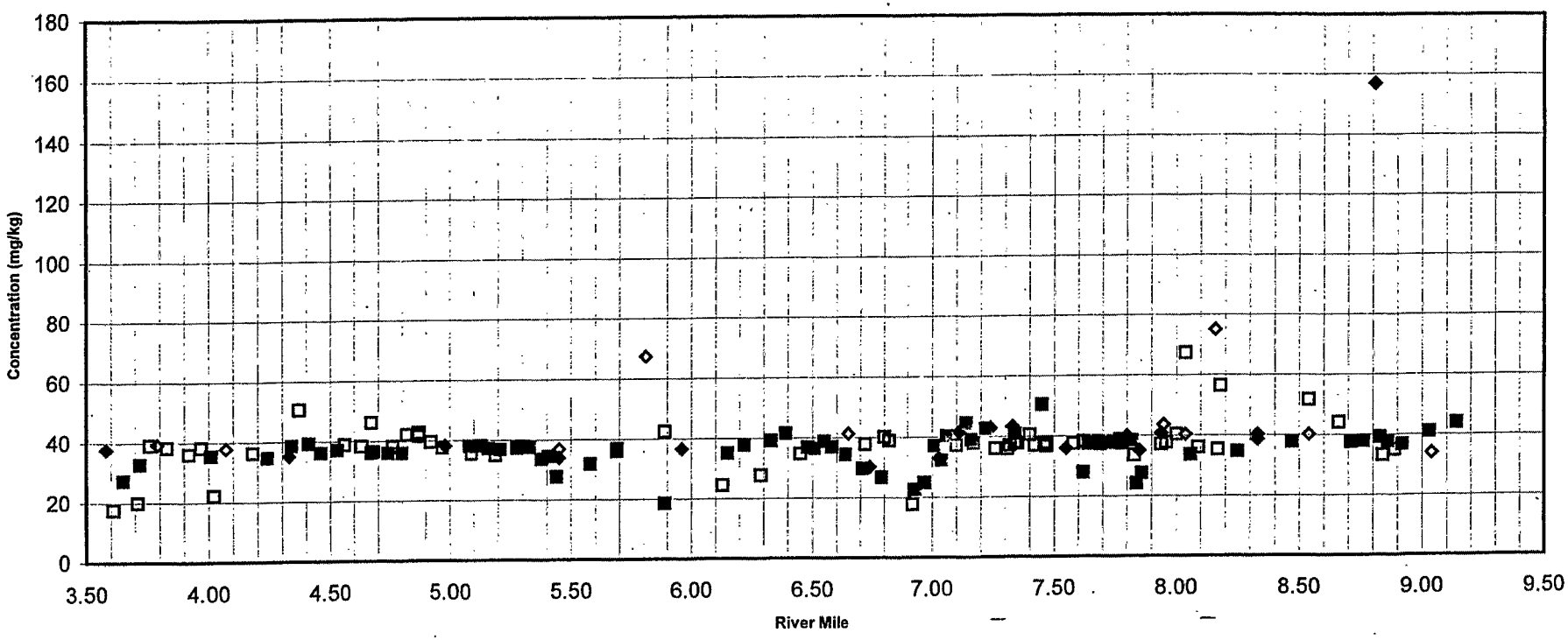
- Subsurface sediment sample, North Portland side Willamette River
- Surface sediment sample, North Portland side of Willamette River
- Subsurface sediment sample, Northwest Portland side of Willamette River
- Surface sediment sample, Northwest side of Willamette River

Willamette River
Cadmium Concentrations per River Mile

Figure
4-2

98-0288.fig



◇ Subsurface sediment sample, North Portland side Willamette River
□ Surface sediment sample, North Portland side of Willamette River
◆ Subsurface sediment sample, Northwest Portland side of Willamette River
■ Surface sediment sample, Northwest side of Willamette River

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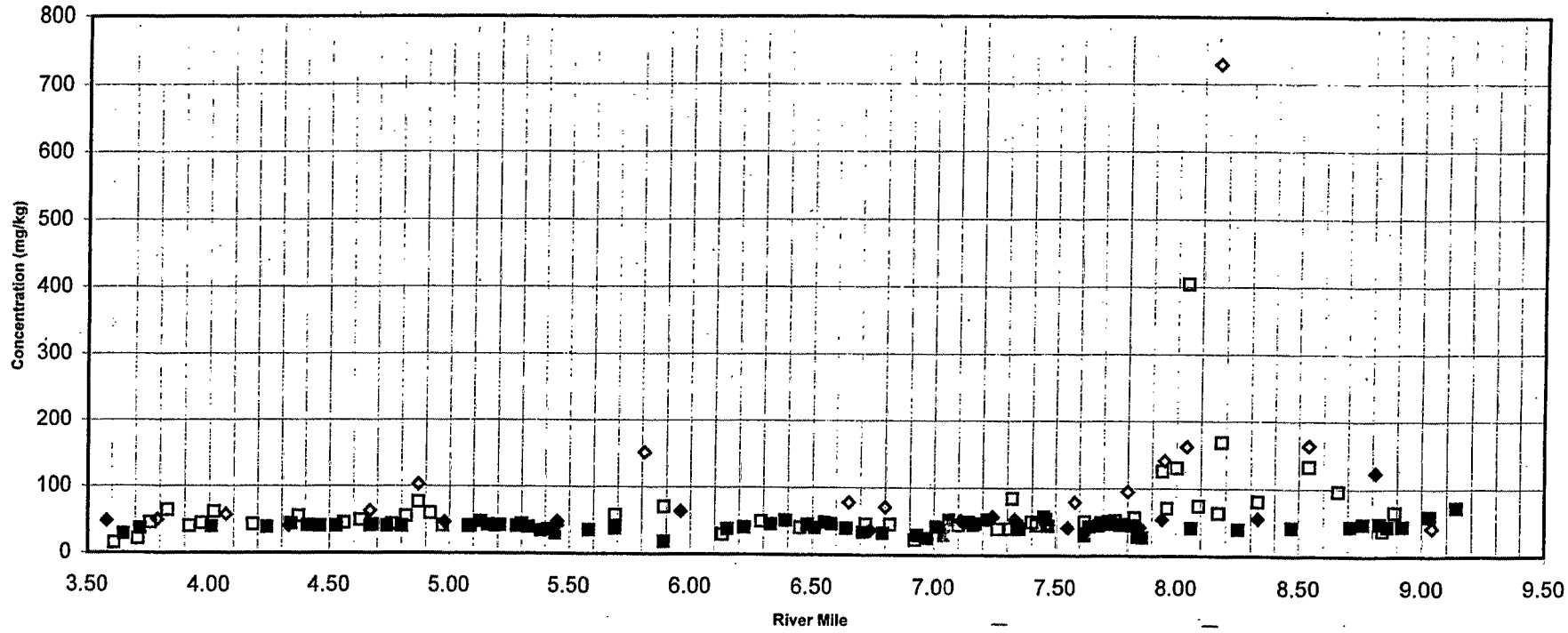
Willamette River
Chromium Concentrations per River Mile

Figure
4-3

98-0288.fig

9000



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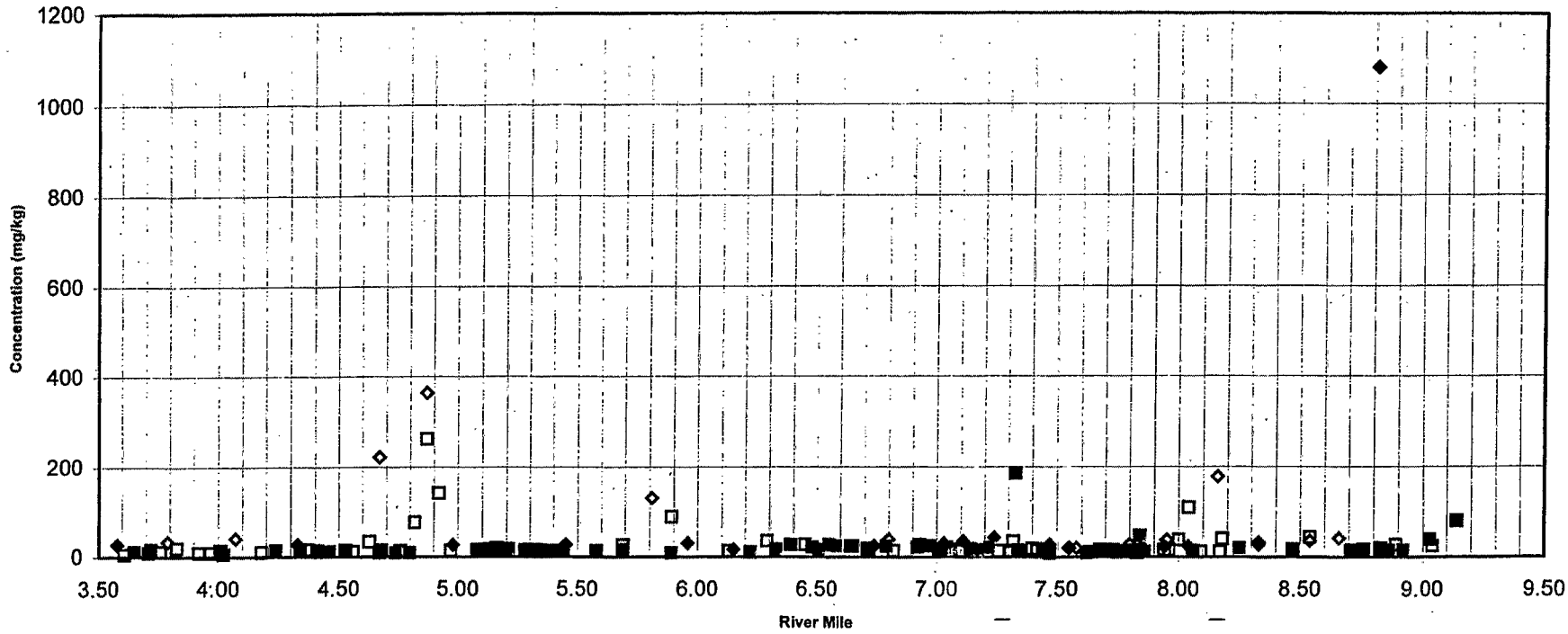
- Subsurface sediment sample, North Portland side Willamette River
- Surface sediment sample, North Portland side of Willamette River
- Subsurface sediment sample, Northwest Portland side of Willamette River
- Surface sediment sample, Northwest side of Willamette River

Willamette River
Copper Concentrations per River Mile

Figure
4-4

98-0288.fig

0037



◇ Subsurface sediment sample, North Portland side Willamette River
□ Surface sediment sample, North Portland side of Willamette River
◆ Subsurface sediment sample, Northwest Portland side of Willamette River
■ Surface sediment sample, Northwest side of Willamette River

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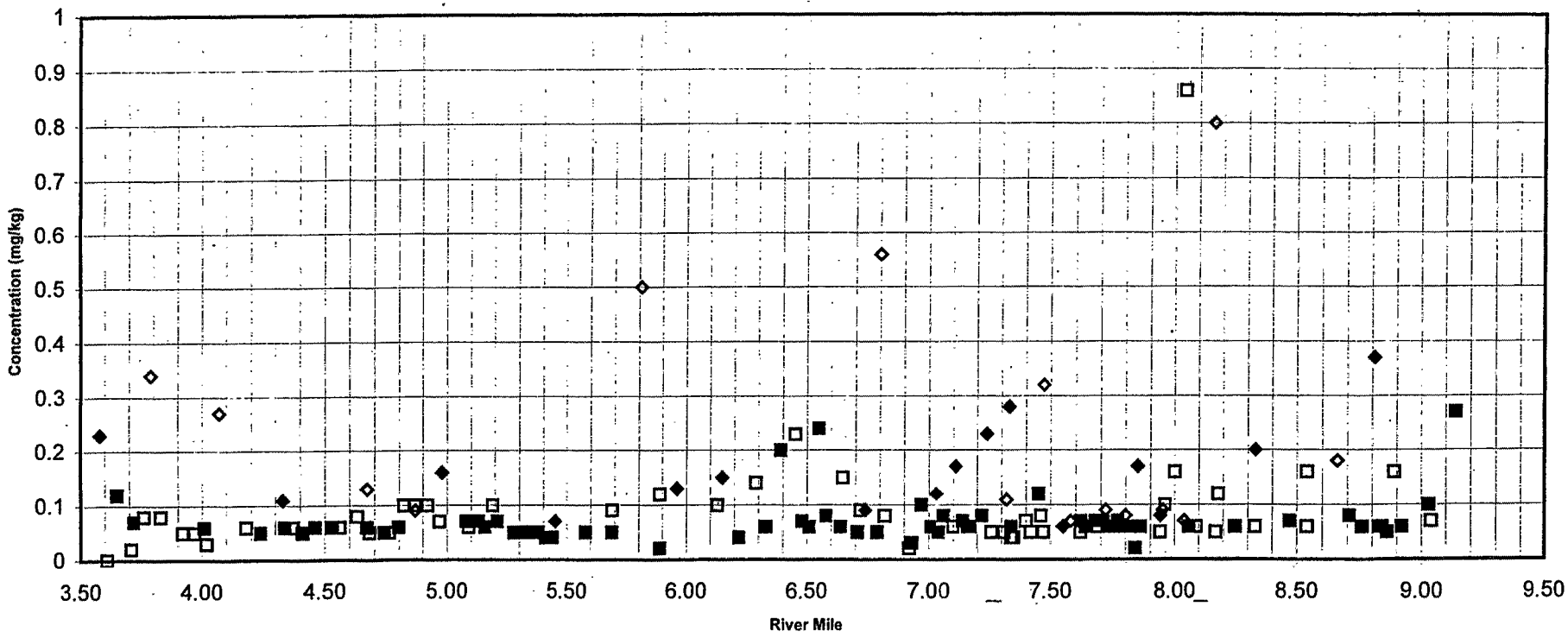
MANAGERS DESIGNERS/CONSULTANTS

Willamette River
Lead Concentrations per River Mile

Figure
4-5

98-0288 fig

0000



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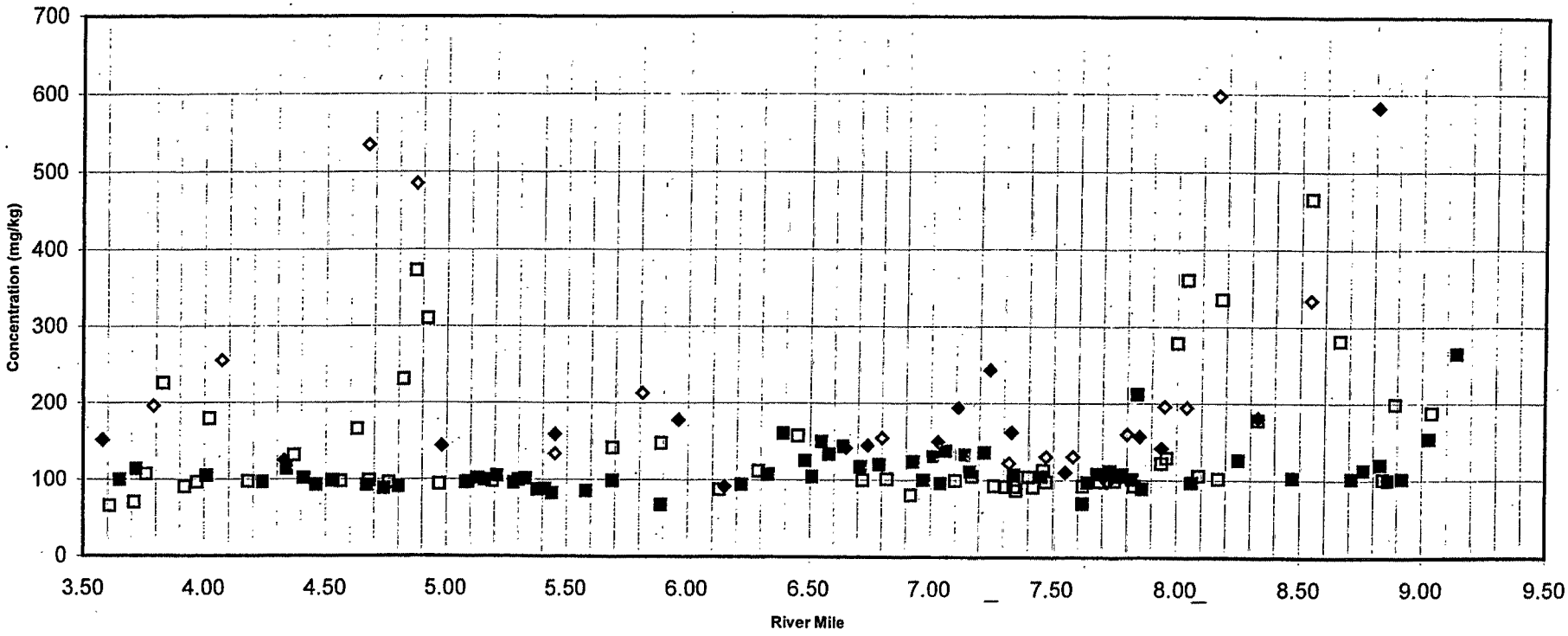
- Subsurface sediment sample, North Portland side Willamette River
- Surface sediment sample, North Portland side of Willamette River
- Subsurface sediment sample, Northwest Portland side of Willamette River
- Surface sediment sample, Northwest side of Willamette River

Willamette River
Mercury Concentrations per River Mile

Figure
4-6

98-0288.fig



◇ Subsurface sediment sample, North Portland side Willamette River
□ Surface sediment sample, North Portland side of Willamette River
◆ Subsurface sediment sample, Northwest Portland side of Willamette River
■ Surface sediment sample, Northwest side of Willamette River

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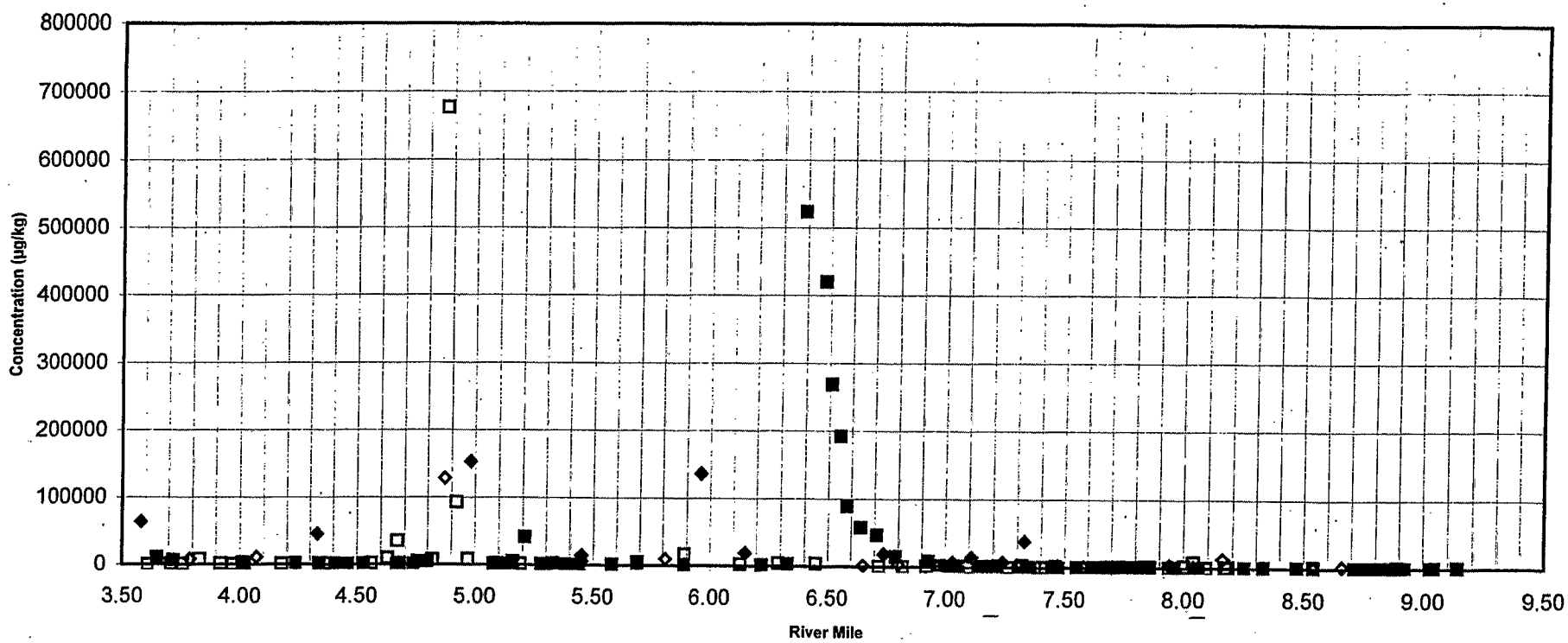
Willamette River
Zinc Concentrations per River Mile

Figure
4-7

98-0288 fig

0340



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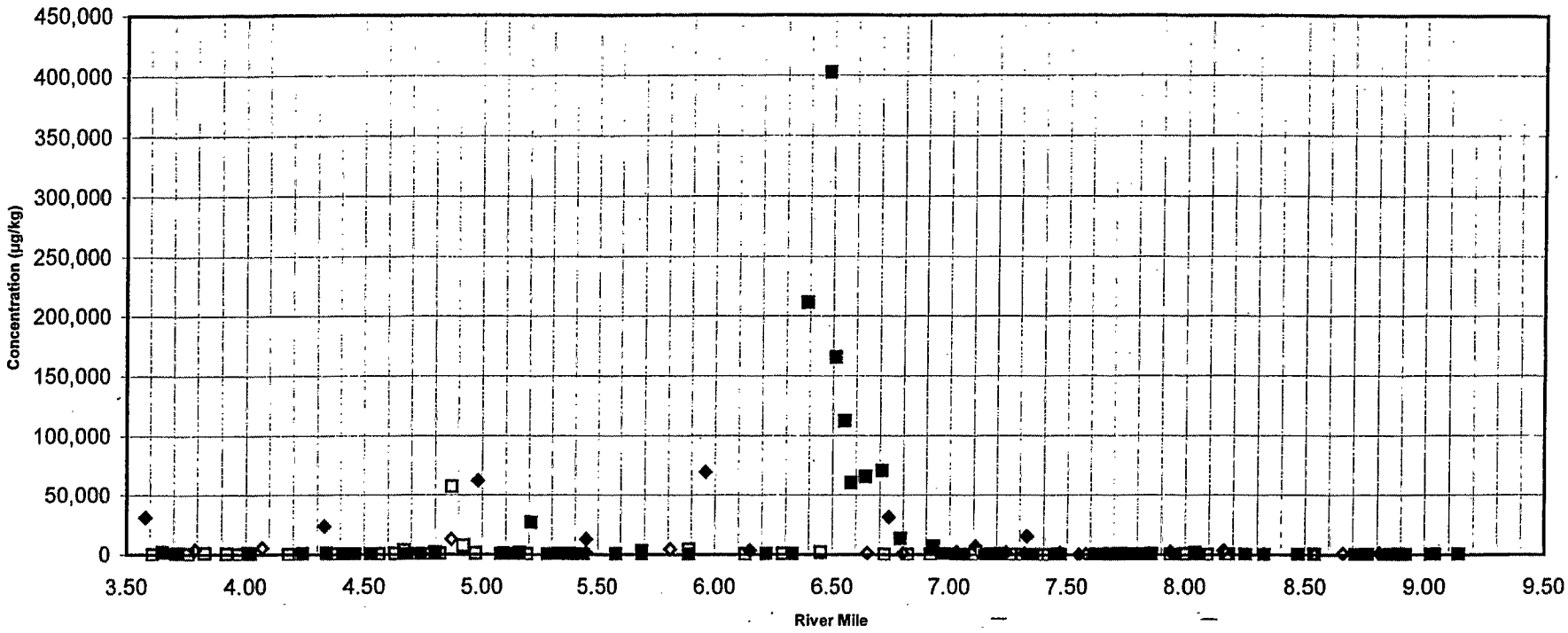
- Subsurface sediment sample, North Portland side Willamette River
- Surface sediment sample, North Portland side of Willamette River
- Subsurface sediment sample, Northwest Portland side of Willamette River
- Surface sediment sample, Northwest side of Willamette River

Willamette River
Total HPAH Concentrations per River Mile

Figure
4-8

98-0288.fig

0041



◇ Subsurface sediment sample, North Portland side Willamette River
□ Surface sediment sample, North Portland side of Willamette River
◆ Subsurface sediment sample, Northwest Portland side of Willamette River
■ Surface sediment sample, Northwest side of Willamette River

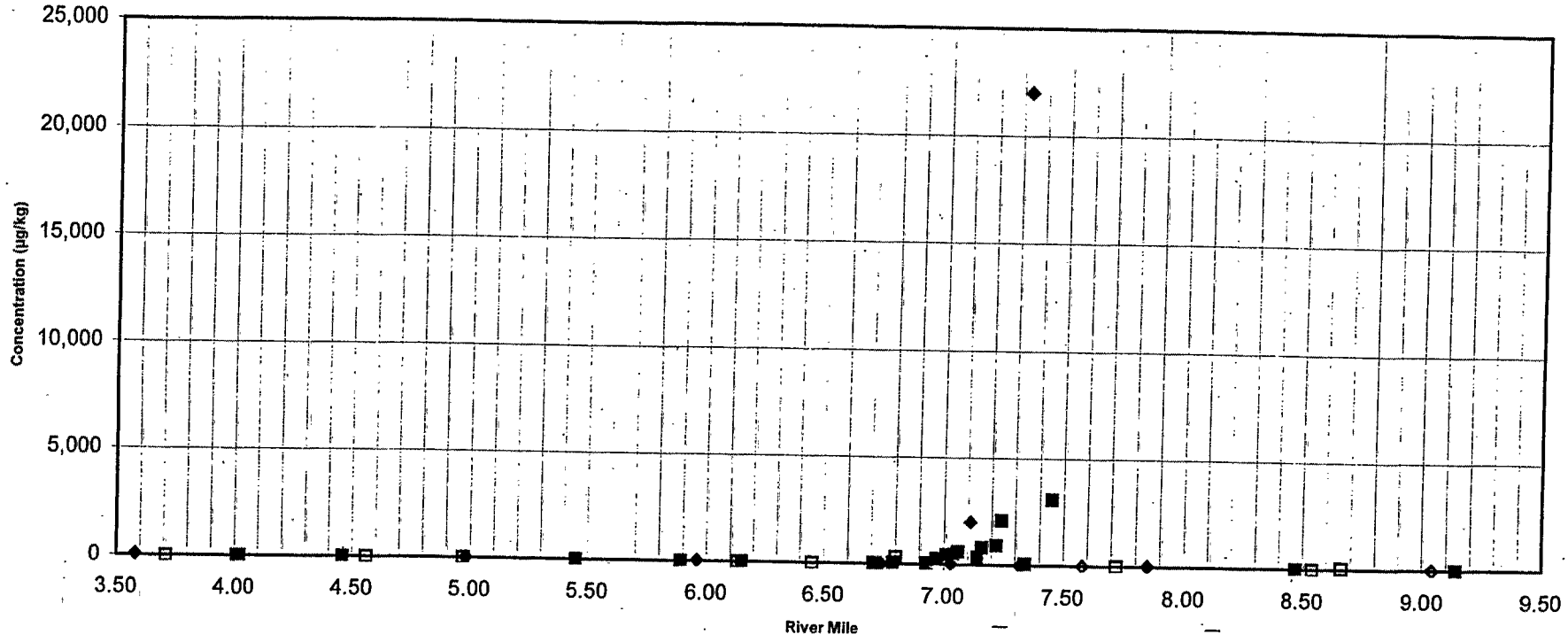
WESTON MANAGERS DESIGNERS/CONSULTANTS

Willamette River
Total LPAH Concentrations per River Mile

Figure
4-9

98-0288.fig

0042



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MANAGERS DESIGNERS/CONSULTANTS

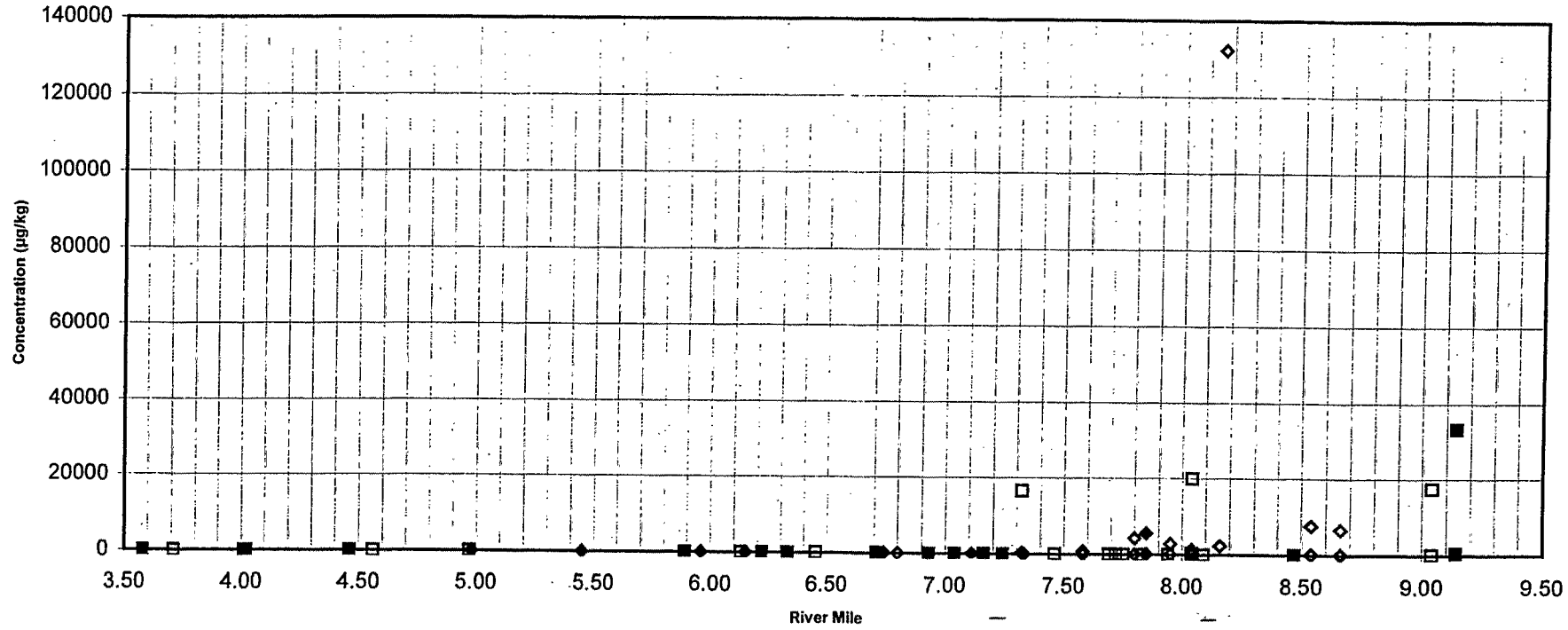
- Subsurface sediment sample, North Portland side Willamette River
- Surface sediment sample, North Portland side of Willamette River
- Subsurface sediment sample, Northwest Portland side of Willamette River
- Surface sediment sample, Northwest side of Willamette River

Willamette River
DDT Concentrations per River Mile

Figure
4-10

98-0288 fig

0043



◇ Subsurface sediment sample, North Portland side Willamette River
□ Surface sediment sample, North Portland side of Willamette River
◆ Subsurface sediment sample, Northwest Portland side of Willamette River
■ Surface sediment sample, Northwest side of Willamette River

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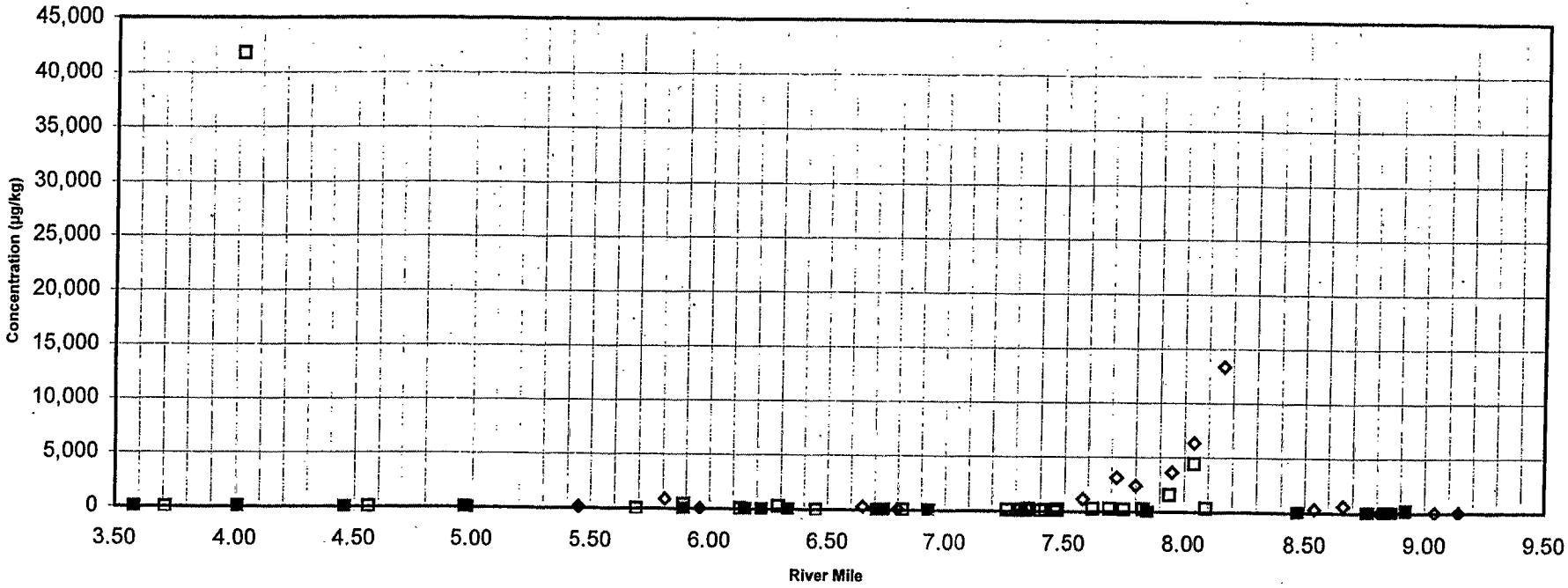
Willamette River
Total PCB Concentrations per River Mile

Figure
4-11

98-0288.fig

0044



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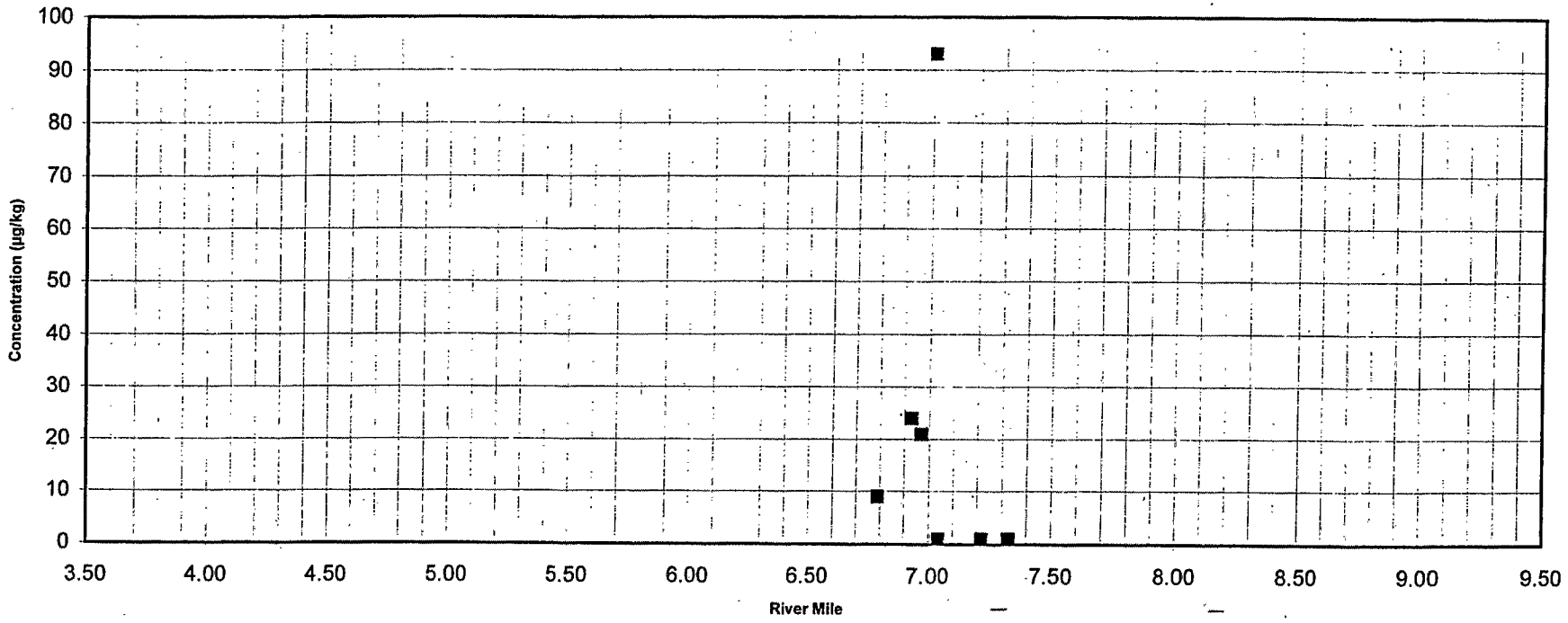
- Subsurface sediment sample, North Portland side Willamette River
- Surface sediment sample, North Portland side of Willamette River
- Subsurface sediment sample, Northwest Portland side of Willamette River
- Surface sediment sample, Northwest side of Willamette River

Willamette River
Sediment TBT Concentrations per River Mile

Figure
4-12

98-0288.fig



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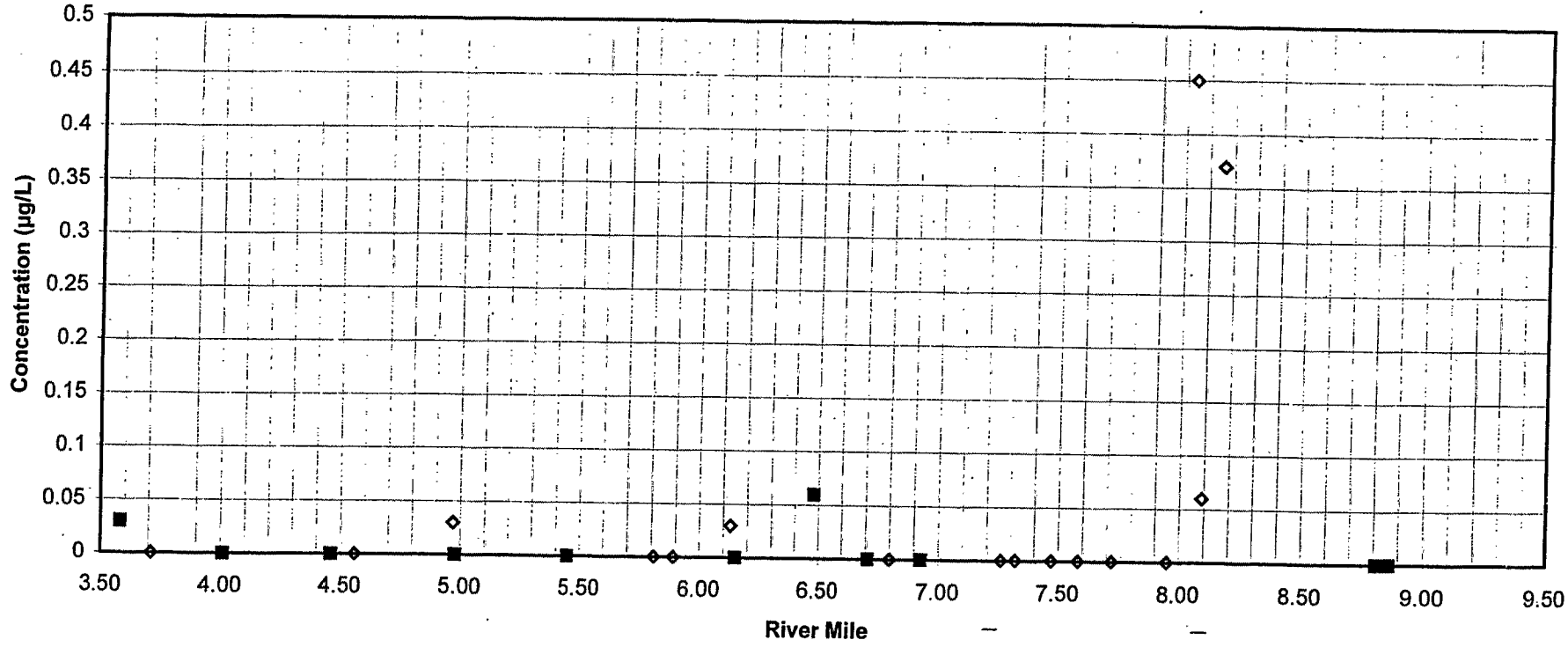
- Subsurface sediment sample, North Portland side Willamette River
- Surface sediment sample, North Portland side of Willamette River
- Subsurface sediment sample, Northwest Portland side of Willamette River
- Surface sediment sample, Northwest side of Willamette River

Willamette River
2,4-D Concentrations per River Mile

Figure
4-13

98-0288.fig

0046



◇ Subsurface sediment sample, North Portland side Willamette River
□ Surface sediment sample, North Portland side of Willamette River
◆ Subsurface sediment sample, Northwest Portland side of Willamette River
■ Surface sediment sample, Northwest side of Willamette River

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Willamette River
Sediment Porewater Concentrations per River Mile

Figure
4-14

98-0288.fig

0017