Figures

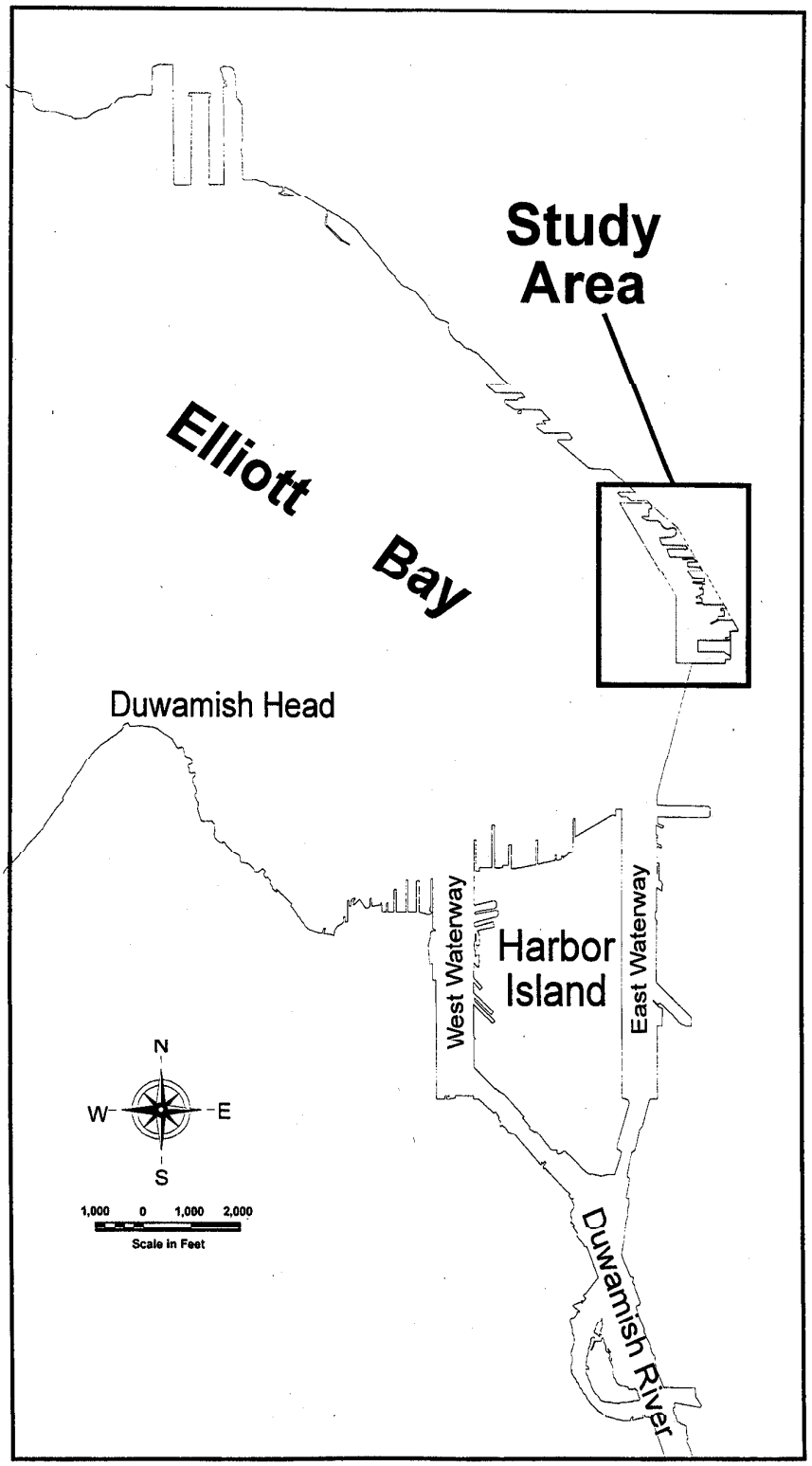


Figure 1 Elliott Bay Vicinity Map

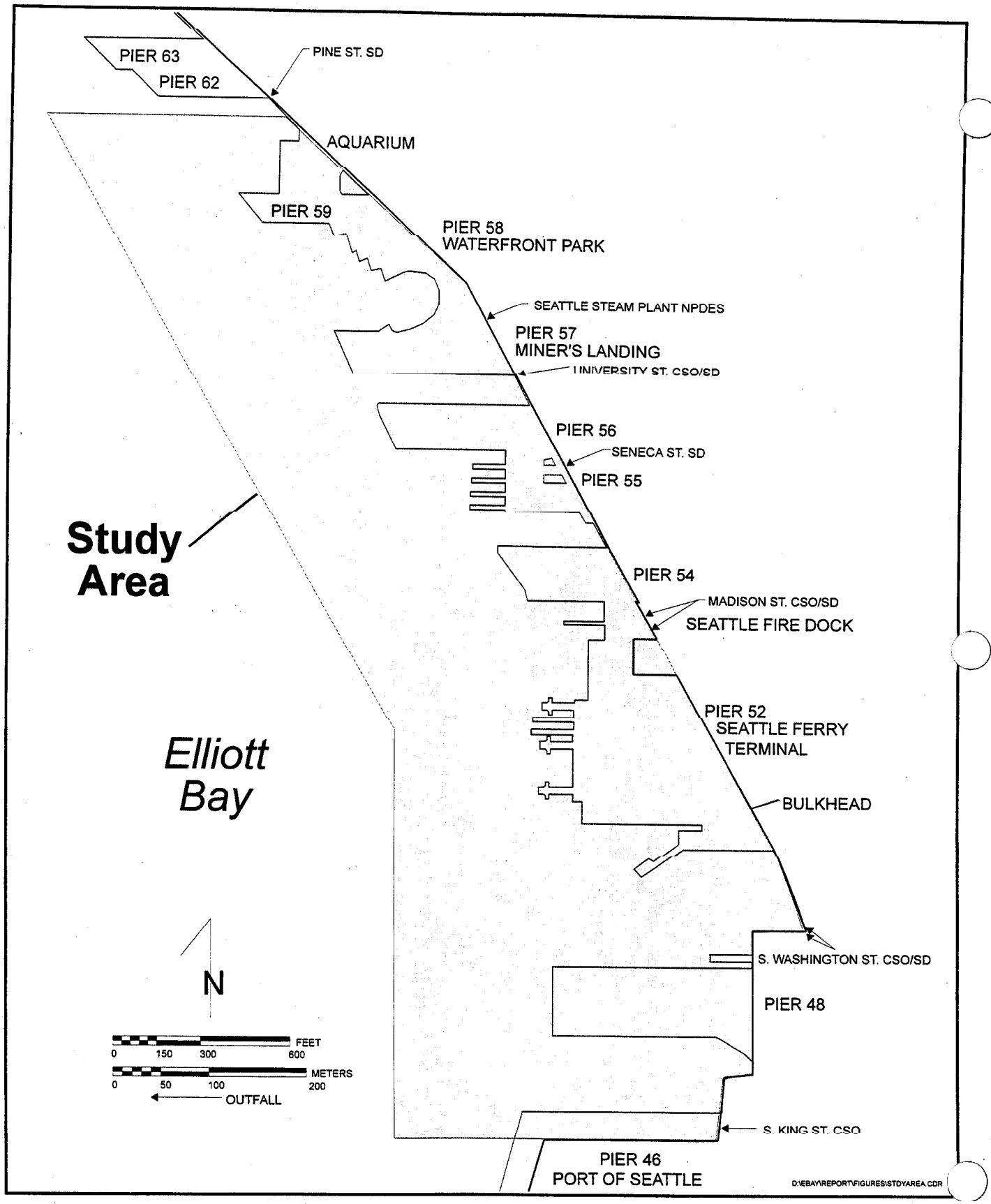


Figure 2 Elliott Bay Waterfront Recontamination Study Area

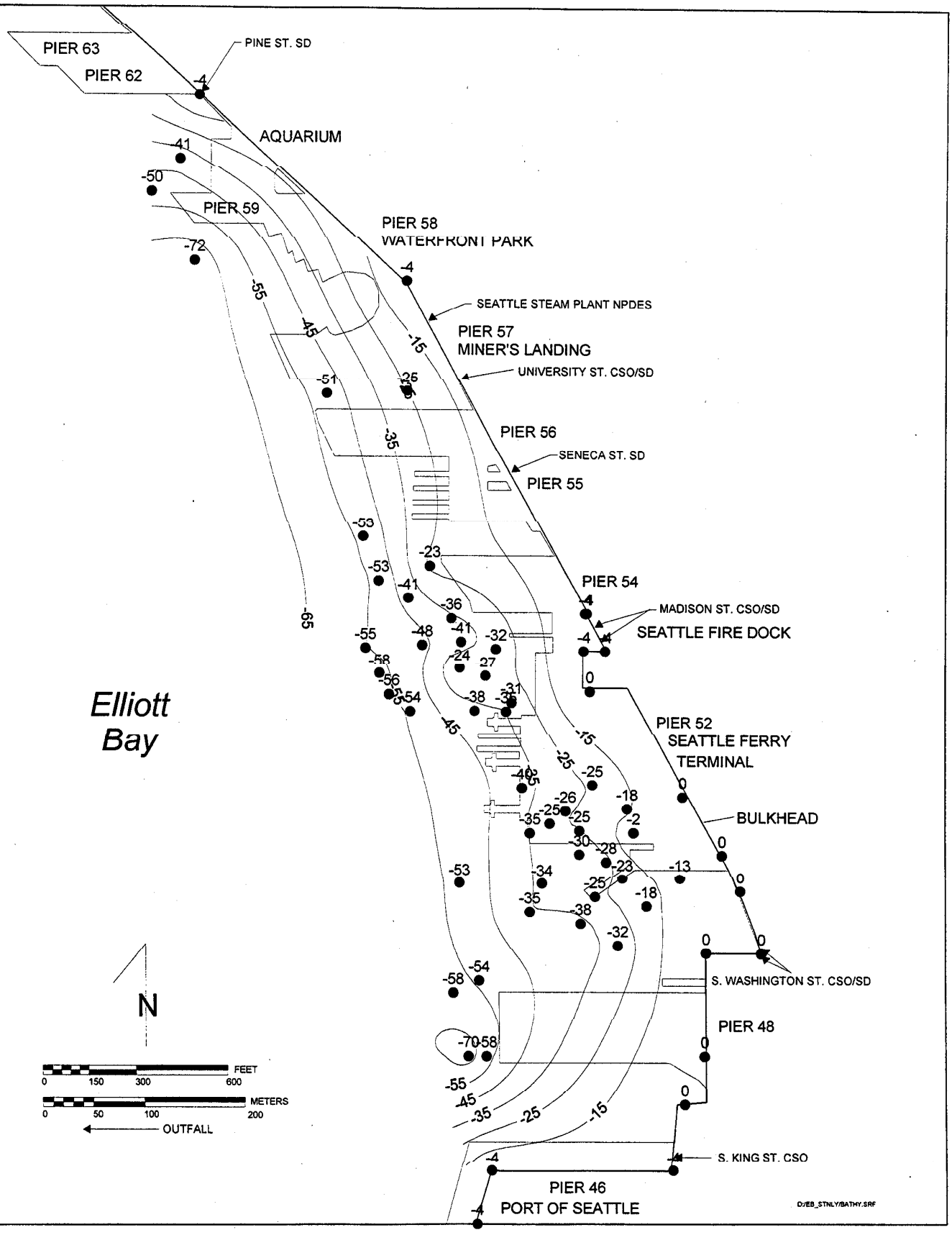


Figure 3 Site Bathymetry Based on Existing Data

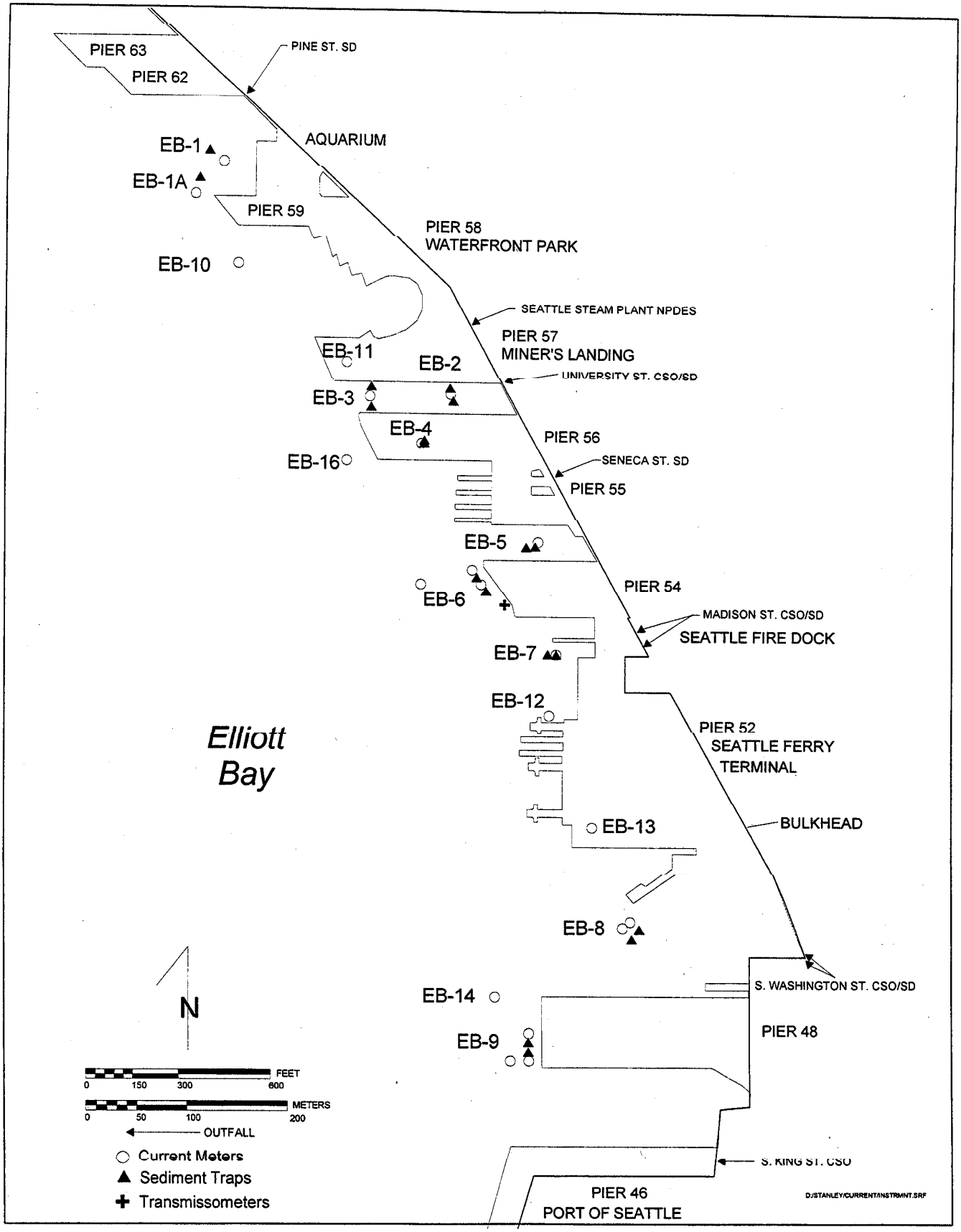


Figure 4 Instrument Locations

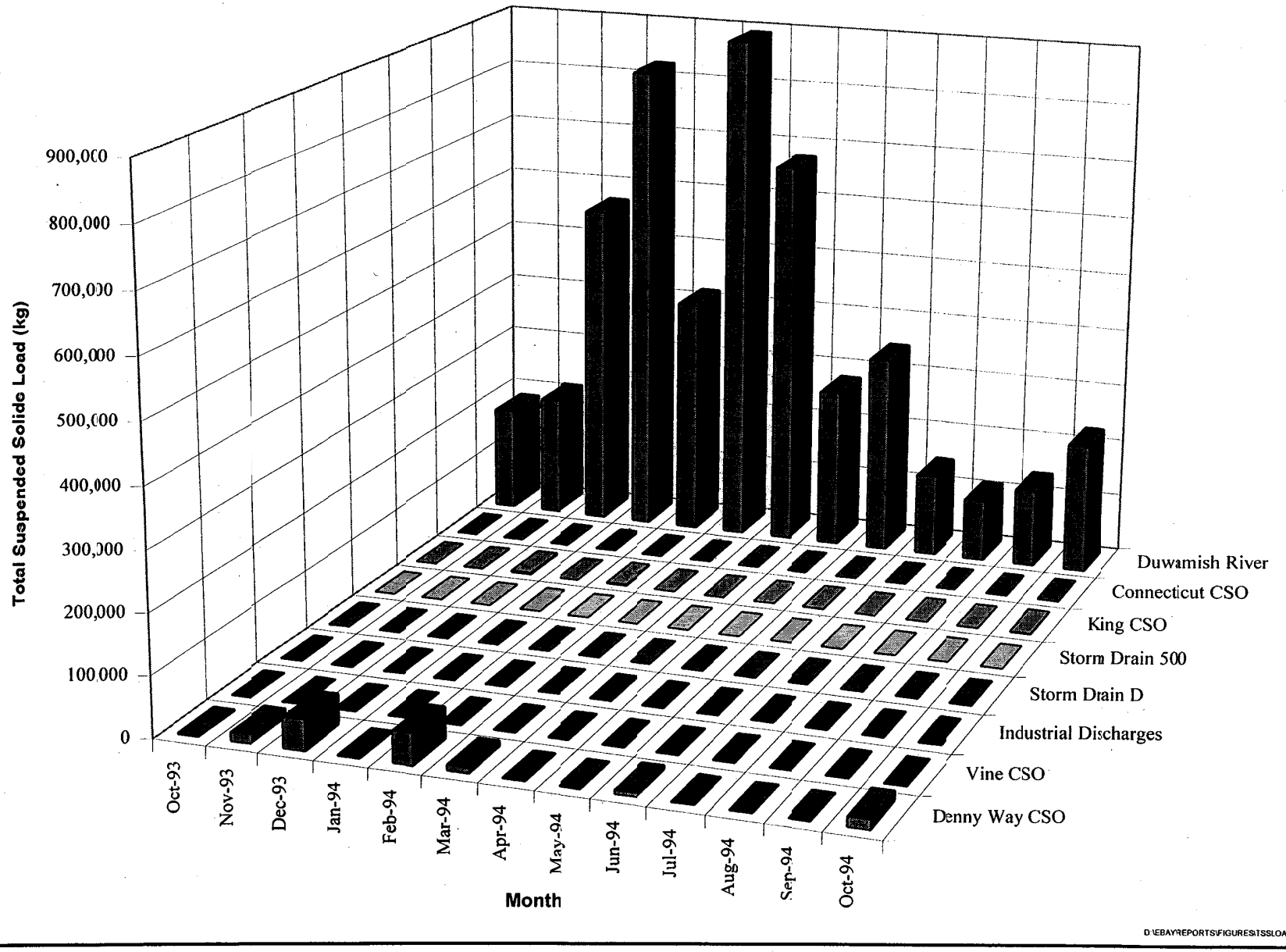


Figure 5 Total Suspend Solids Loadings October 1993 through October 1994

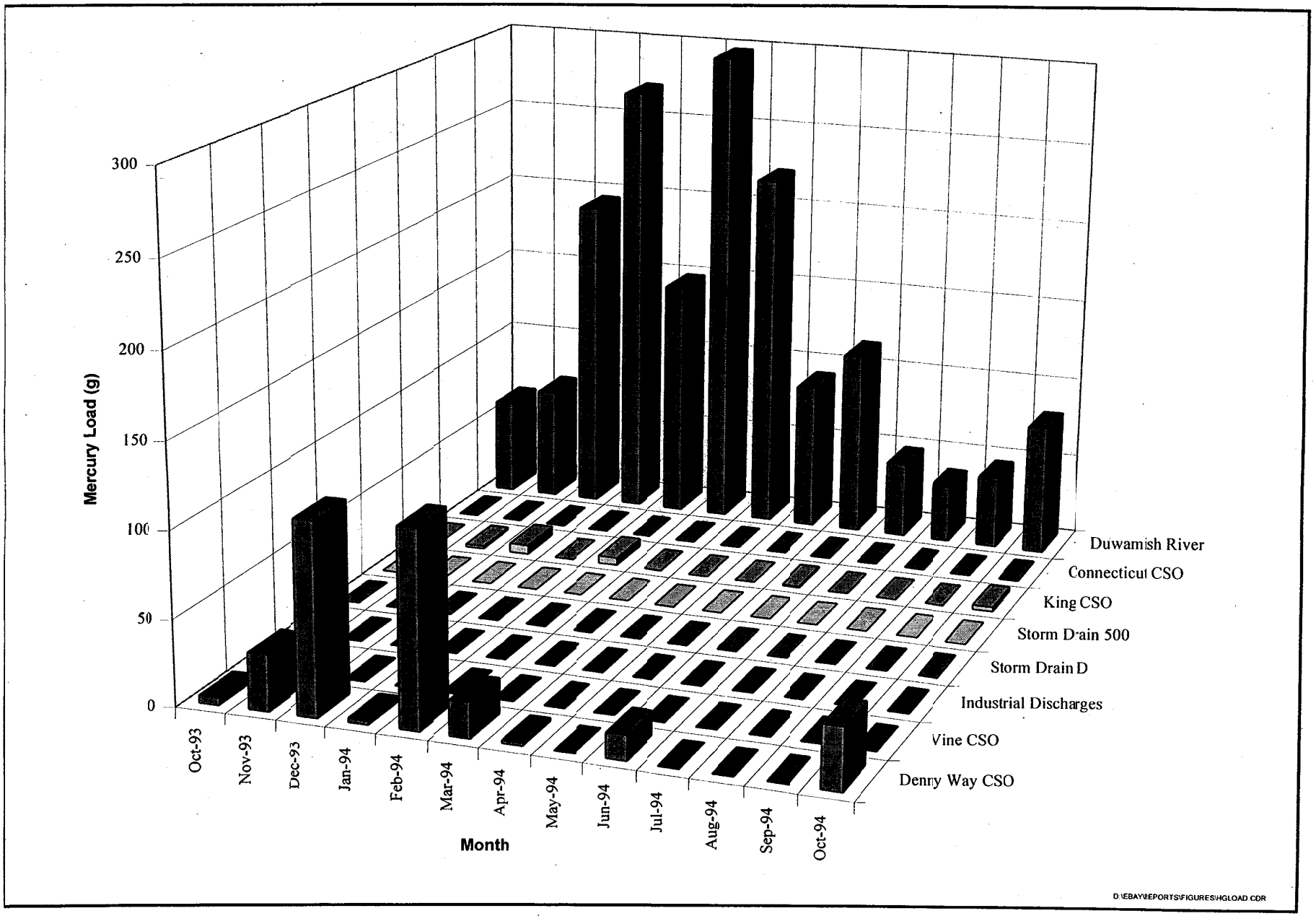


Figure 6 Mercury Loadings October 1993 through October 1994

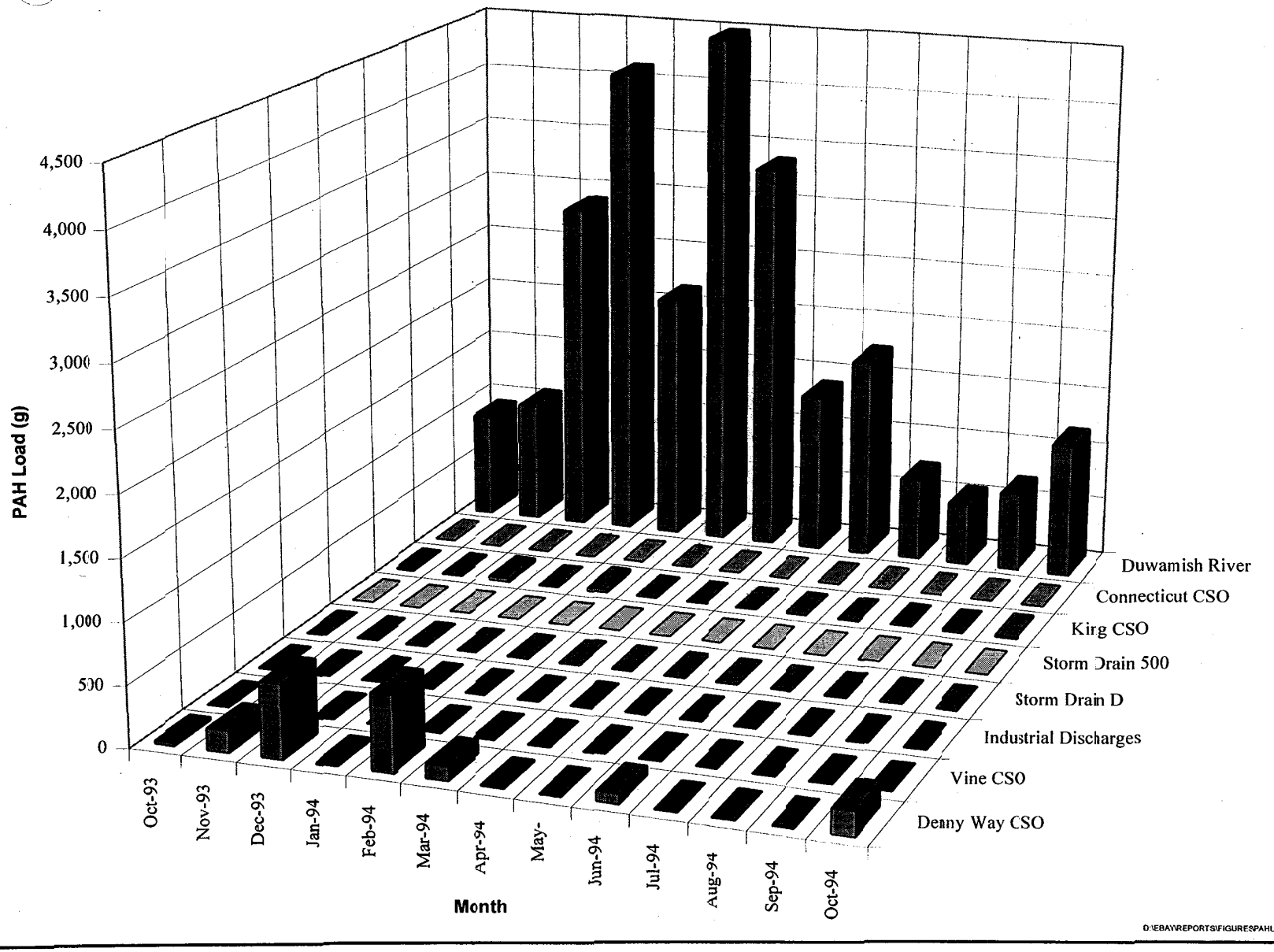


Figure 7 PAH Loadings October 1993 through October 1994

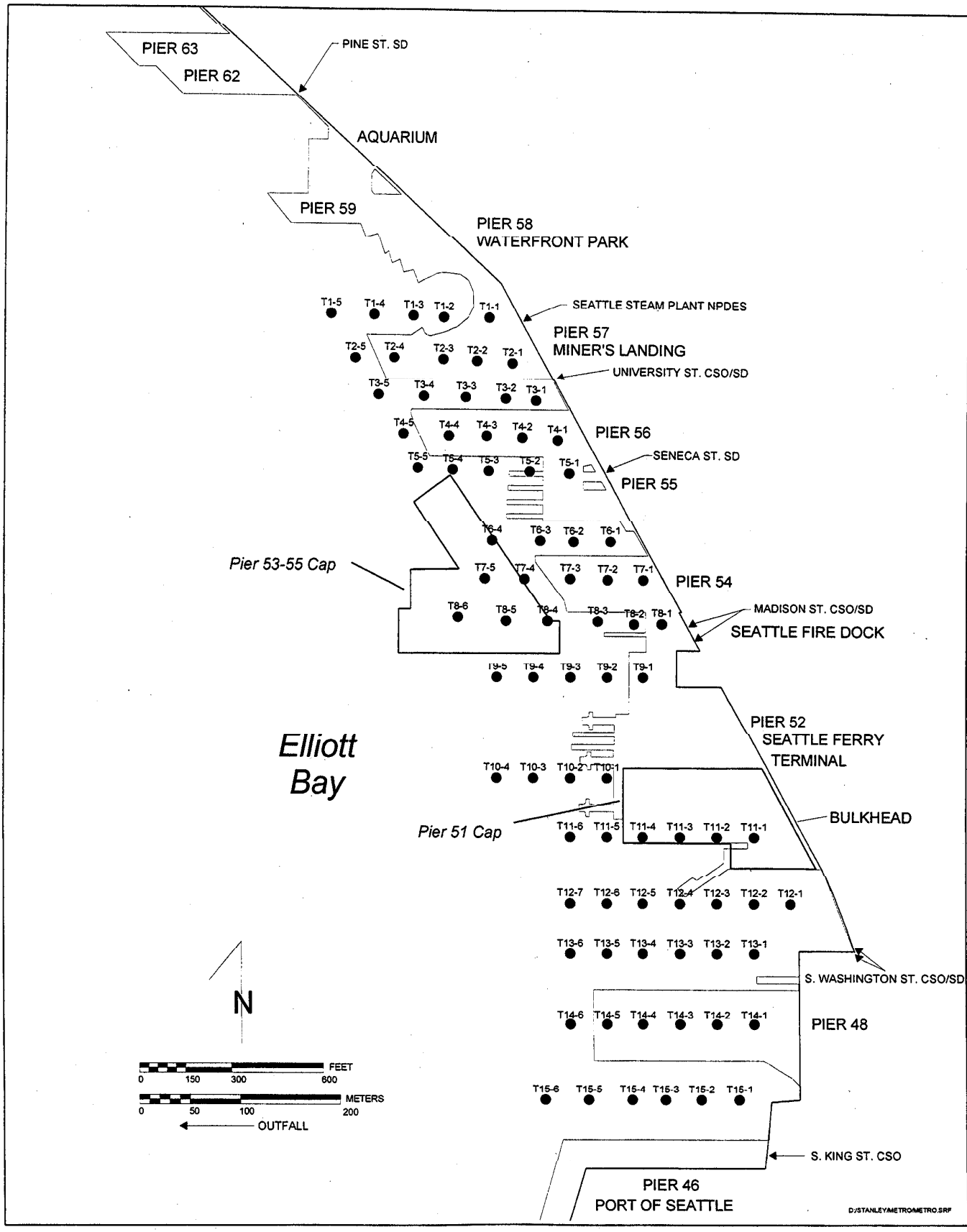


Figure 8 KCDMS Sediment Grain Size Survey Stations

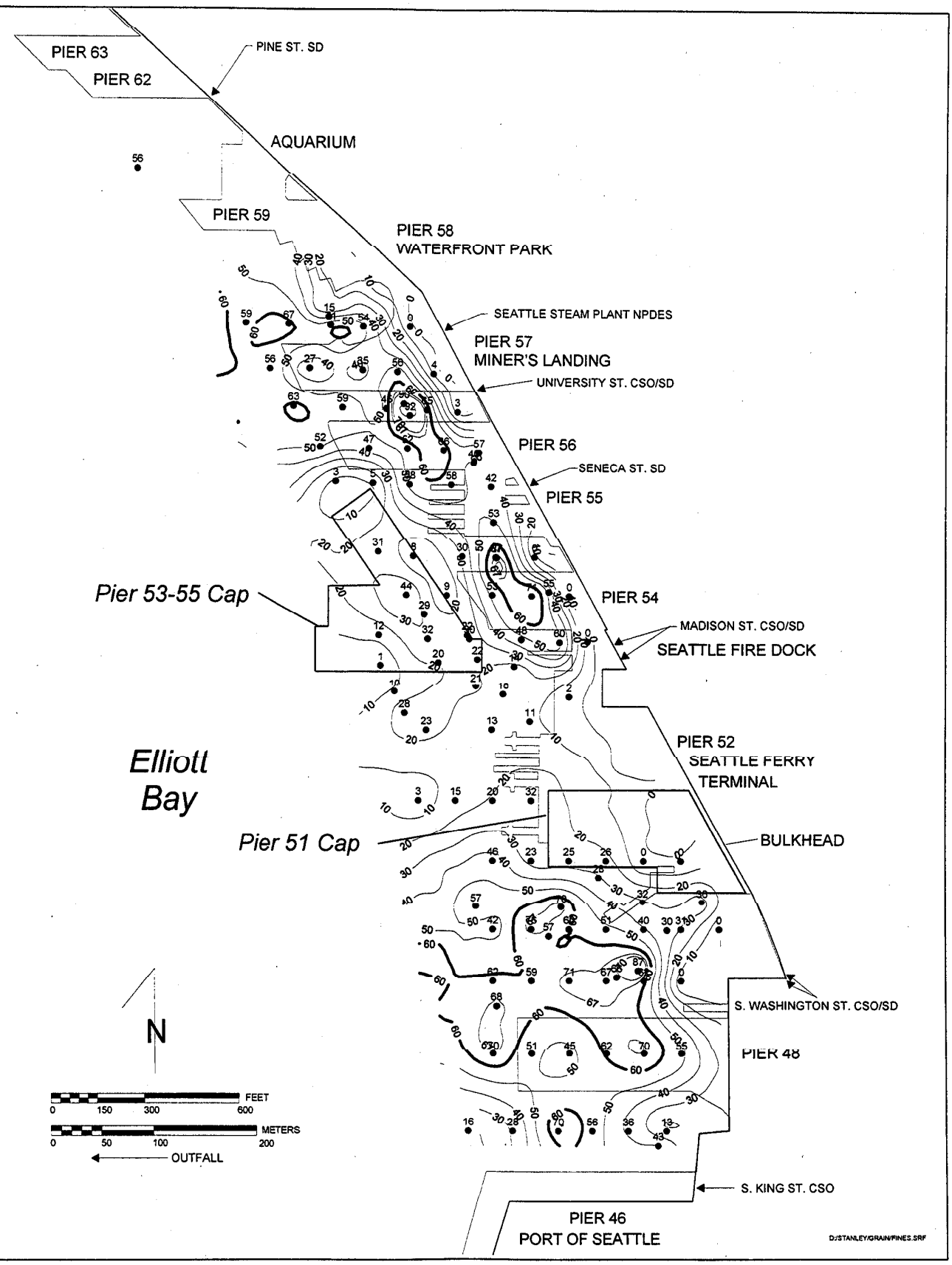


Figure 9 Percent Fines (silt + clay)

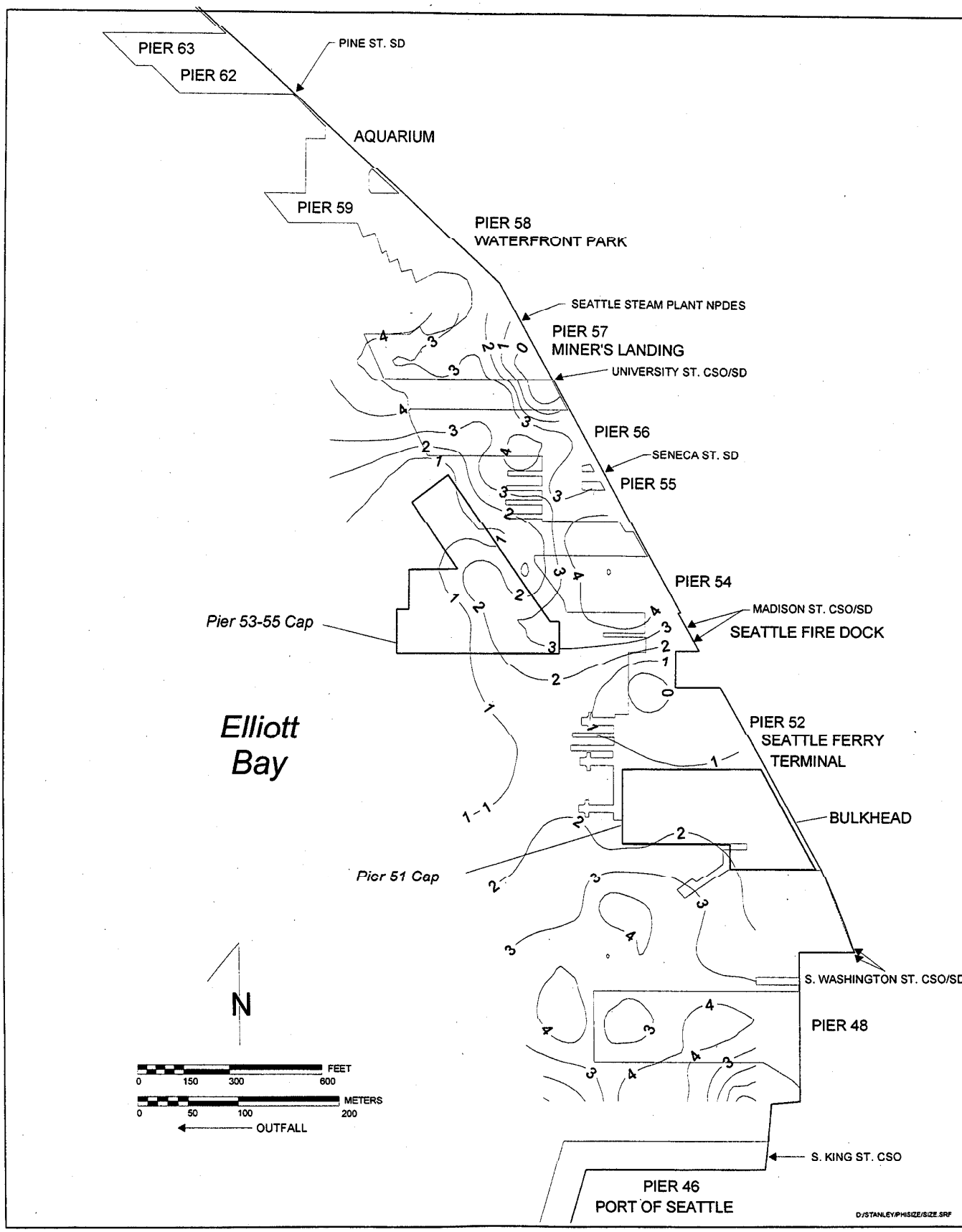


Figure 10 Median Grain Size (Phi)

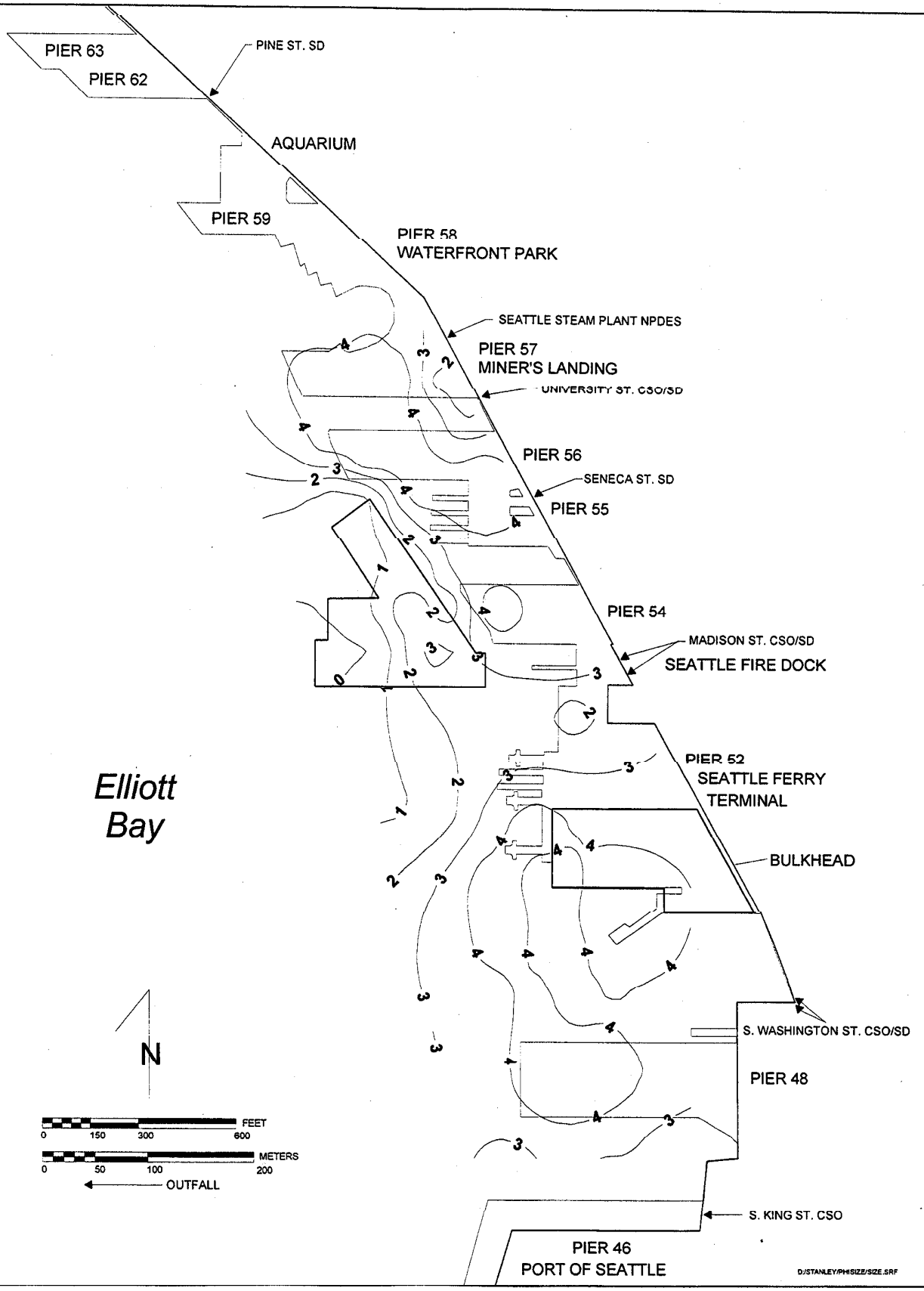


Figure 11 Sorting (Phi)

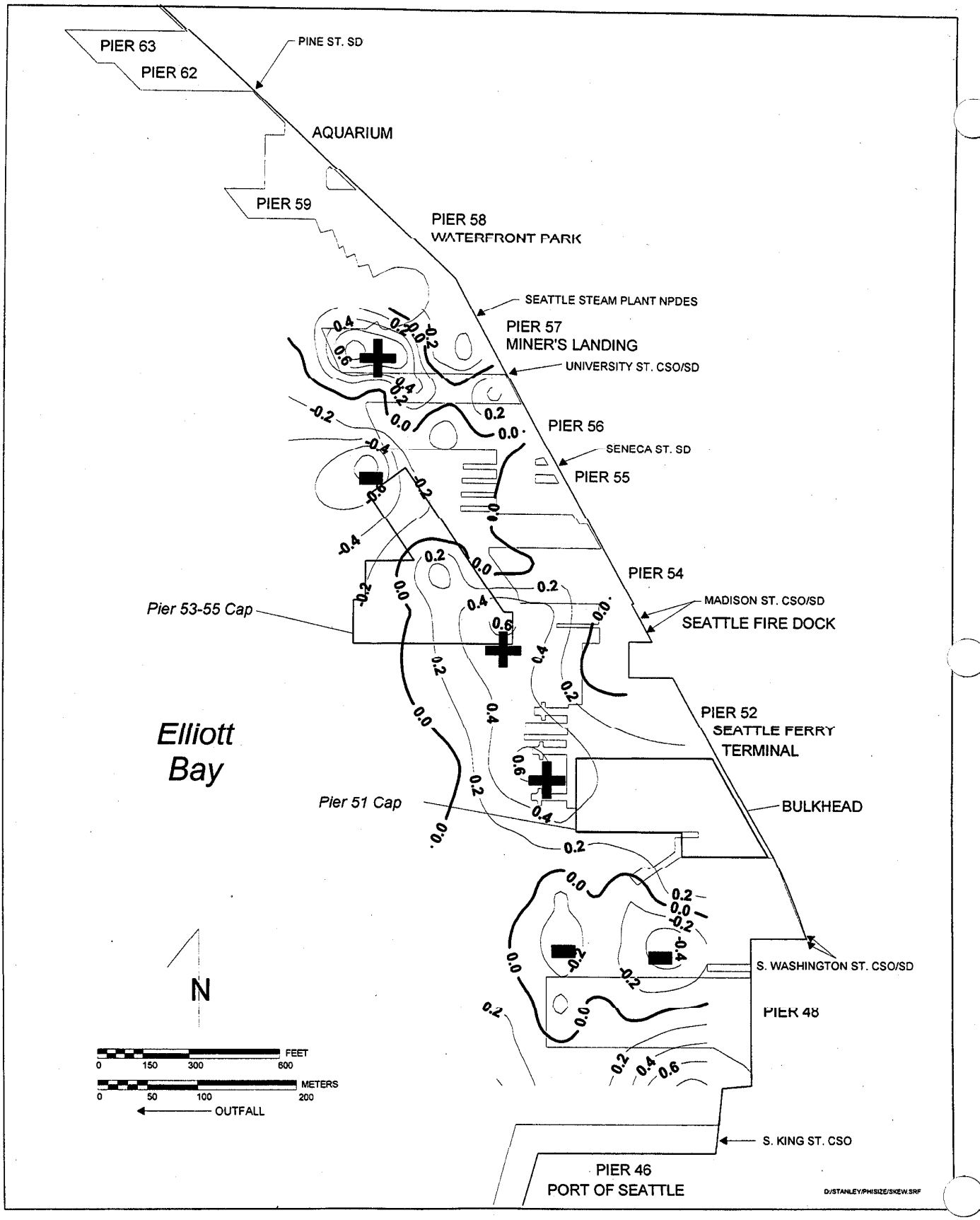


Figure 12 Skewness (Phi)

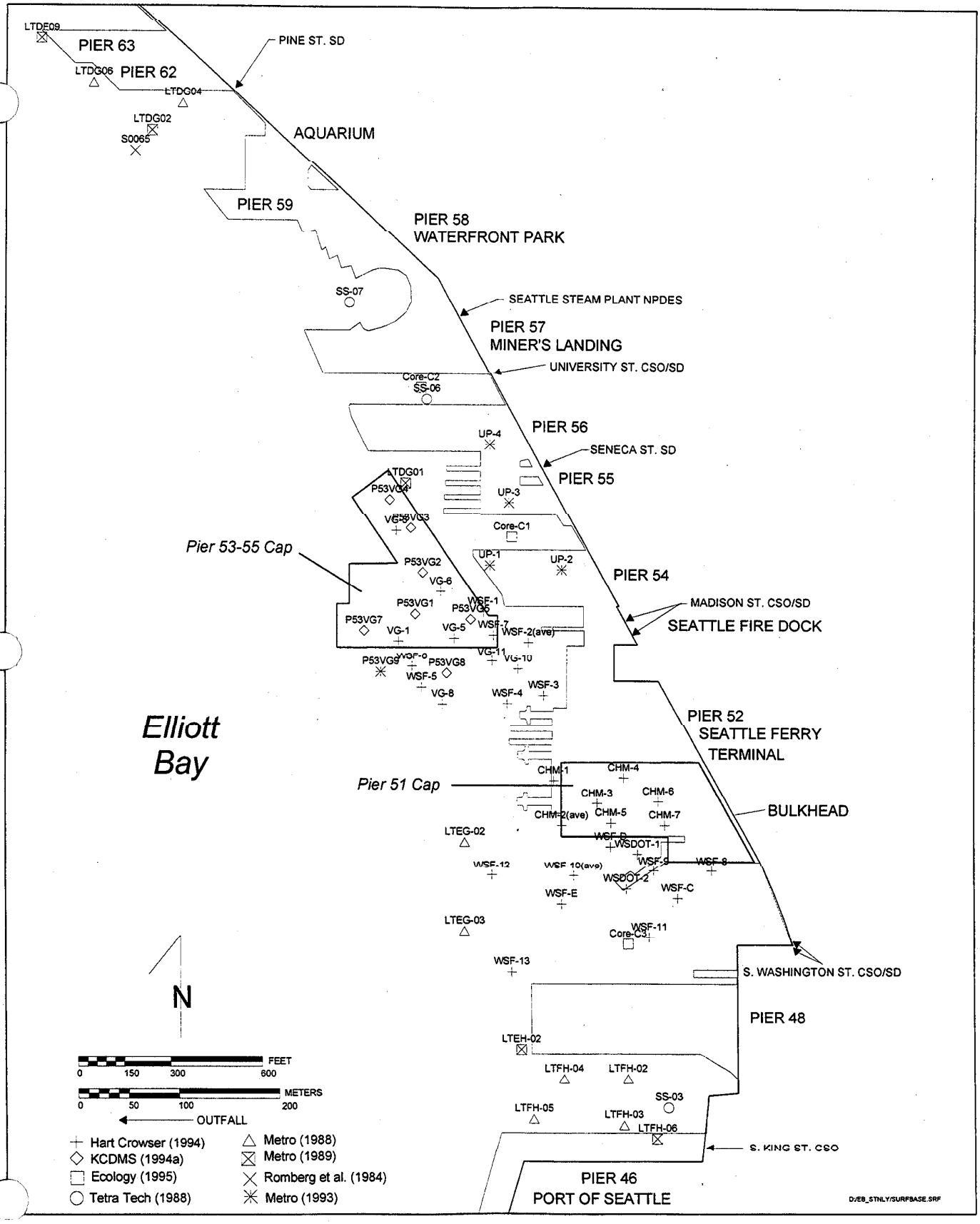


Figure 13 Surface Sampling Stations

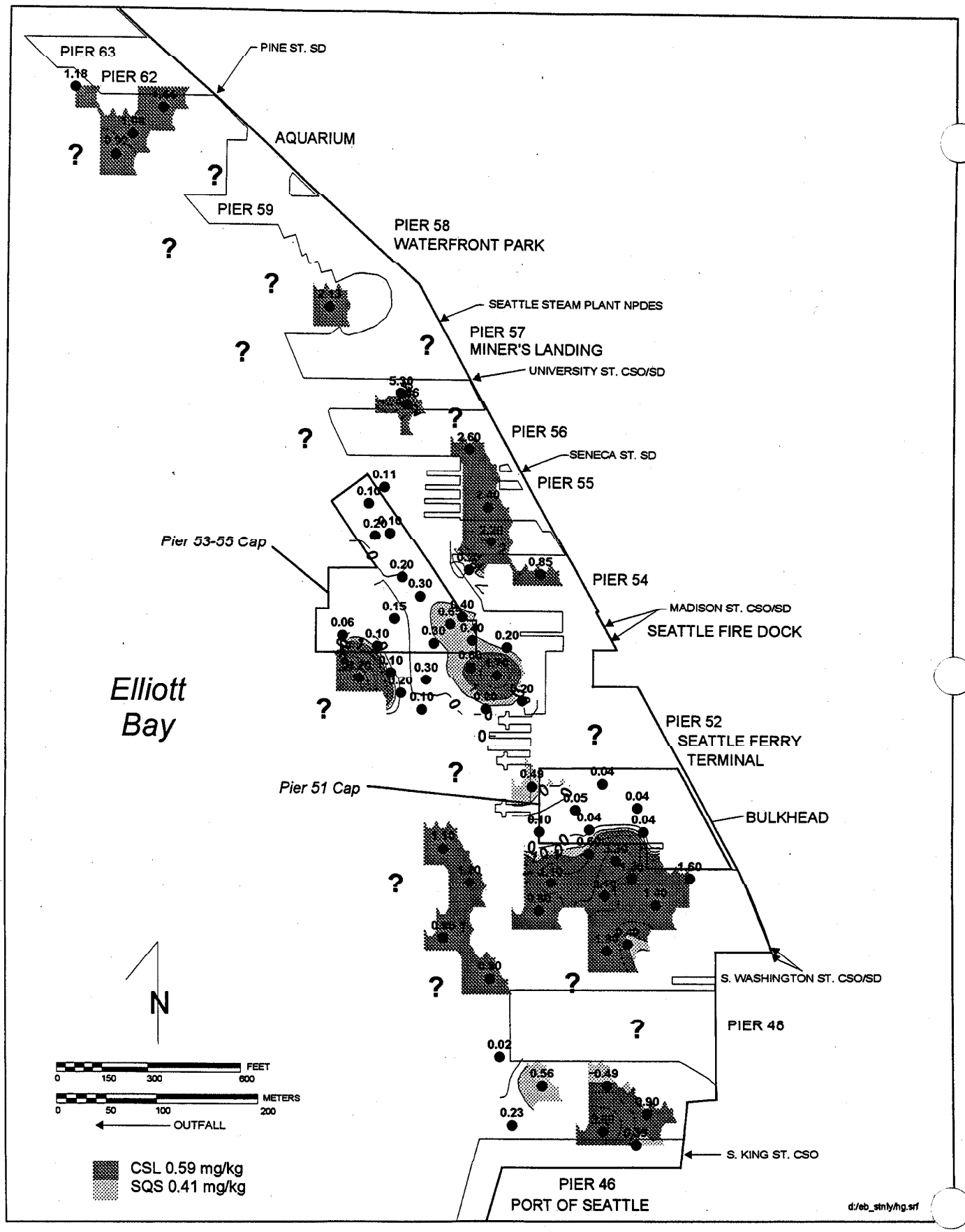


Figure 14 Surface Mercury (mg/kg)

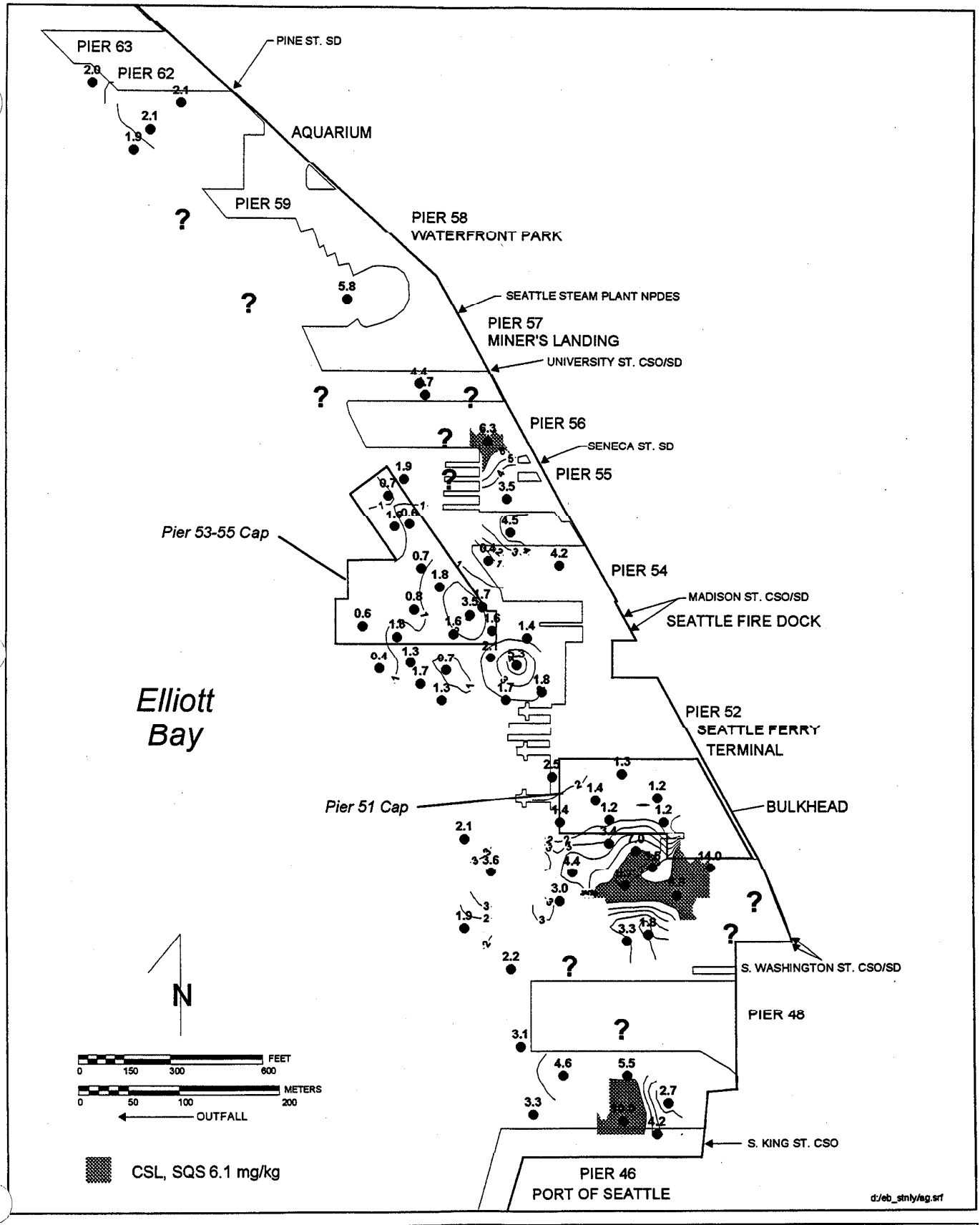


Figure 15 Surface Silver (mg/kg)

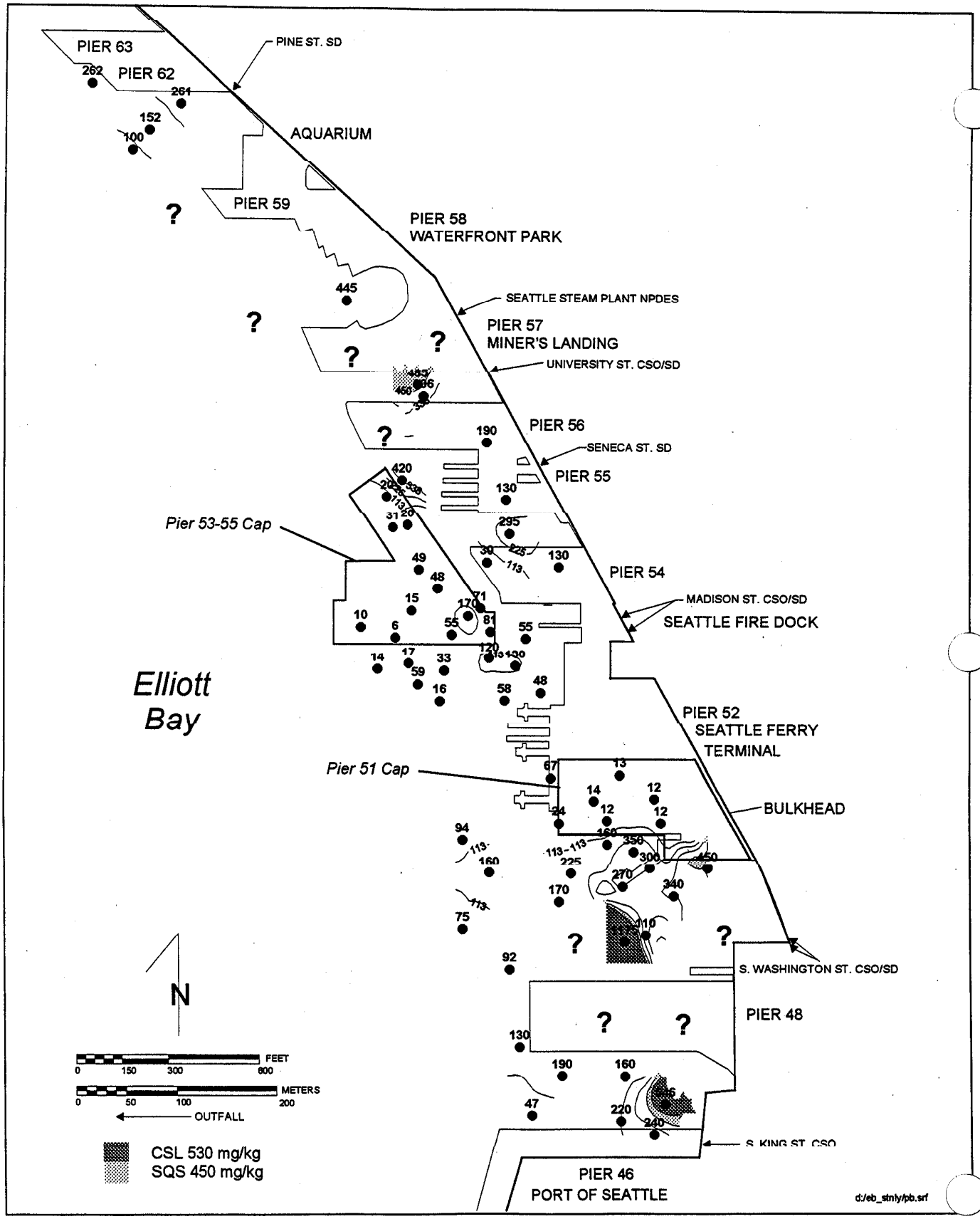


Figure 16 Surface Lead (mg/kg)

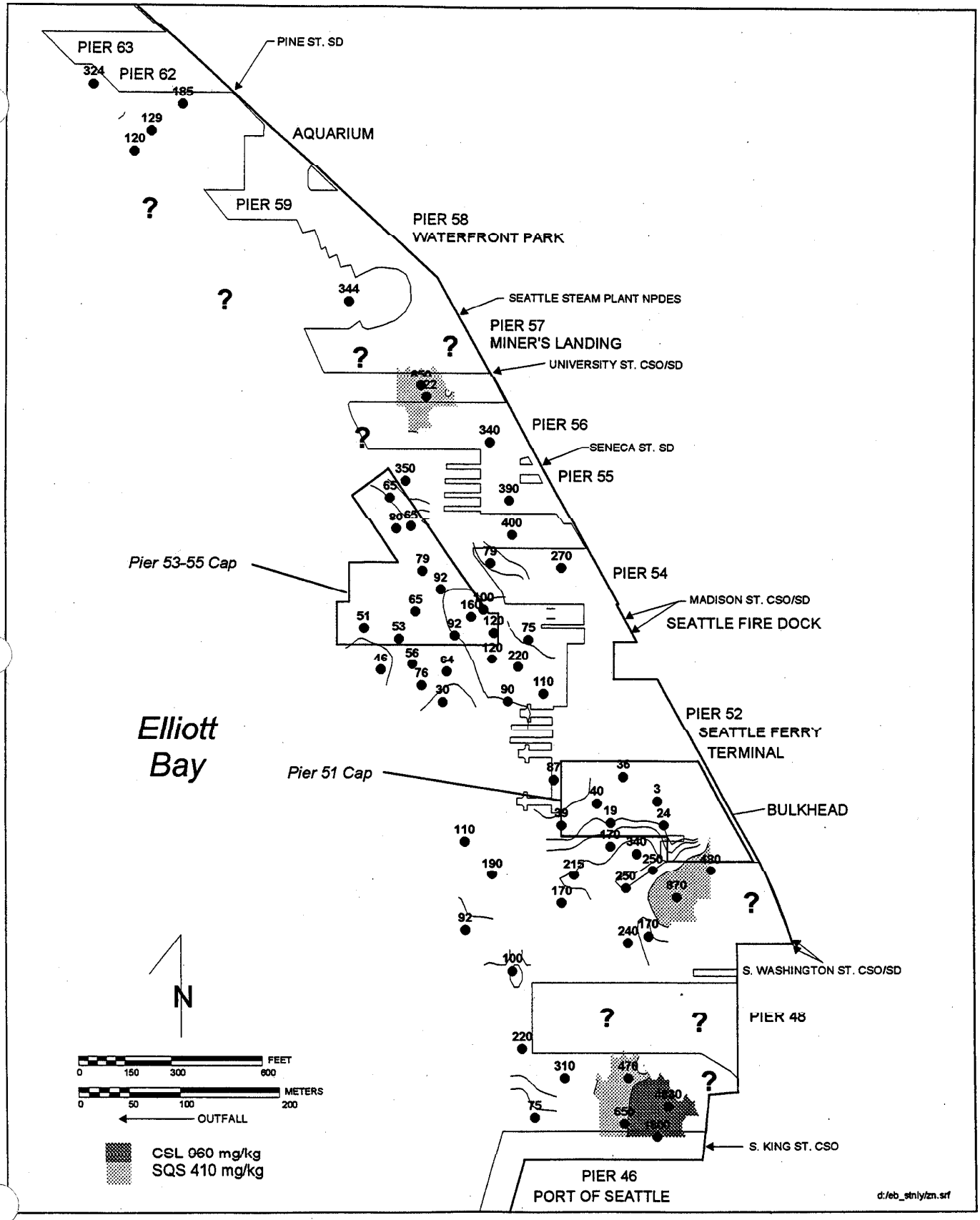


Figure 17 Surface Zinc (mg/kg)

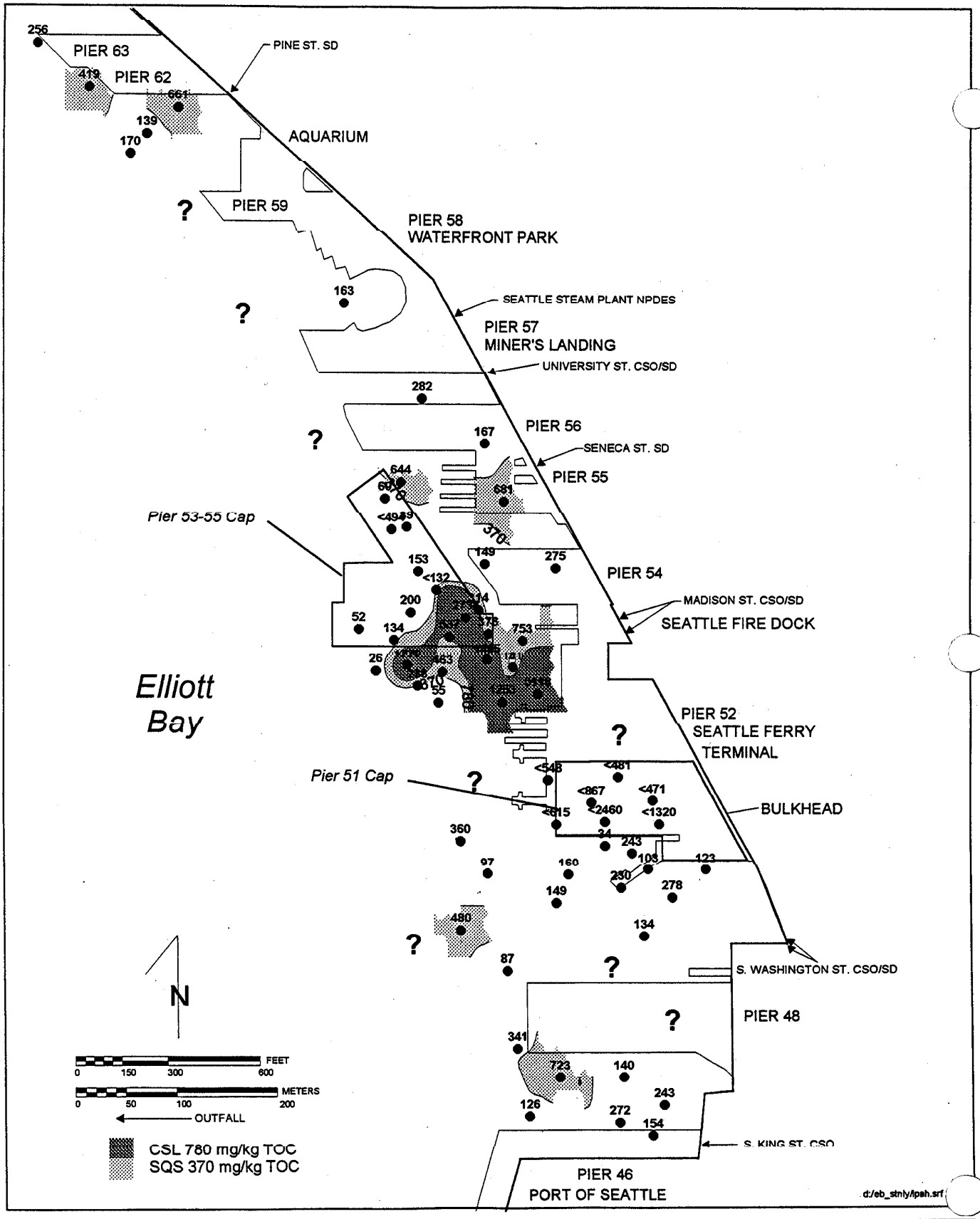


Figure 18 Surface LPAH (mg/kg TOC)

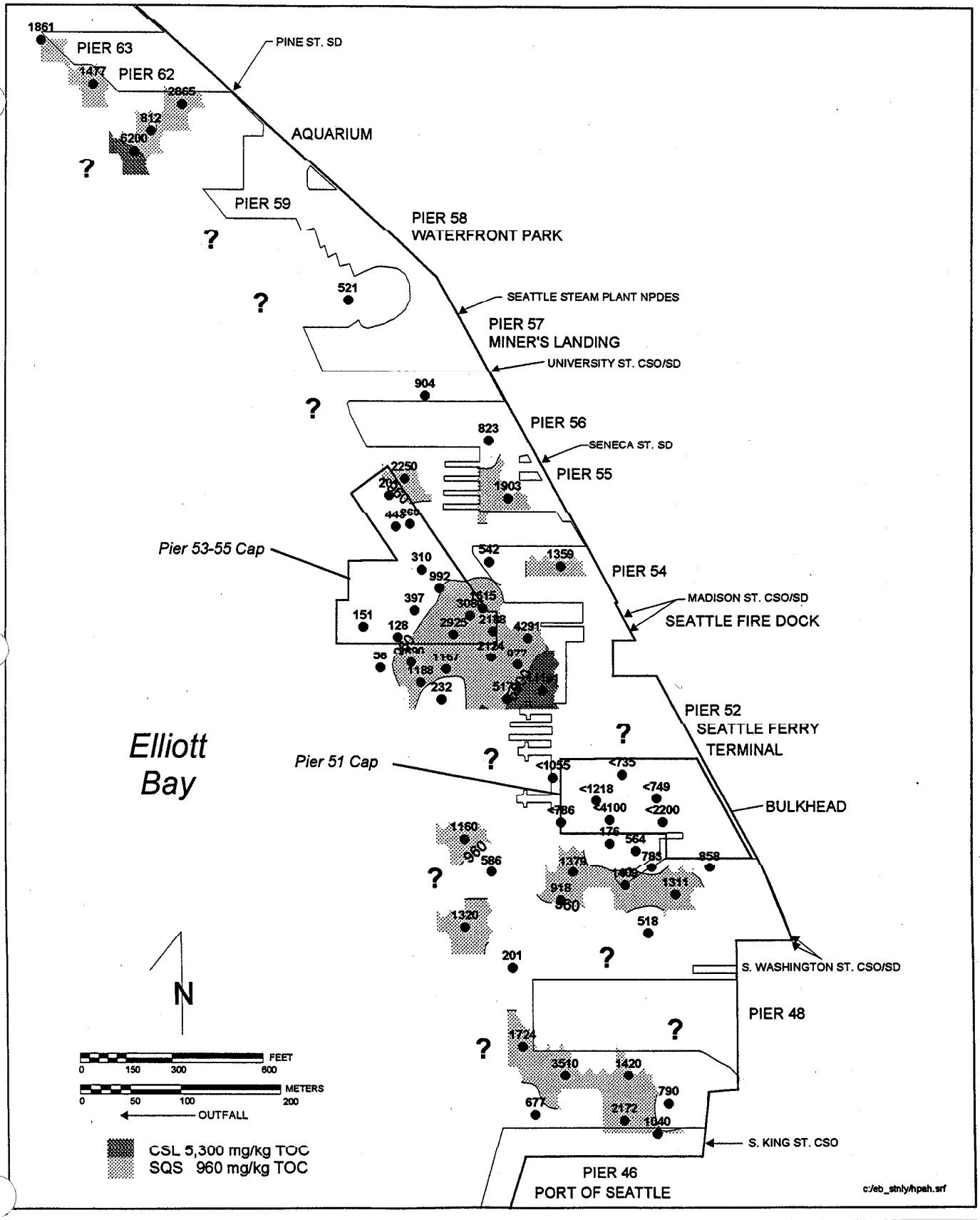


Figure 19 Surface HPAH (mg/kg TOC)

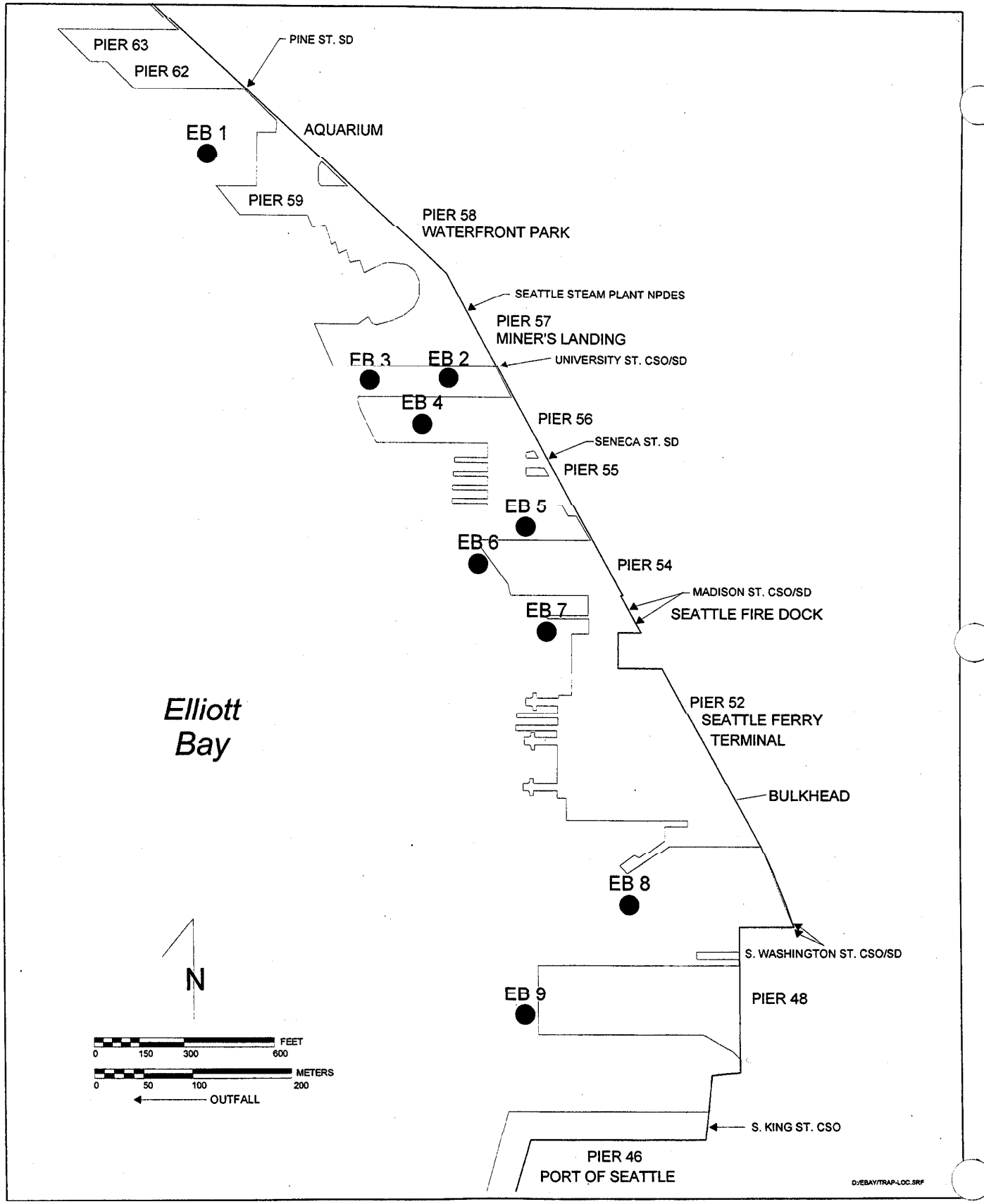
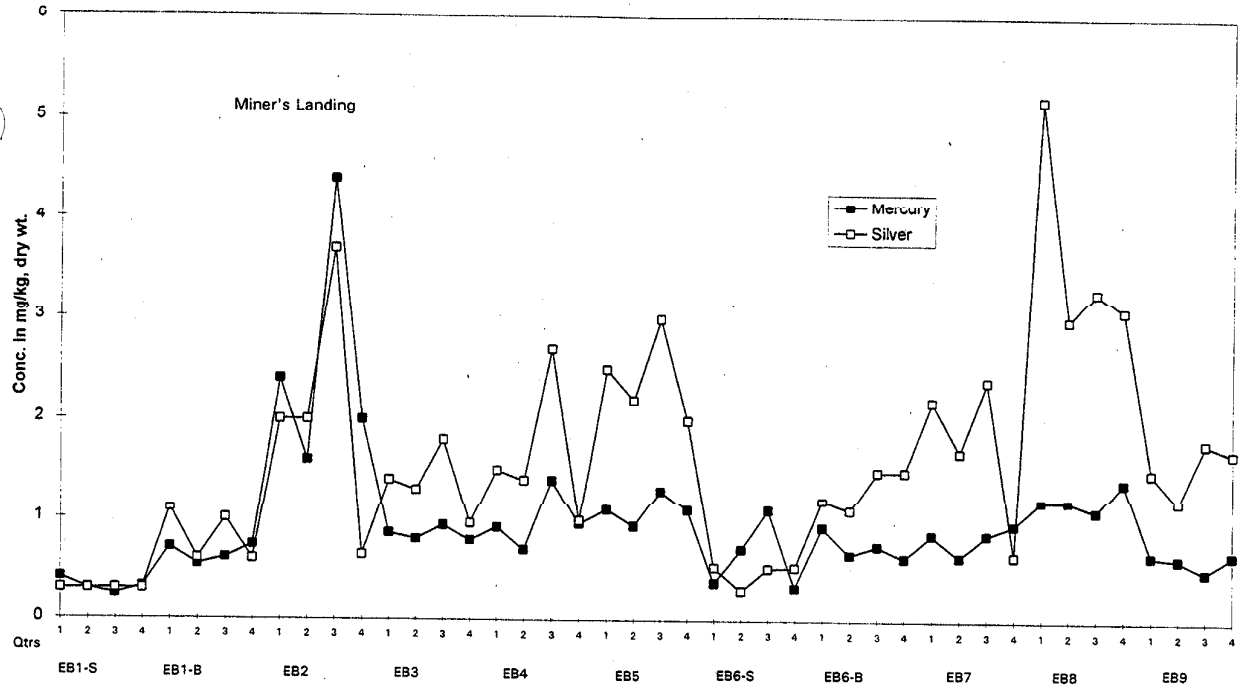


Figure 20 Sediment Trap Station Locations



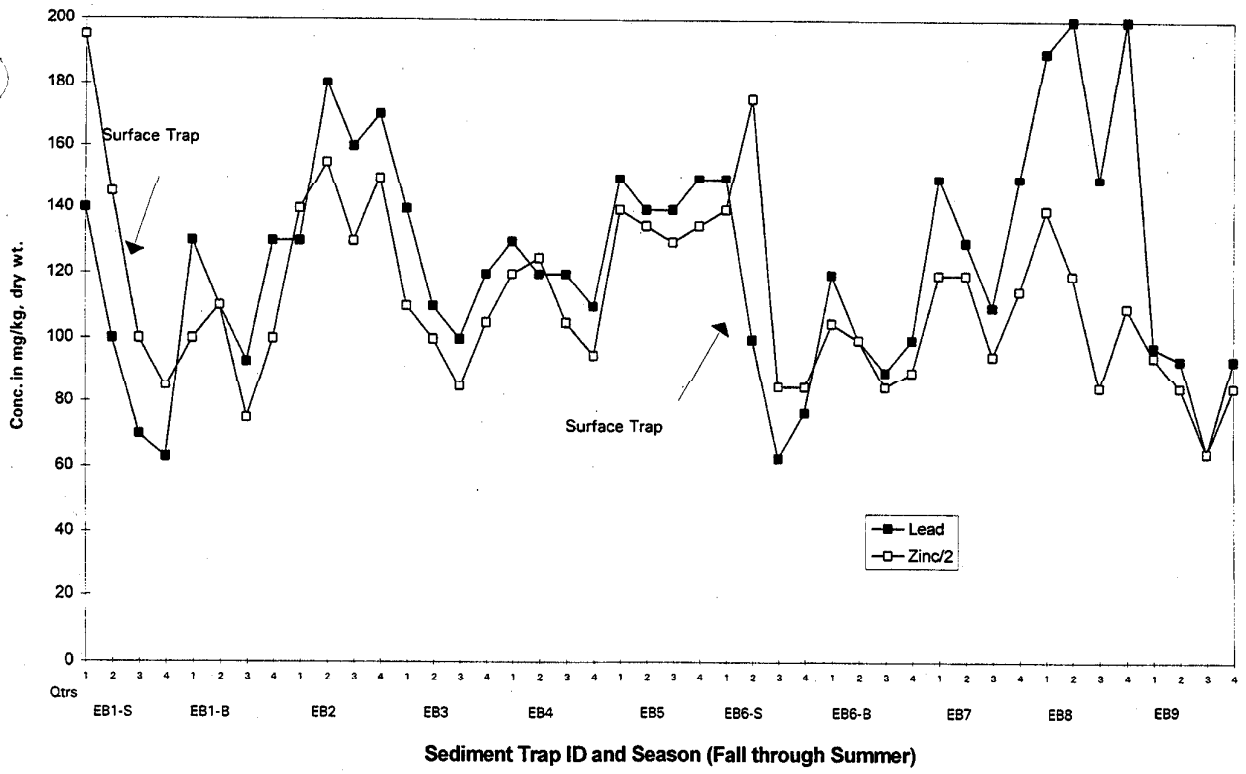


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Figure 21 Metal Concentrations in Sediment Trap Particulates

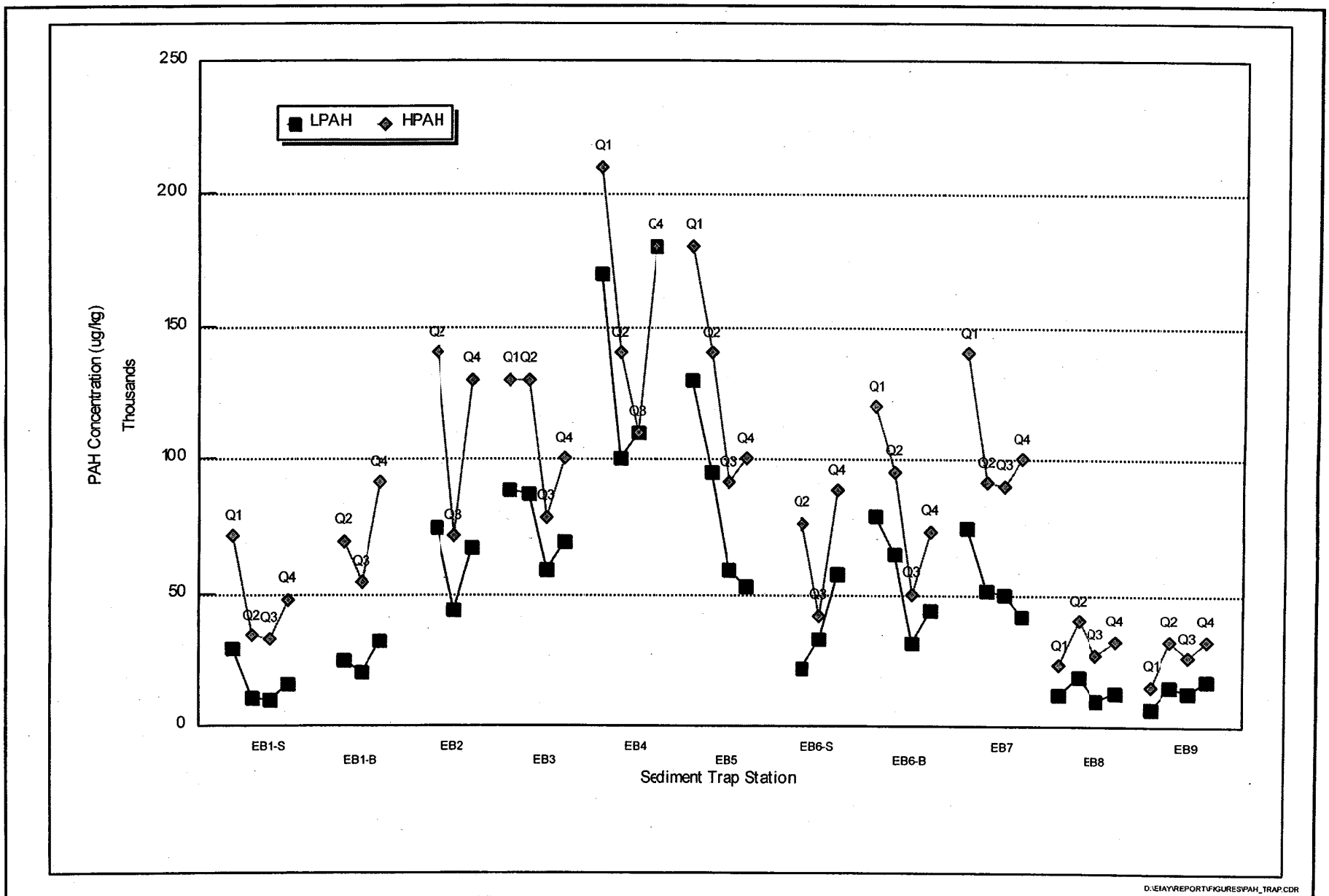
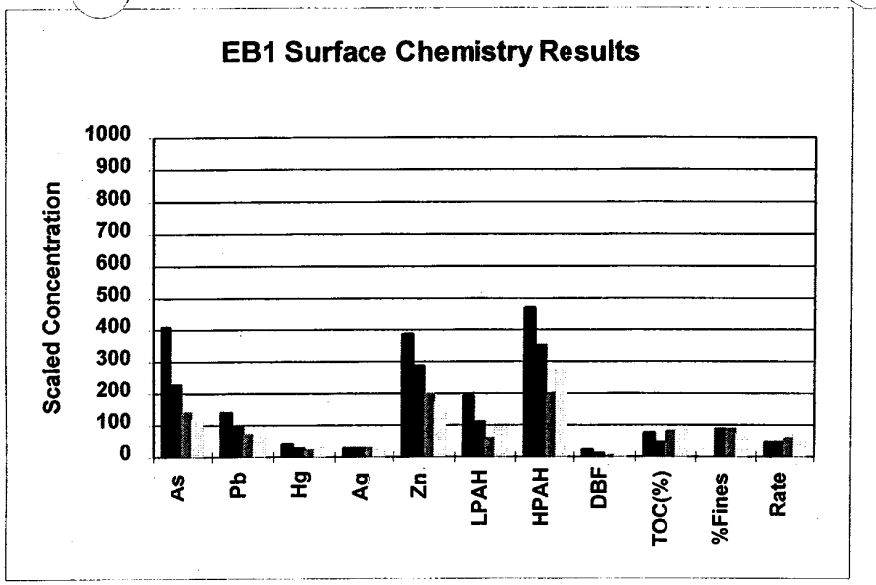
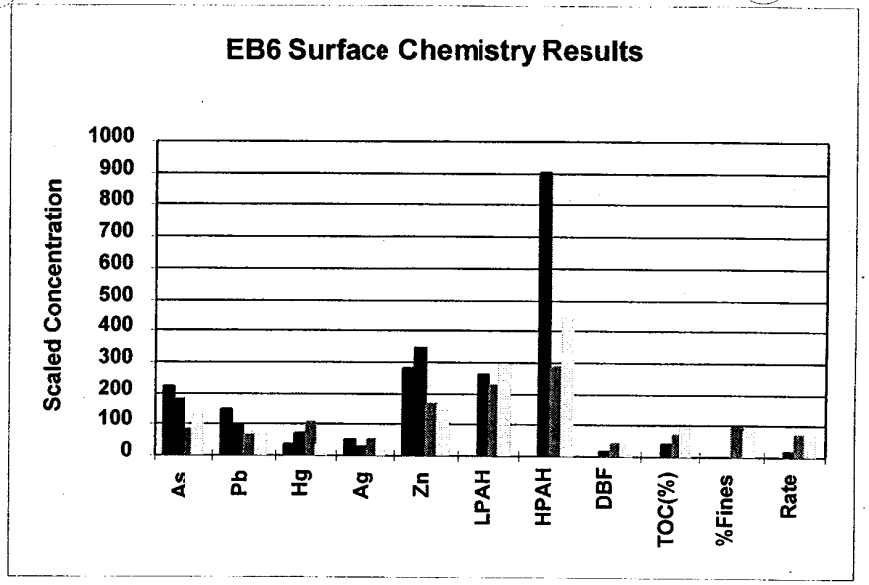
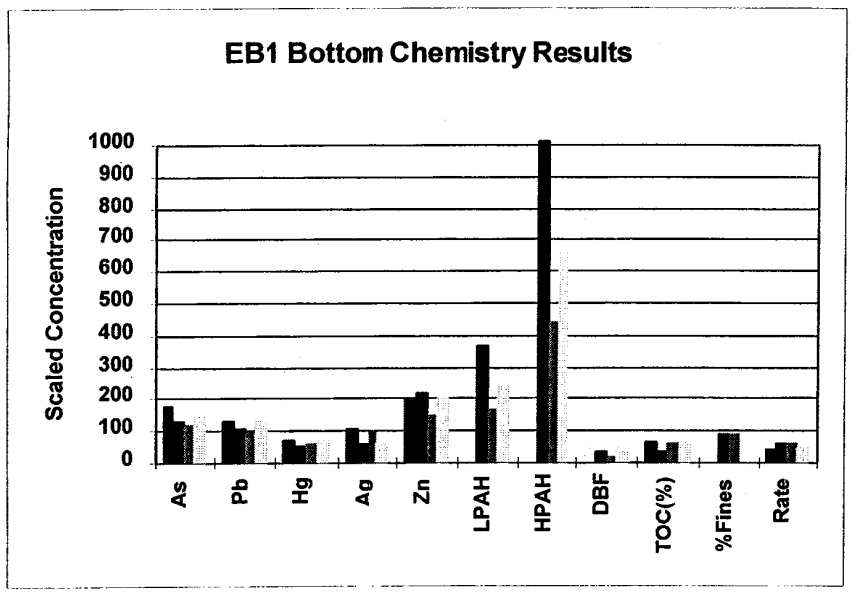


Figure 22 PAH Concentration in Sediment Trap Particulates







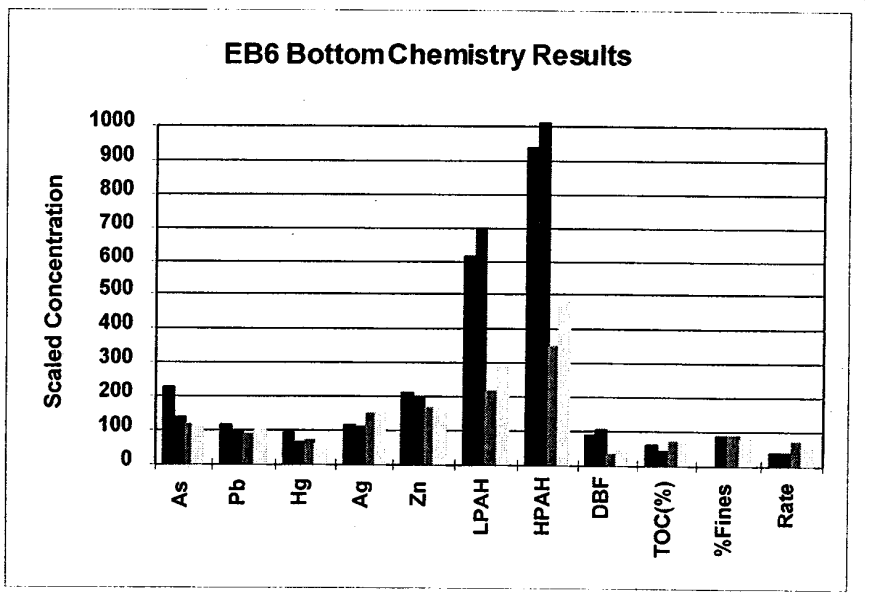


Figure 23 Comparison of Surface and Bottom Traps

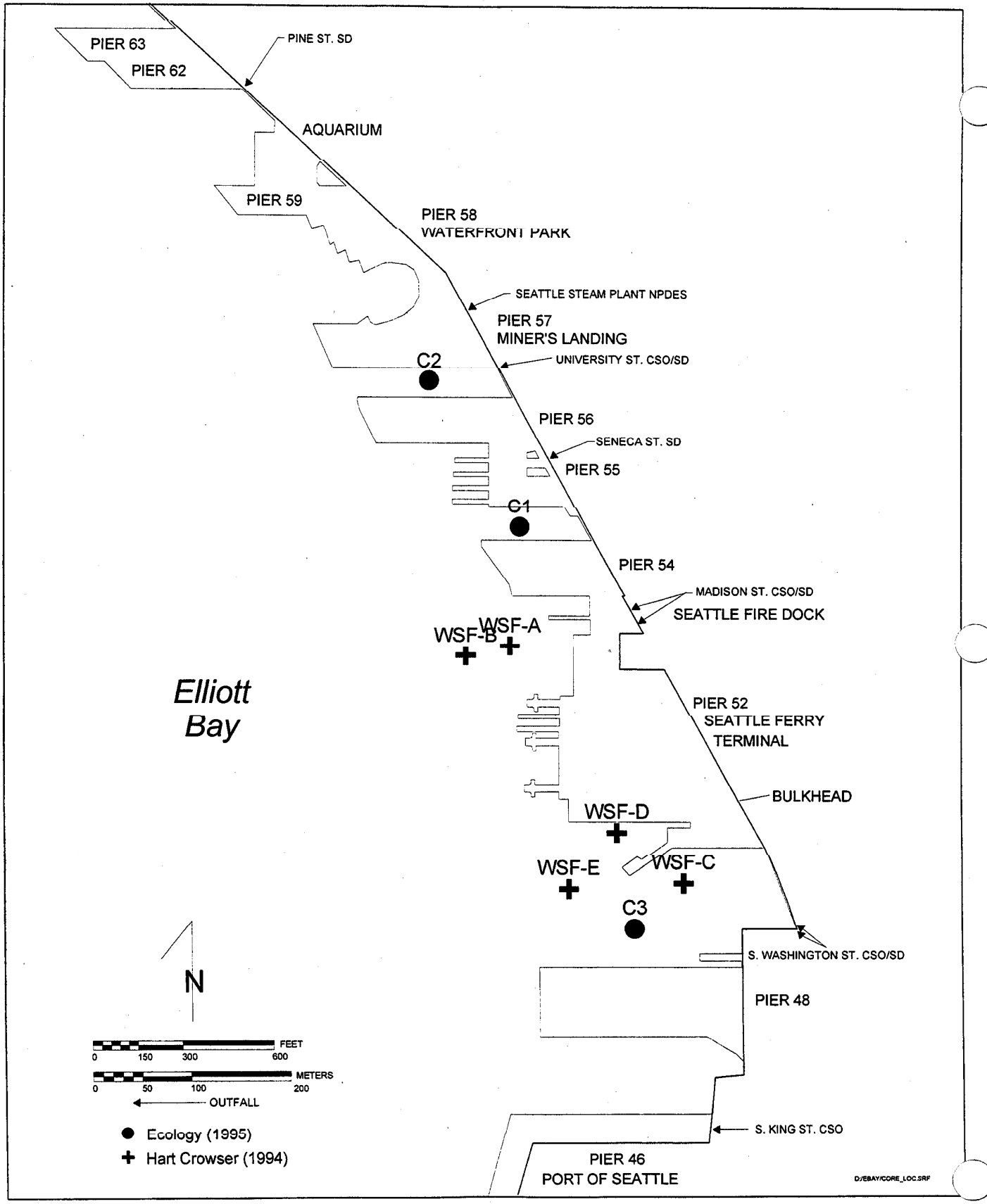


Figure 24 Sediment Core Station Locations

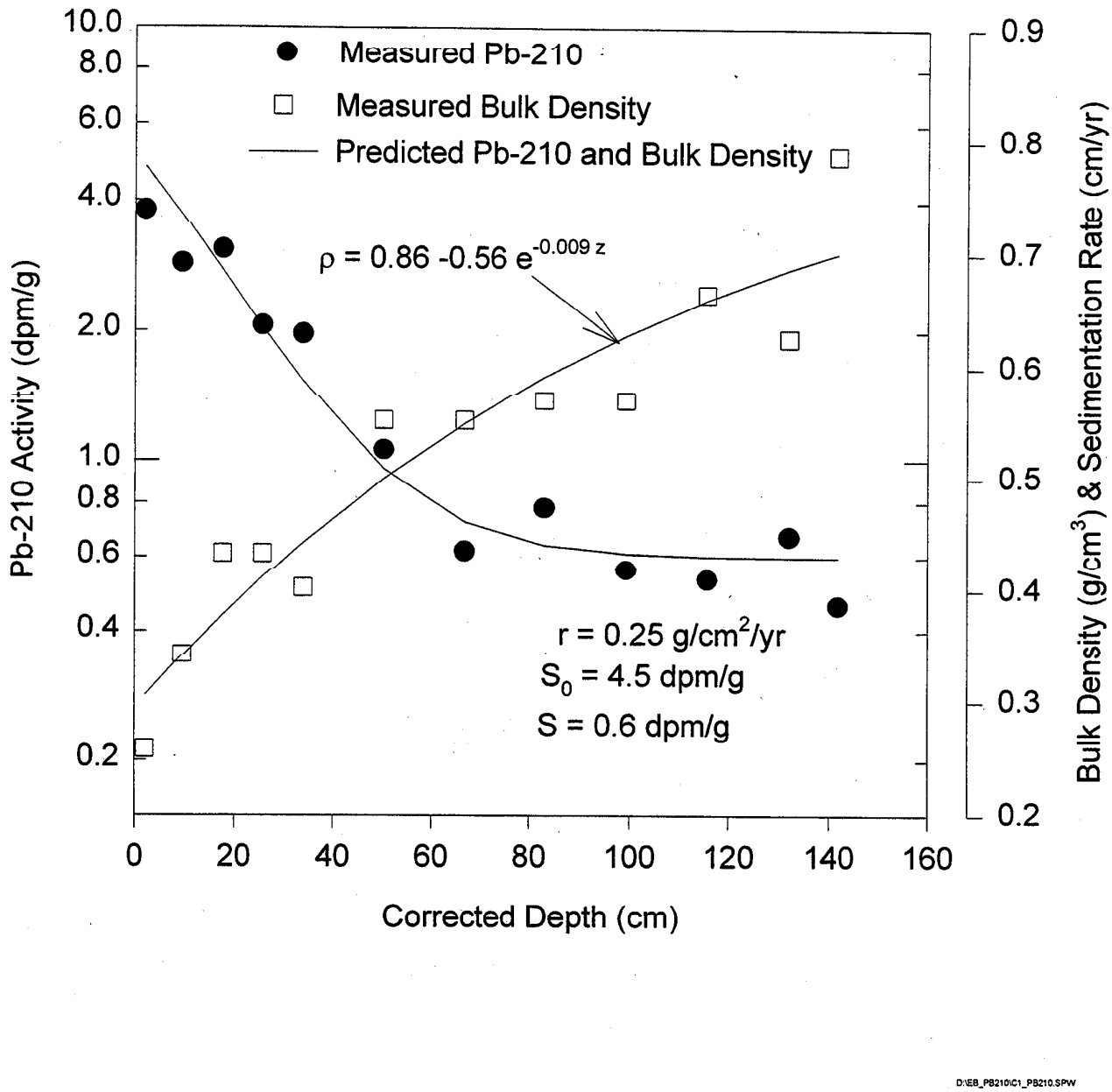


Figure 25 Measured and Predicted Pb-210 and Bulk Density - Core C1

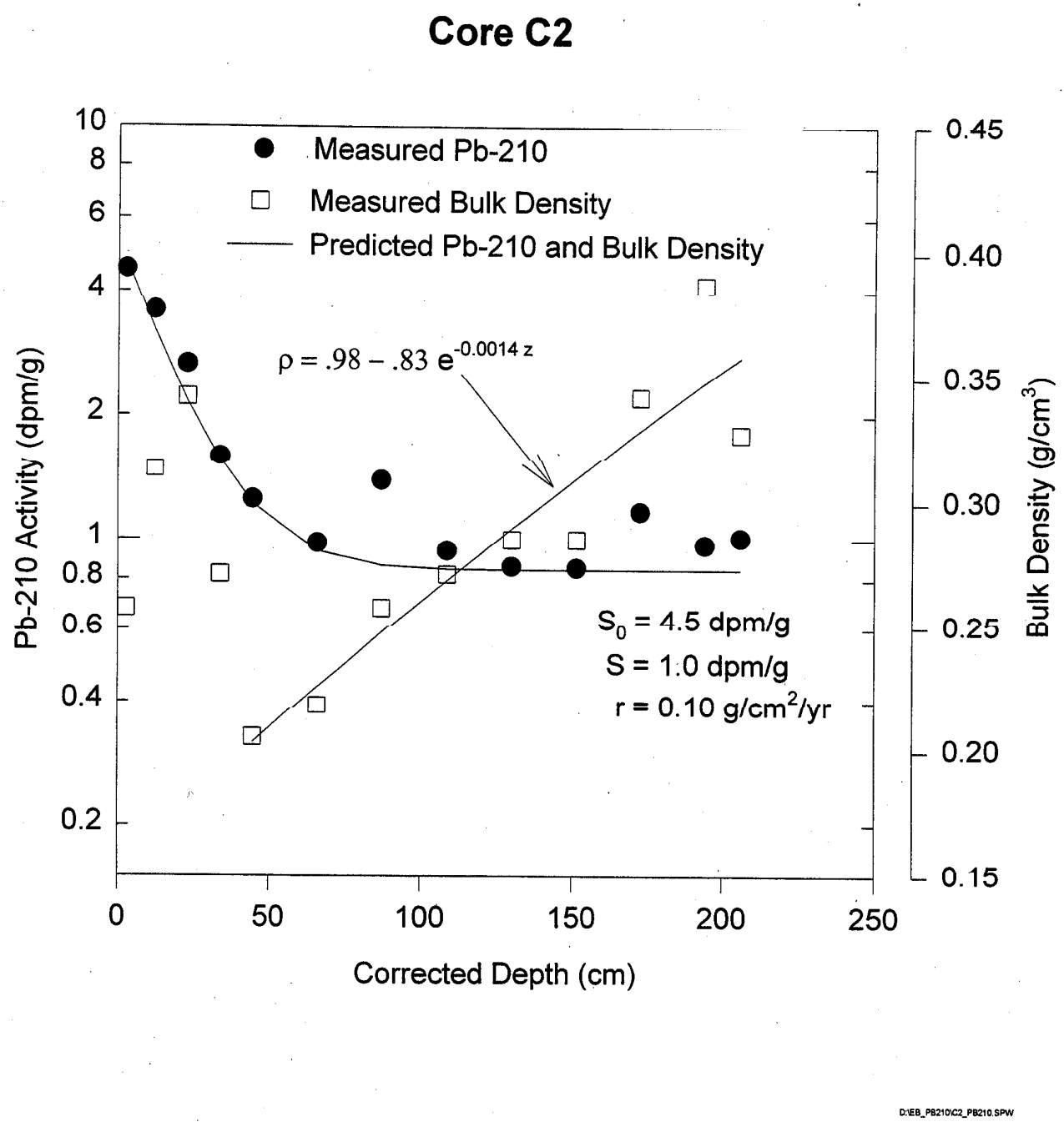


Figure 26 Measured and Predicted Pb-210 and Bulk Density - Core C2

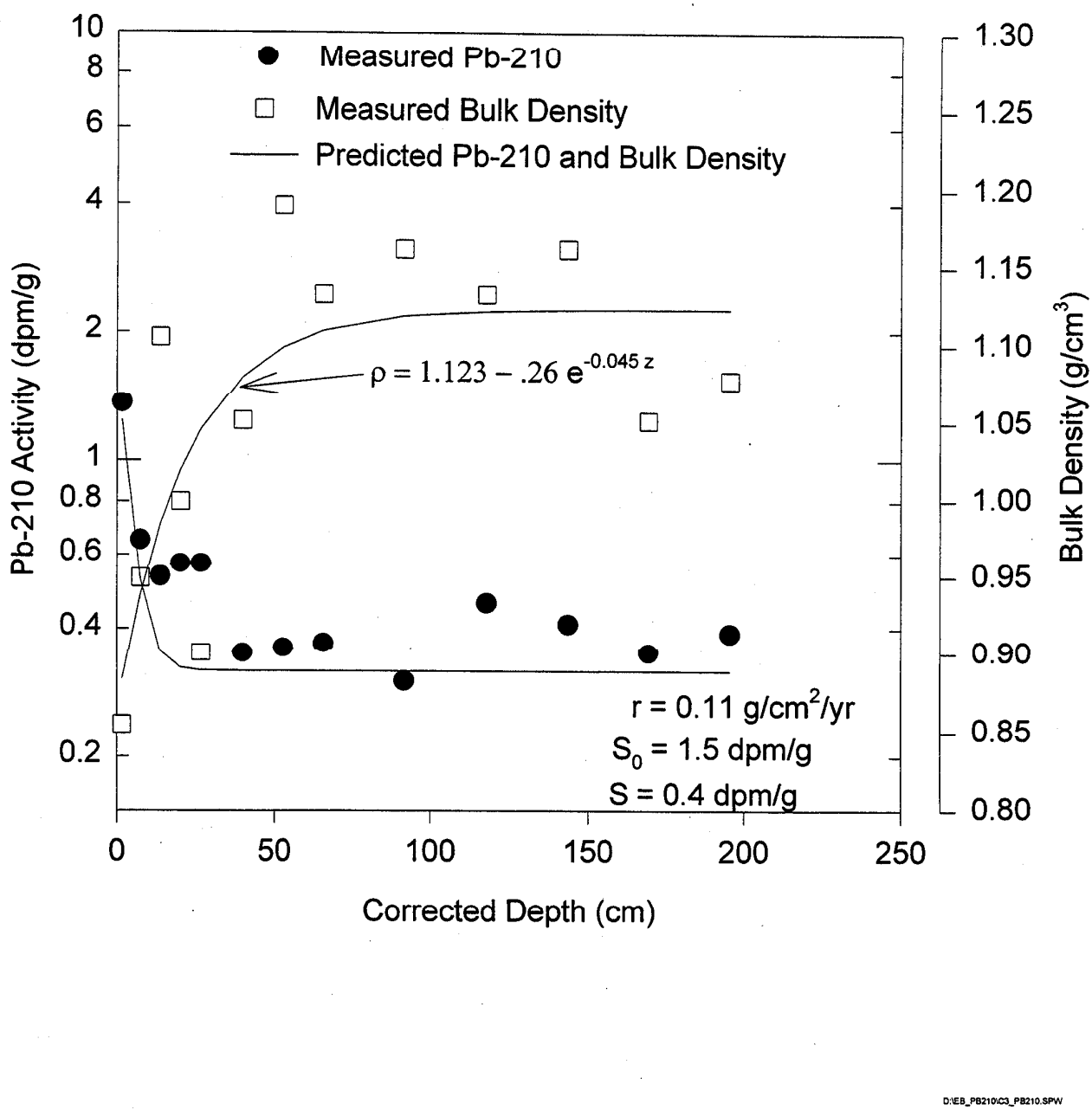


Figure 27 Measured and Predicted Pb-210 and Bulk Density - Core C3

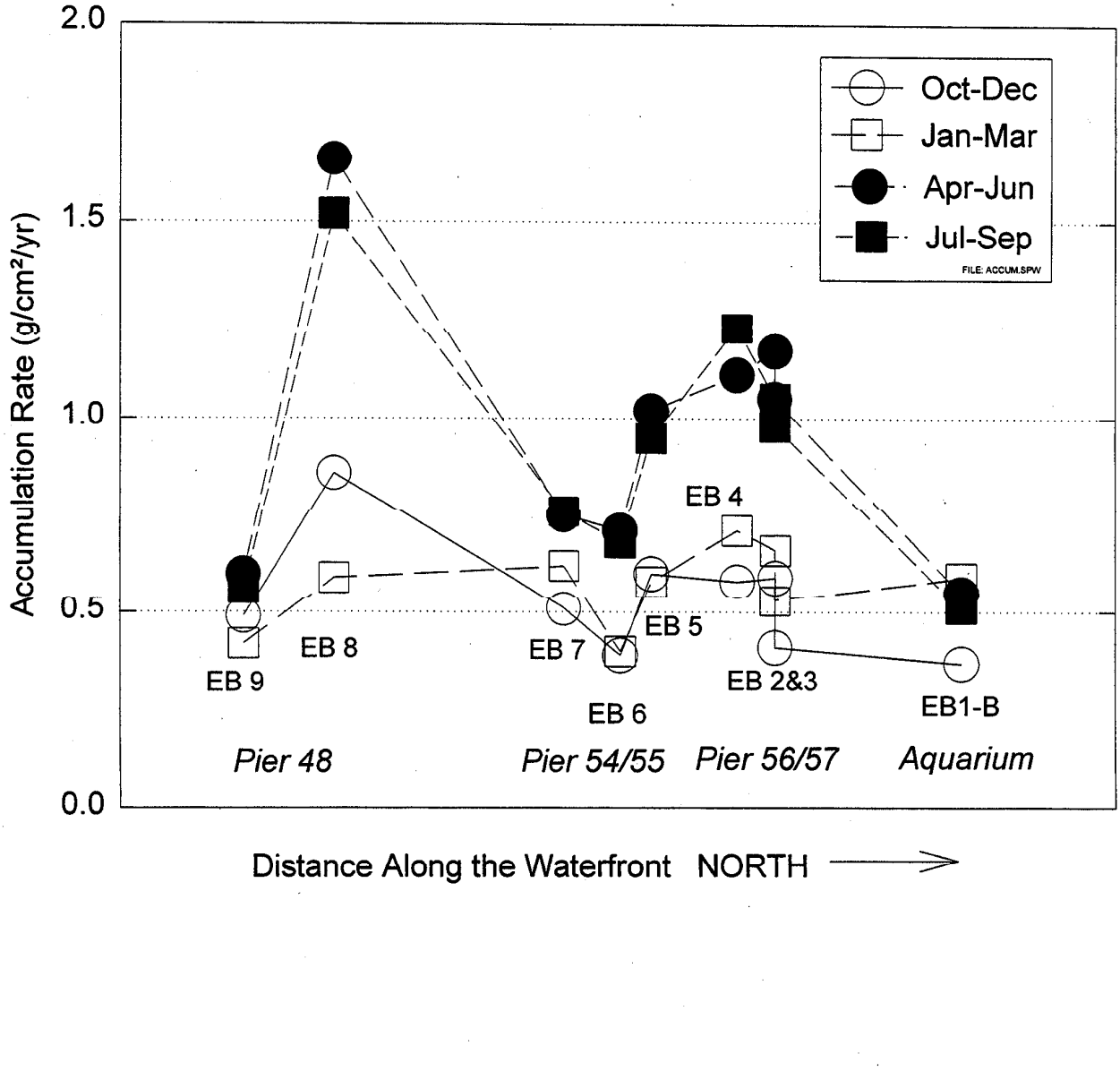


Figure 28 Bottom Sediment Trap Accumulation Rate by Quarter

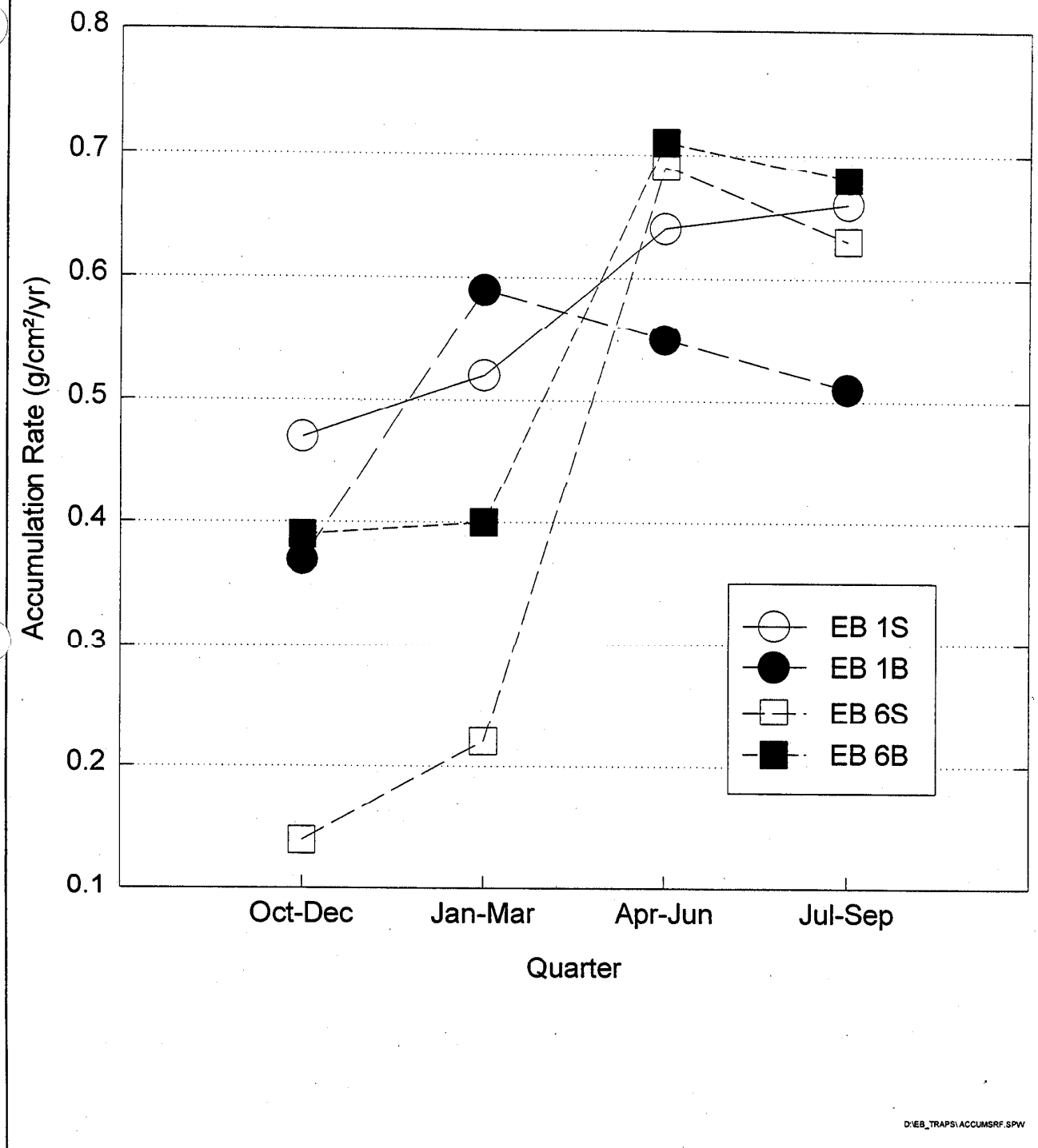


Figure 29 Bottom and Surface Trap Accumulation Rates by Quarter

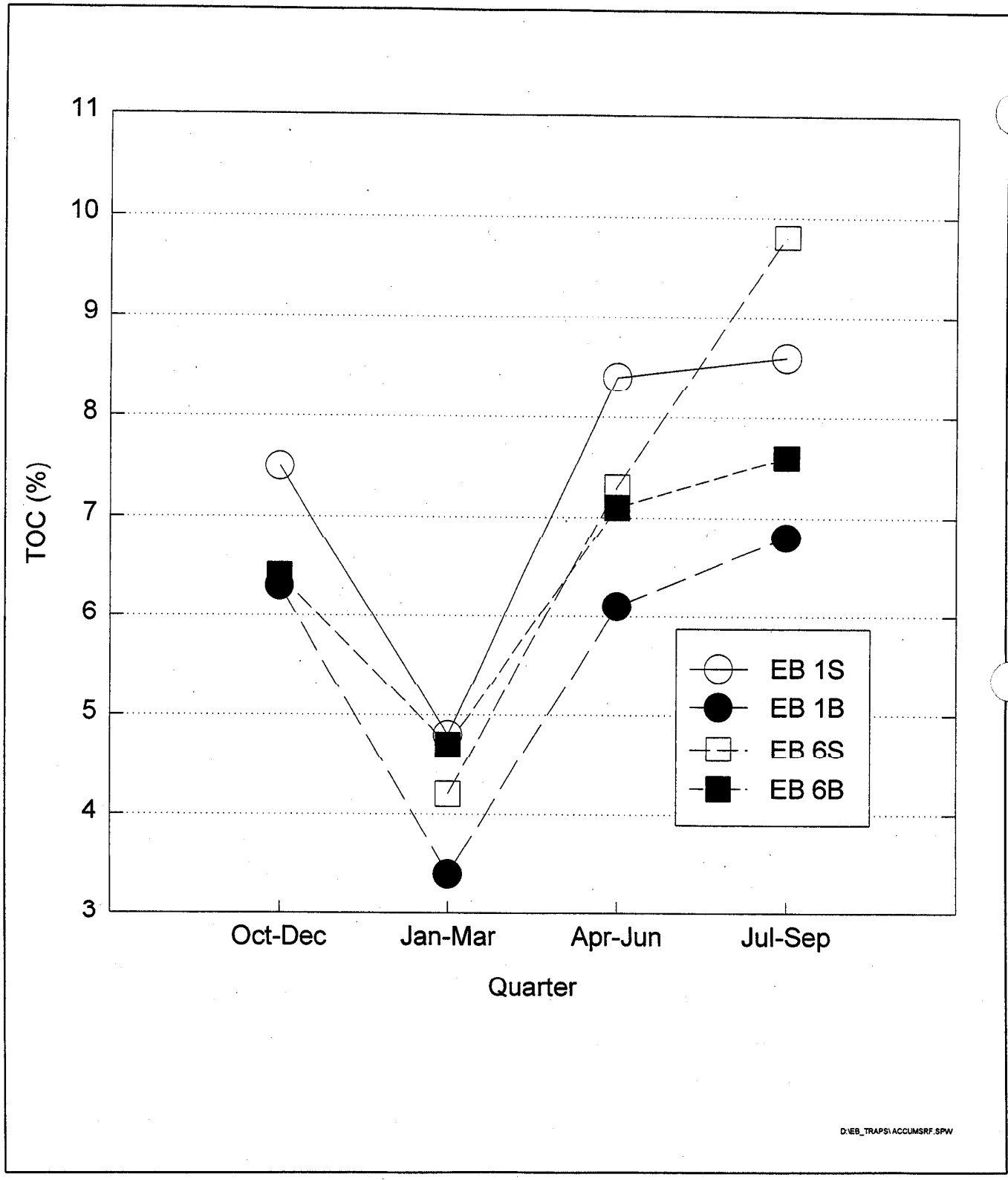


Figure 30 Bottom and Surface Trap TOC Concentration by Quarter

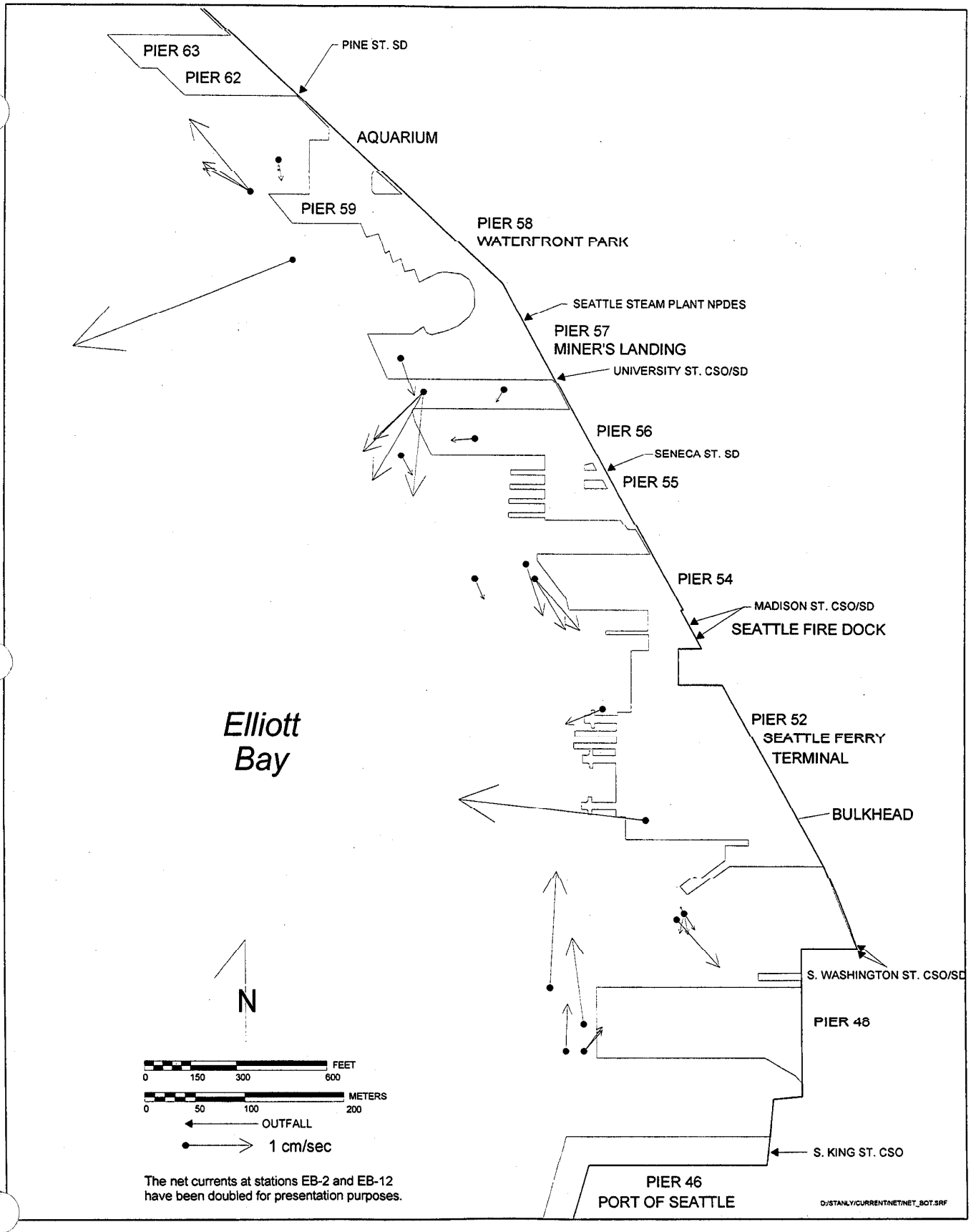


Figure 31 Net Bottom Currents For All Quarters - All Meters Shown

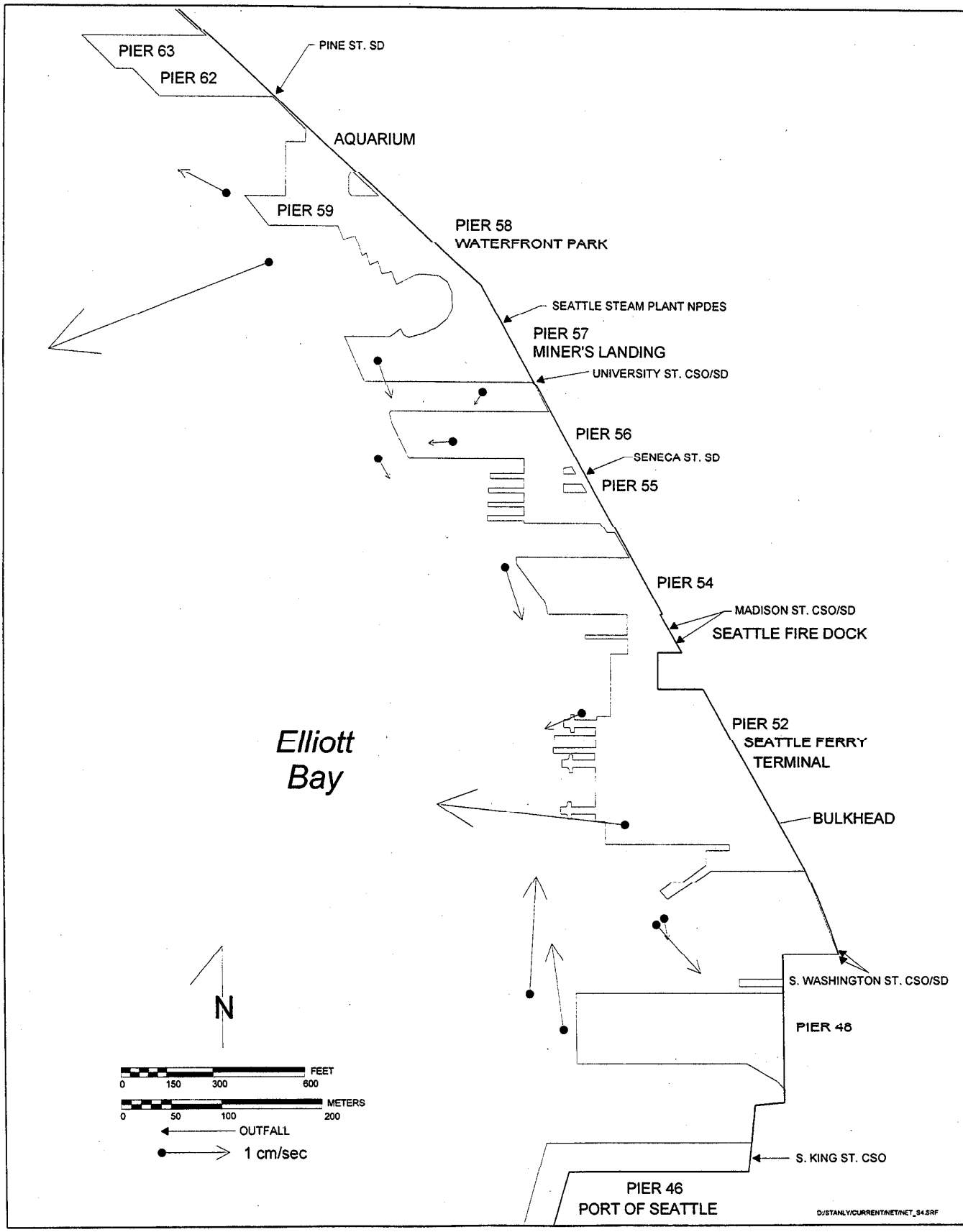


Figure 32 Net Bottom Currents For All Quarters - S4 Meters Only

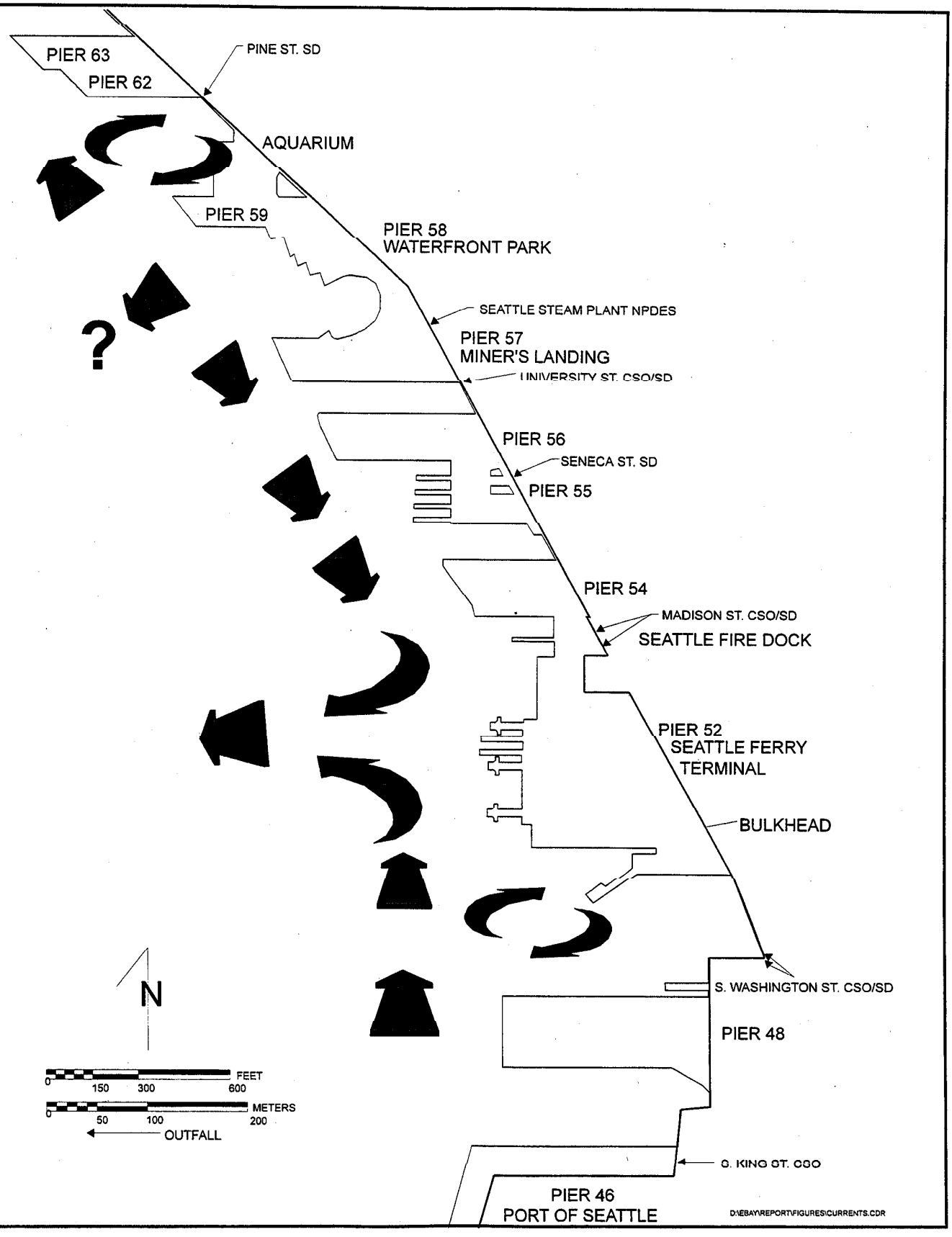


Figure 33 Generalized Bottm Circulation from Net Currents

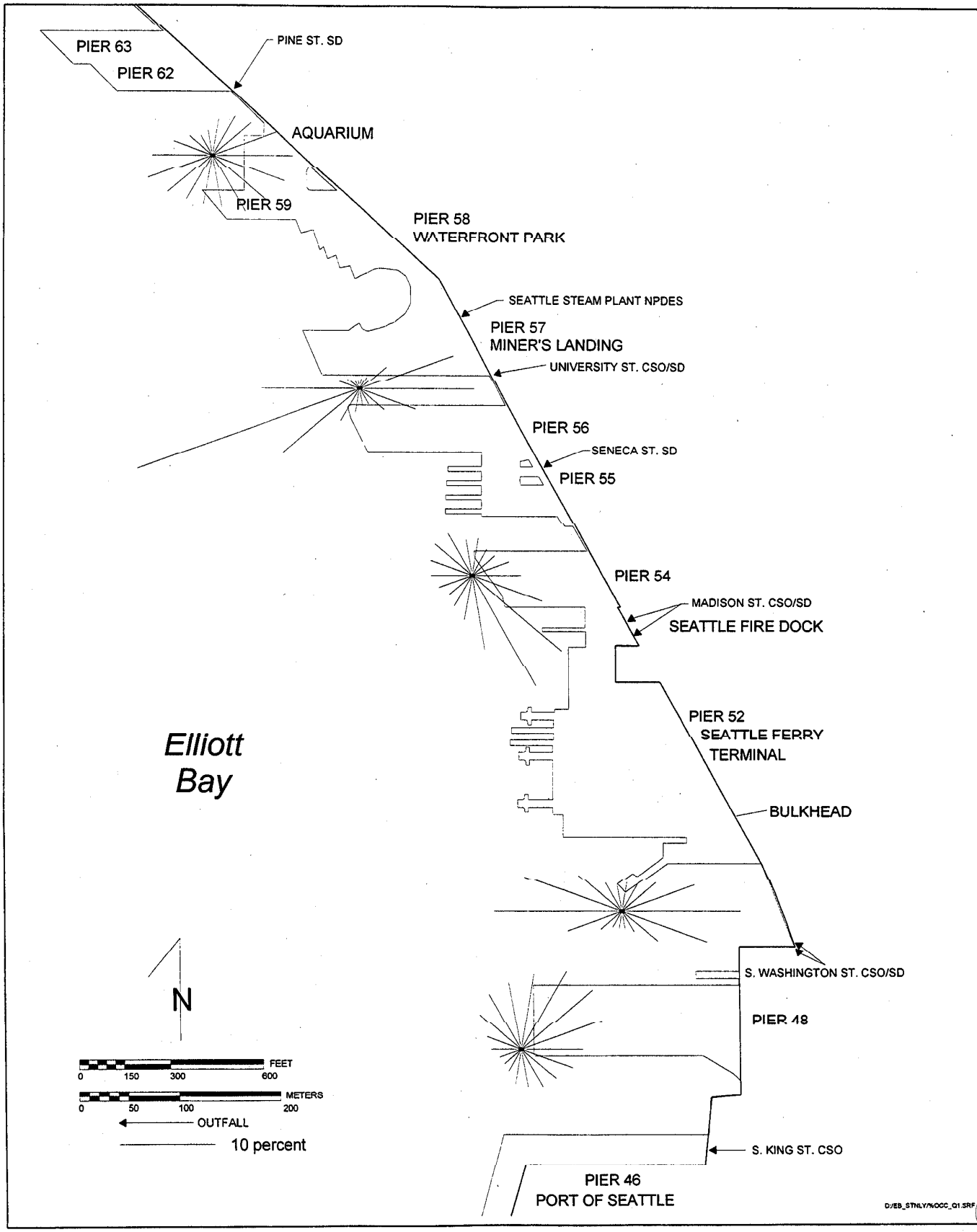


Figure 34a Percent Occurrence Roses (Oct-Dec 1993)

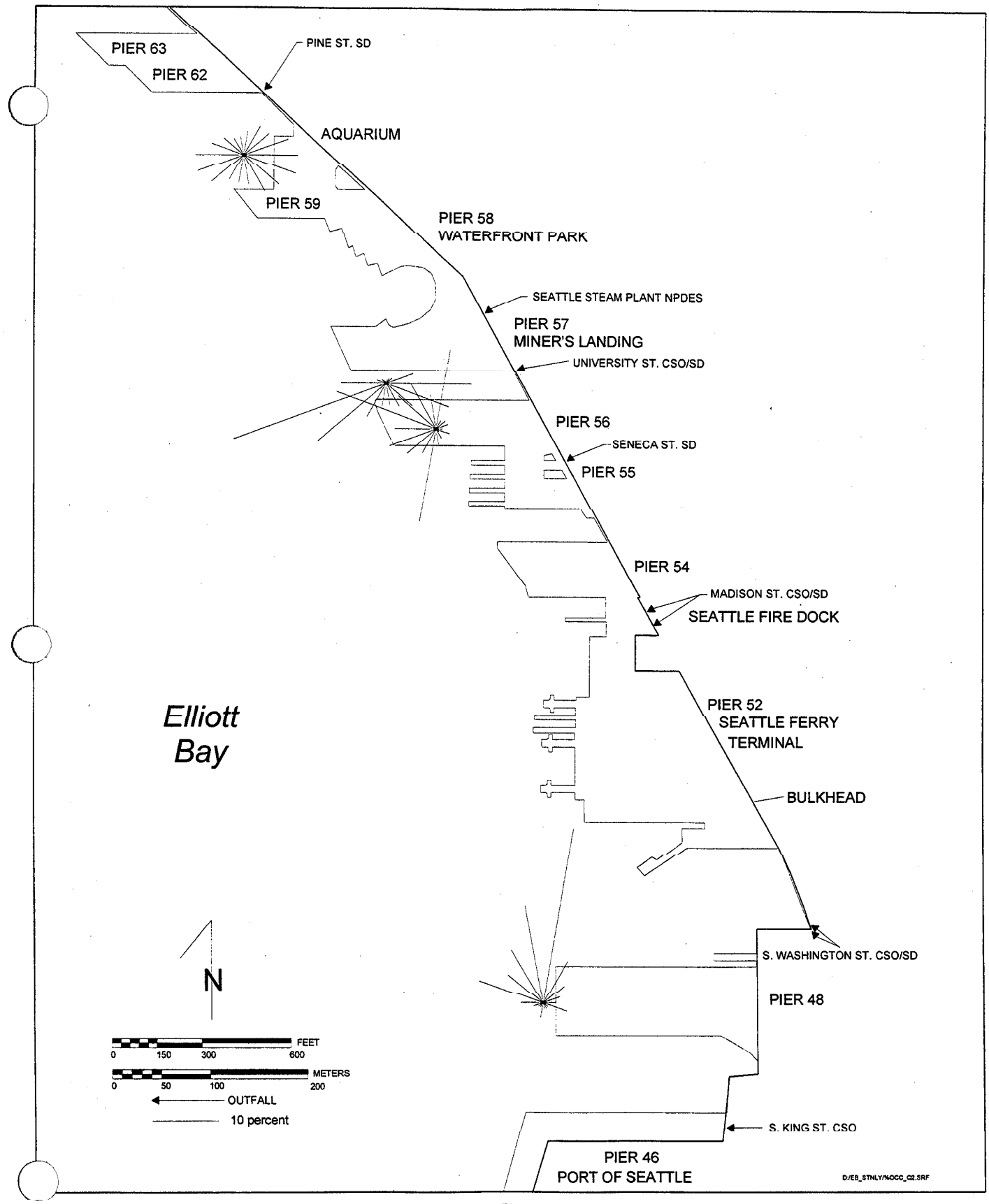


Figure 34b Percent Occurrence Roses (Jan - Mar 1994)

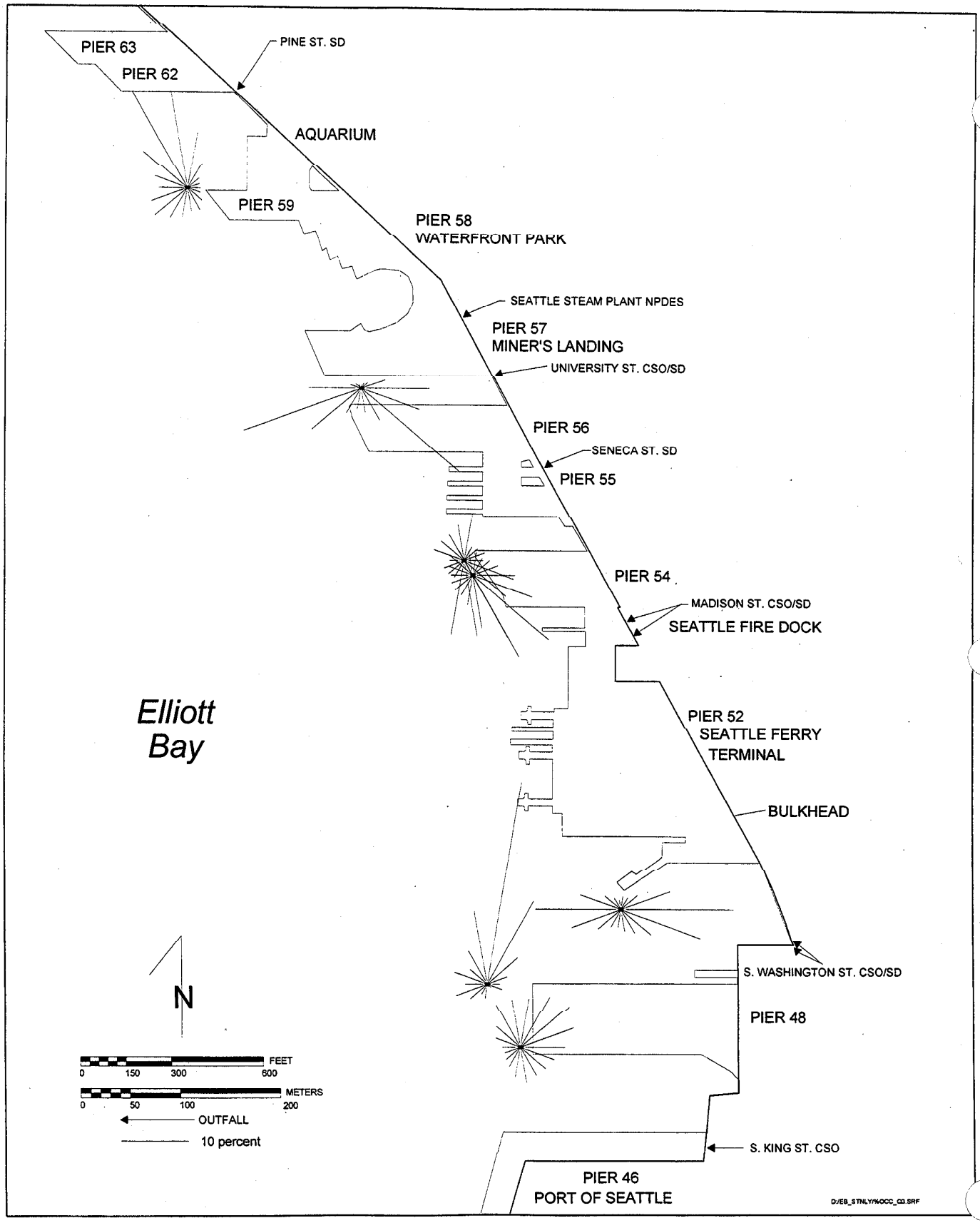


Figure 34c Percent Occurrence Roses (Apr - Jun 1994)

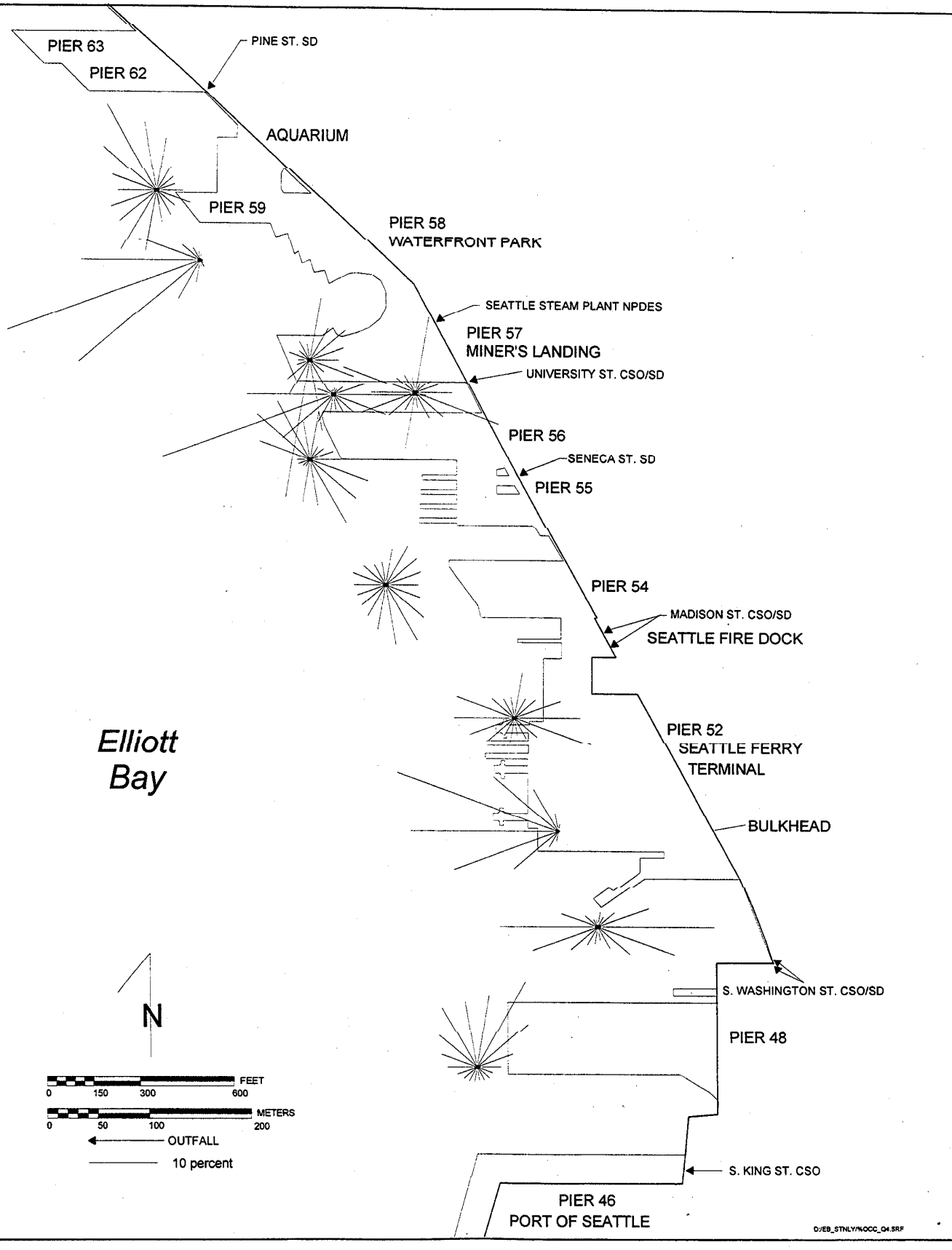


Figure 34d Percent Occurrence Roses (Jul - Sep 1994)

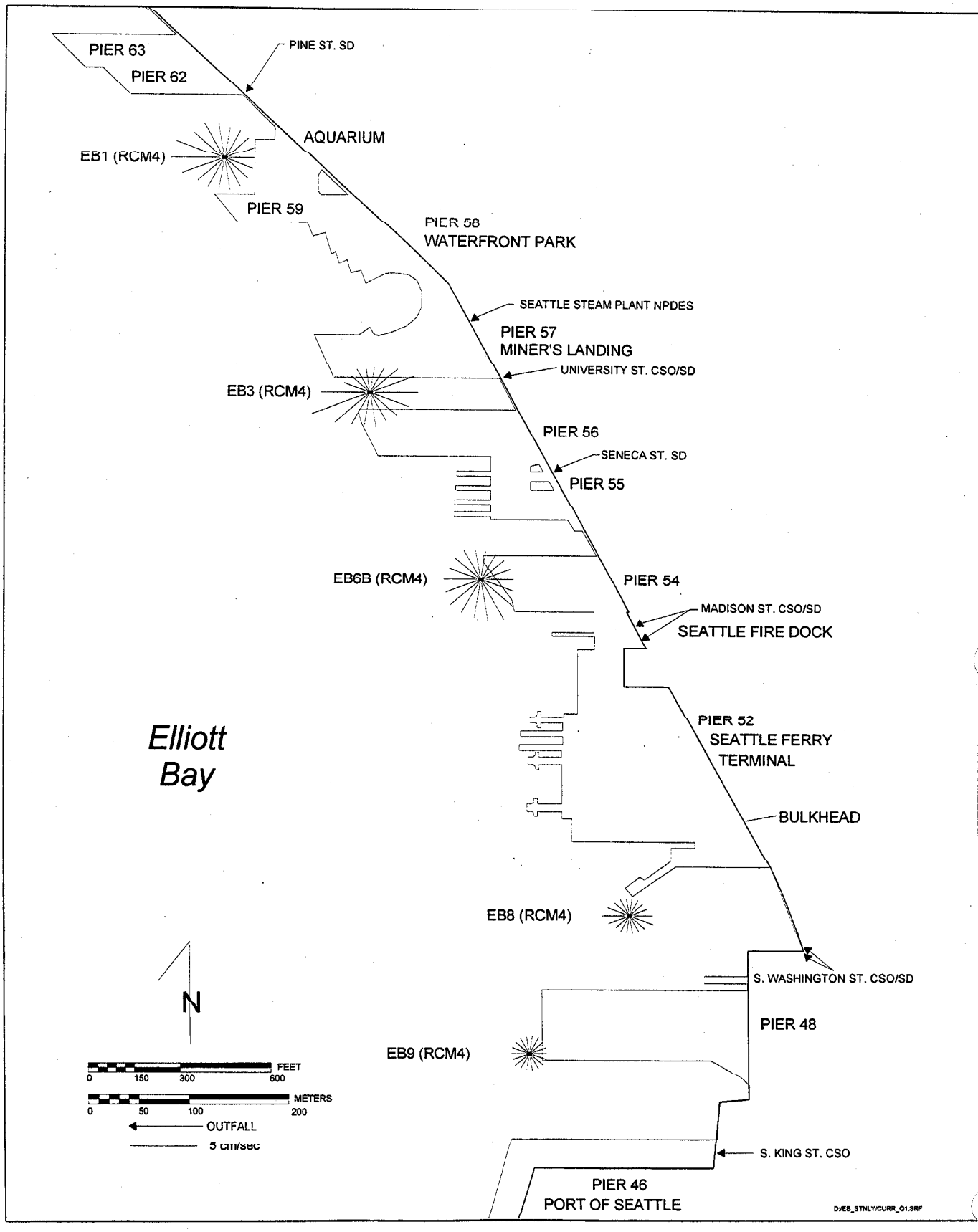


Figure 35a Mean Current Speed Roses (Oct - Dec 1993)

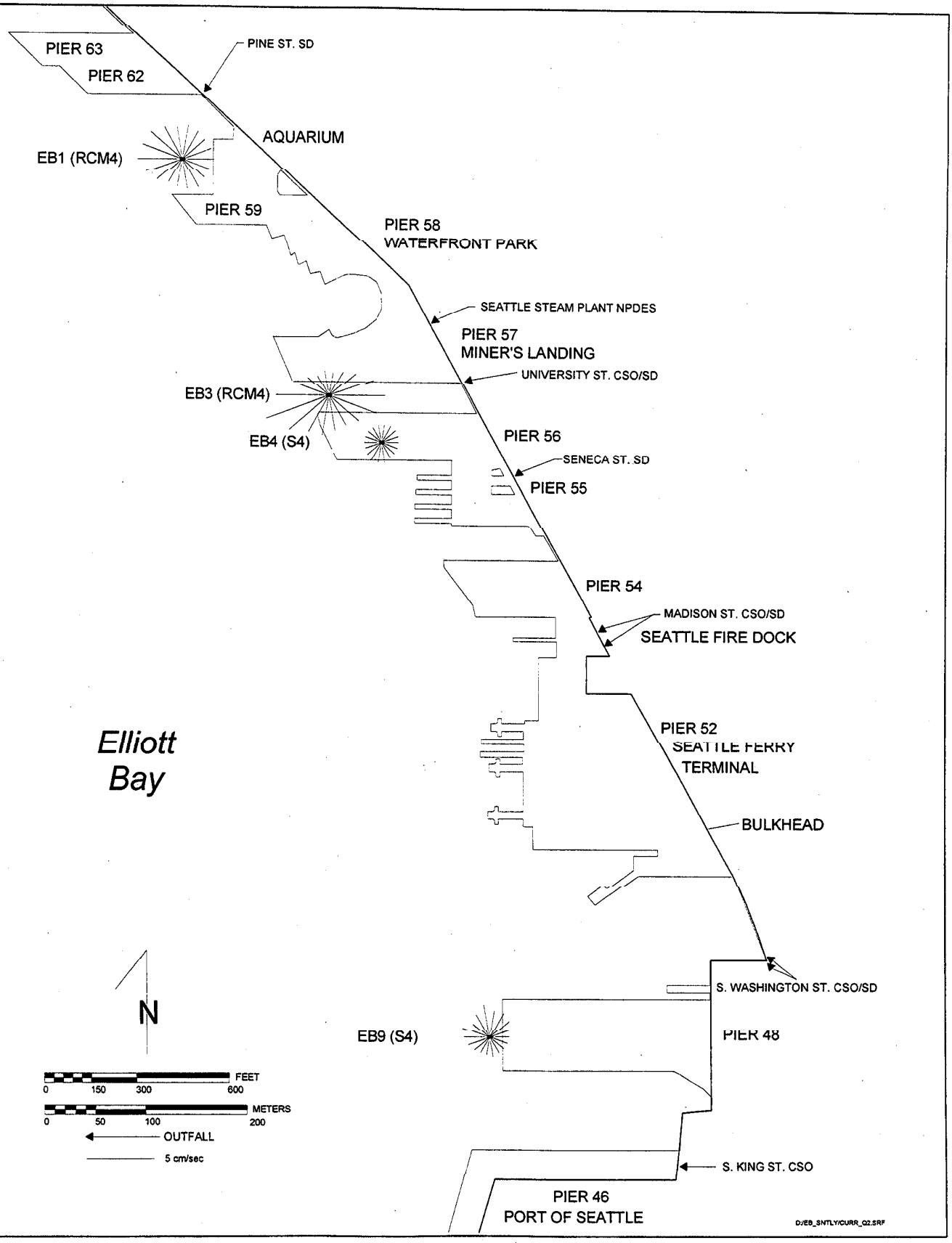


Figure 35b Mean Current Speed Roses (Jan - Mar 1994)

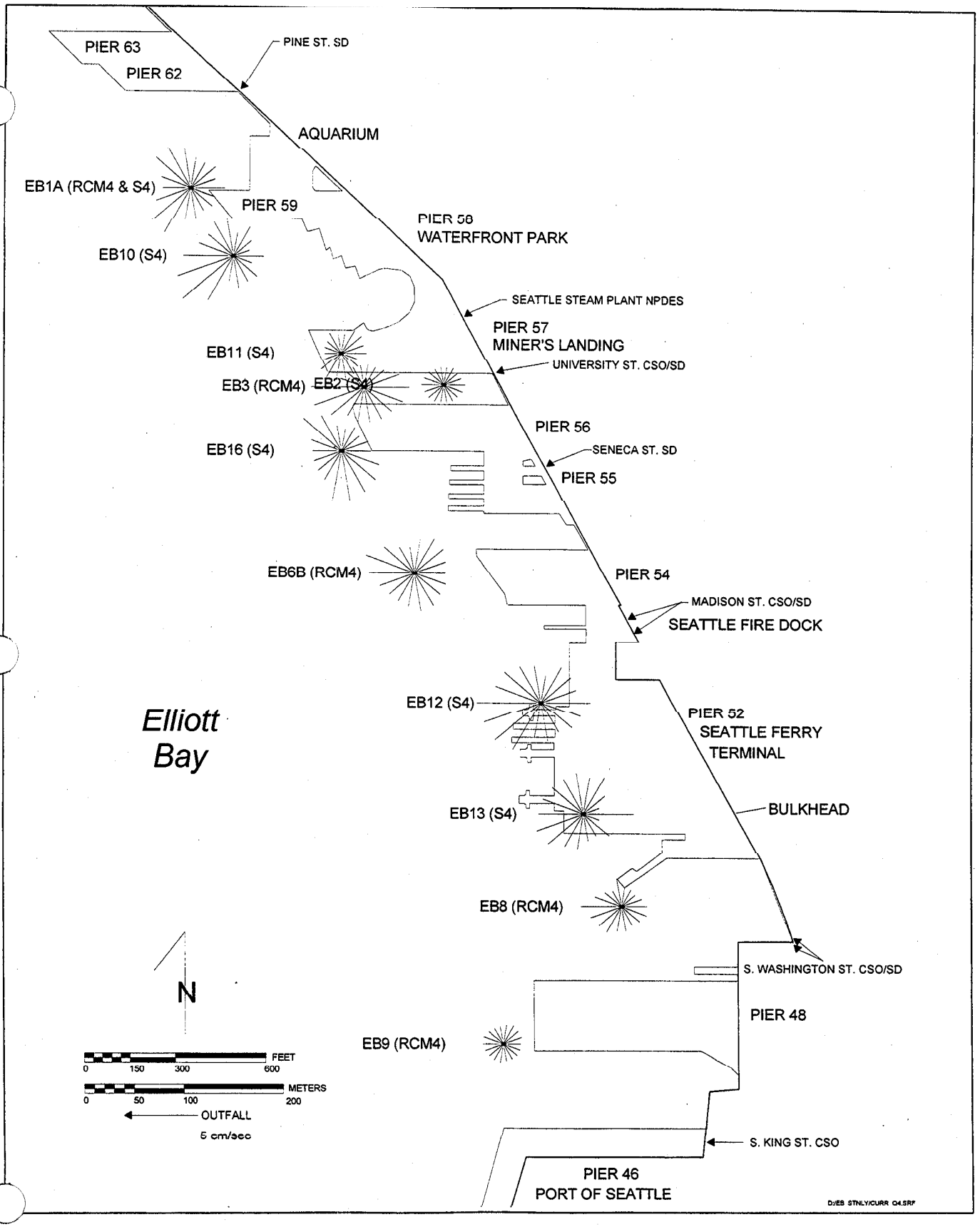


Figure 35d Mean Current Speed Roses (Jul - Sep 1994)

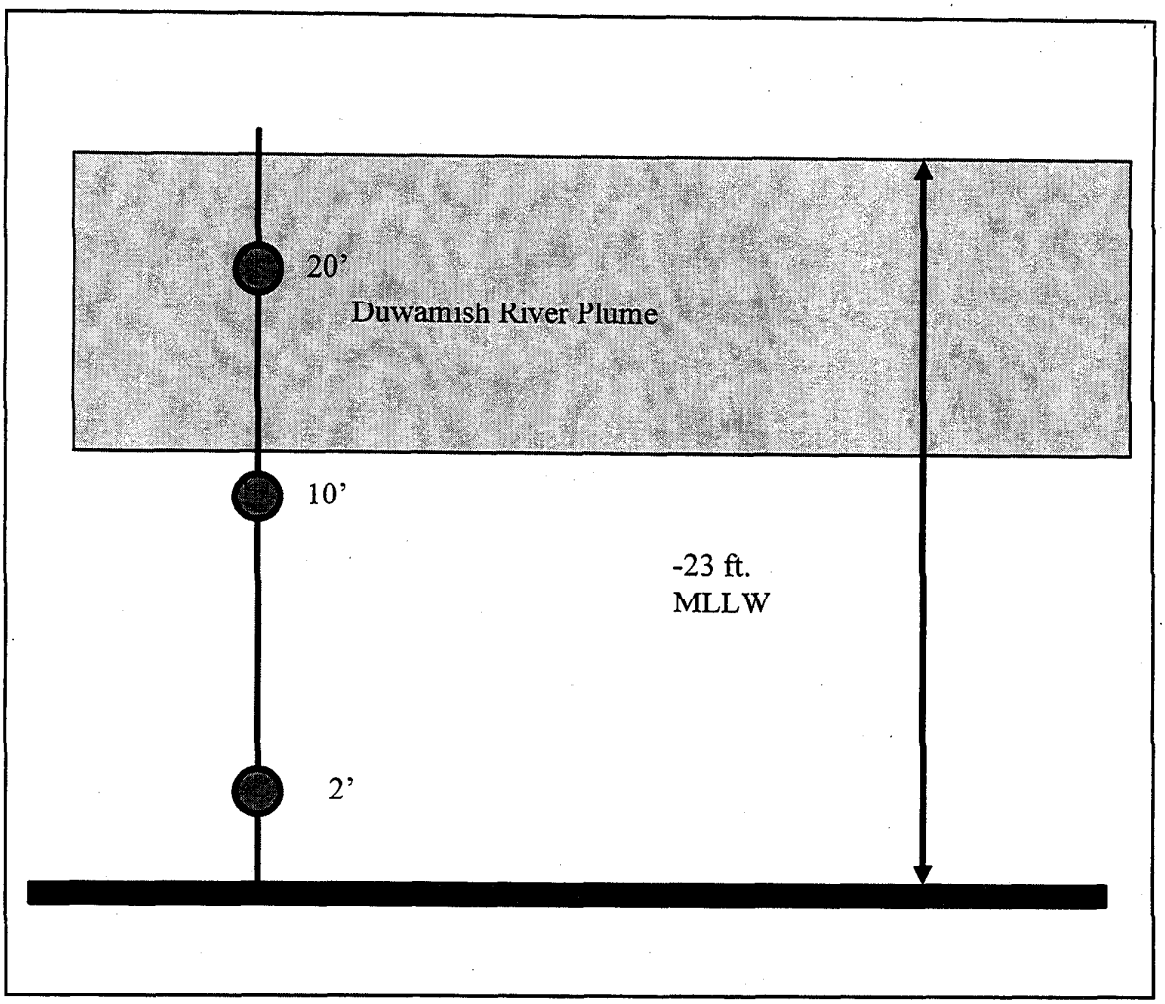


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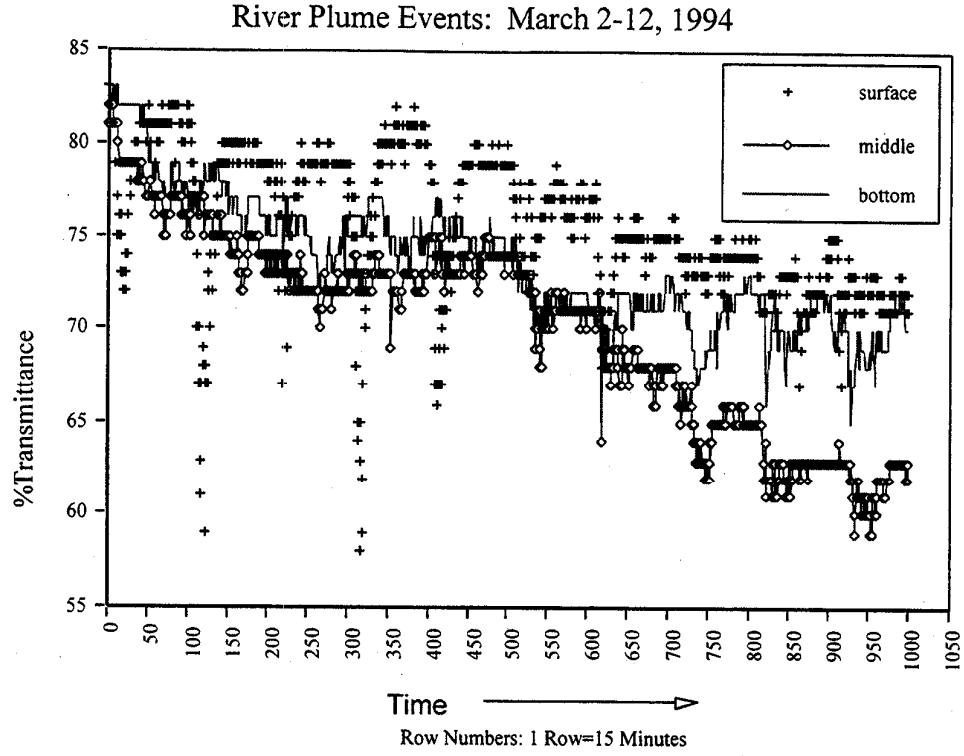
Figure 36 Transmissometer Array

a)



b)

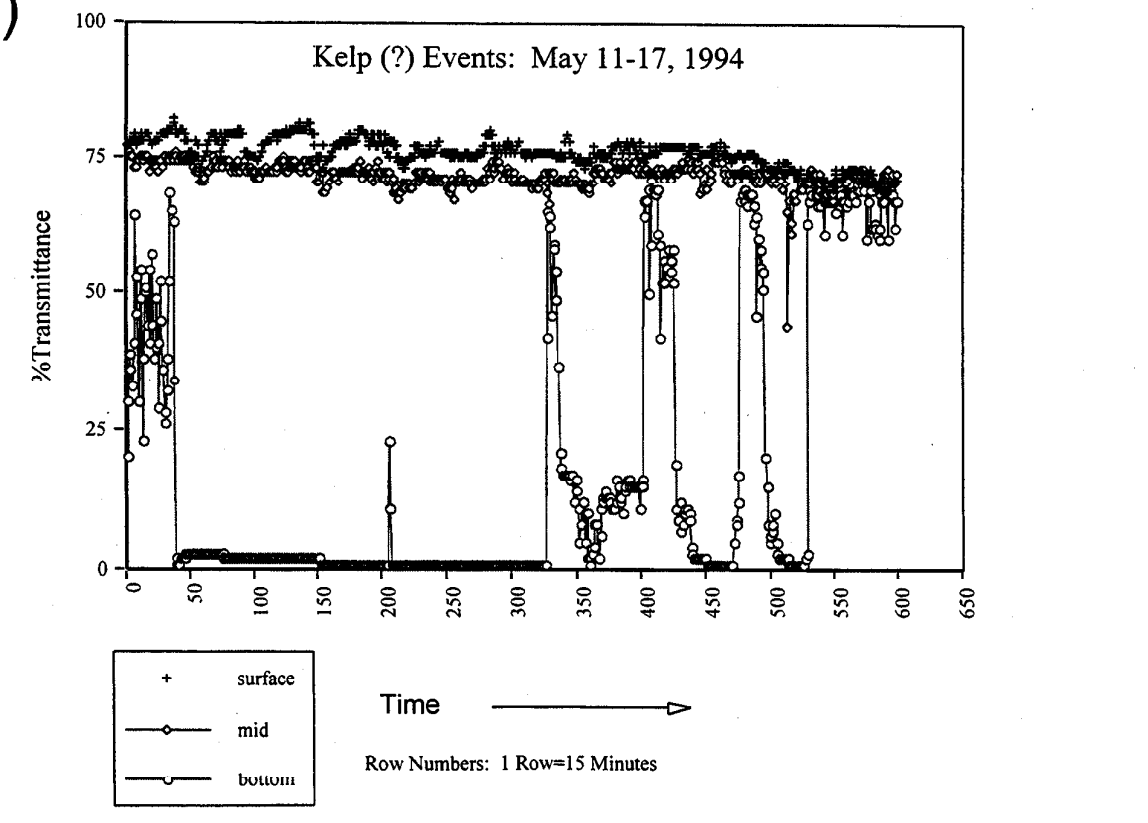


Figure 37 Transmissometer Records: a) March, b) May, 1994

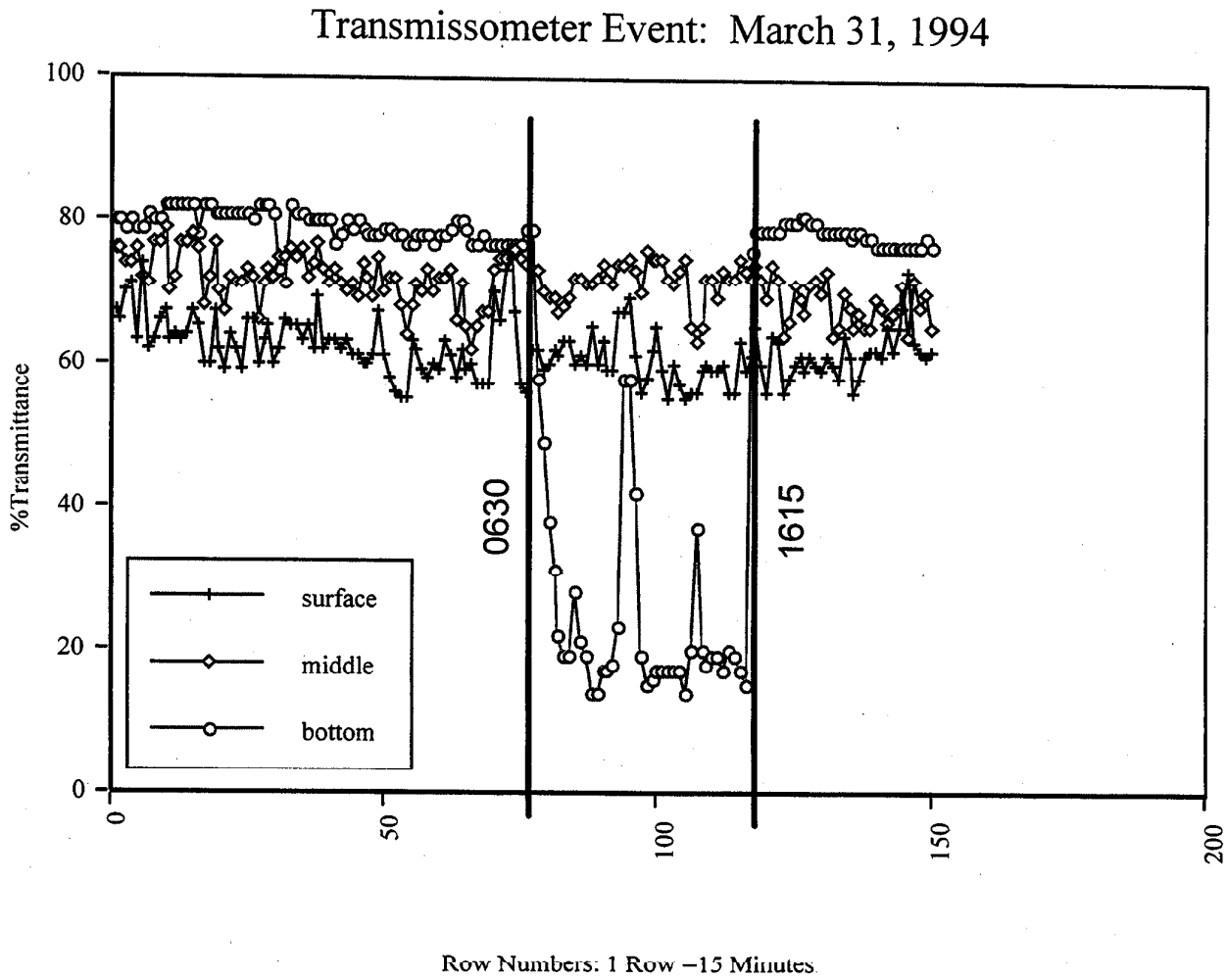


Figure 38 Bottom Transmissometer Event

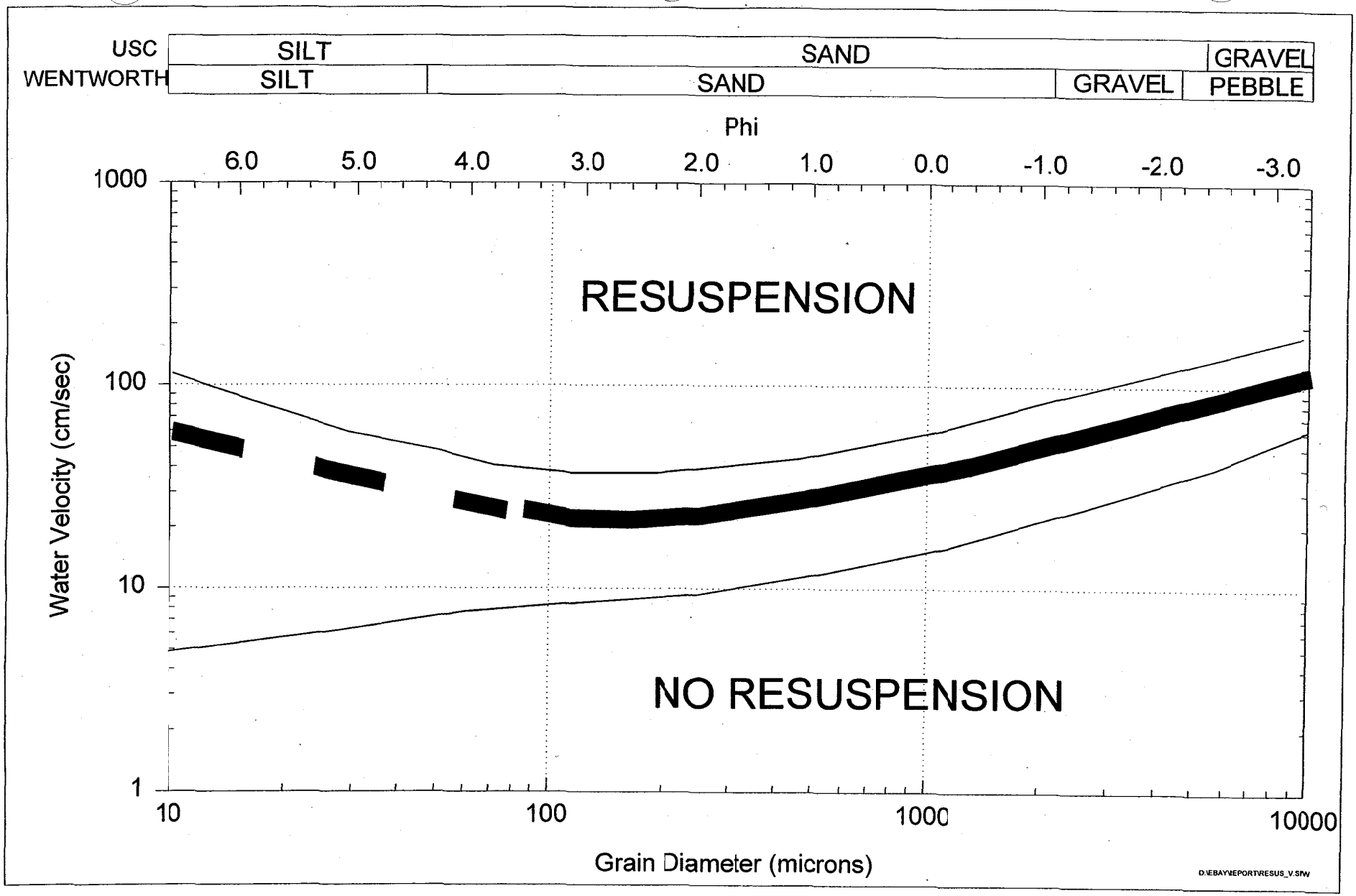


Figure 39 Velocity, Grain Size, Resuspension Relationship

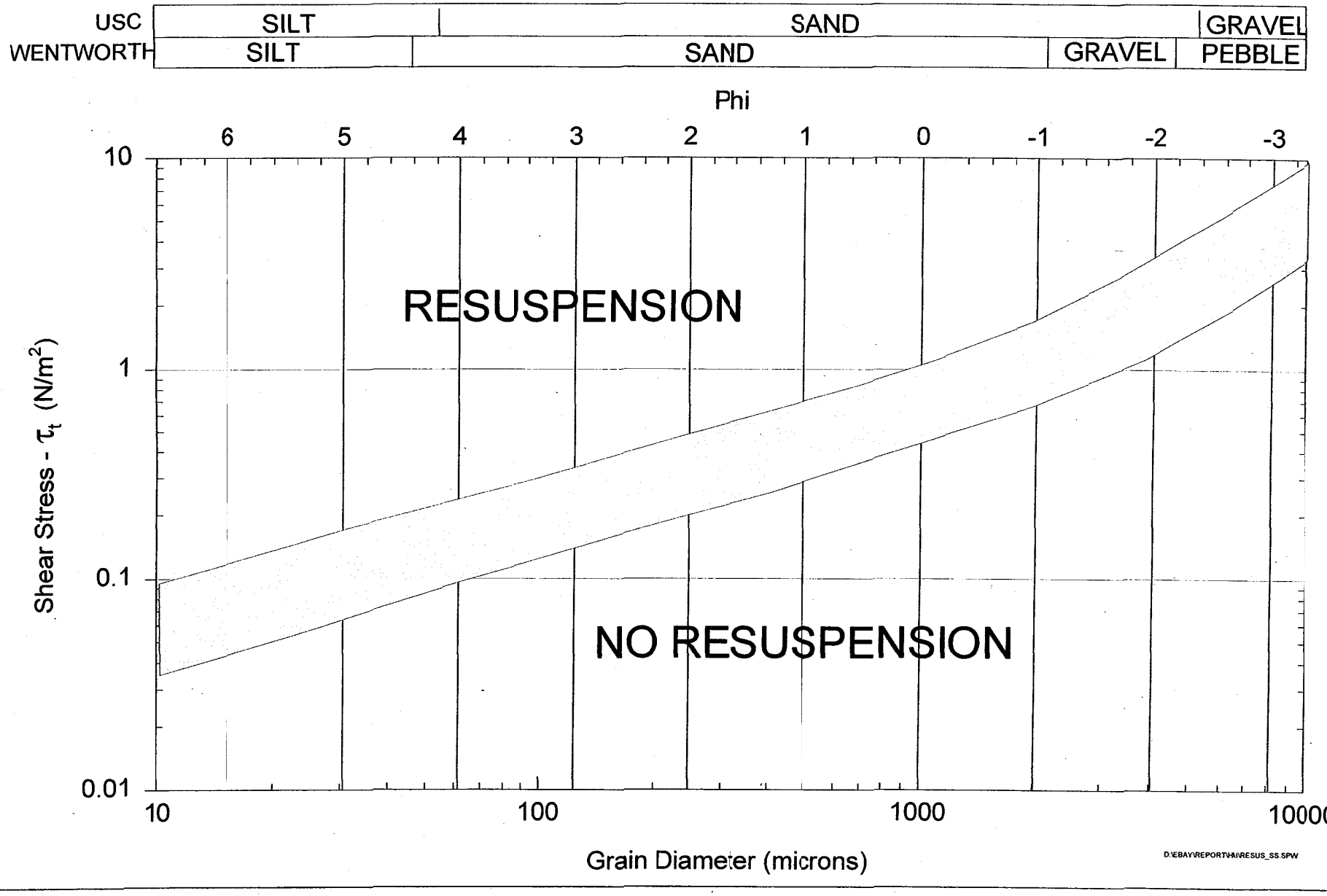


Figure 40 Shear Stress, Grain Size Resuspension Relationship

Modified from [illegible]er et al., 1977

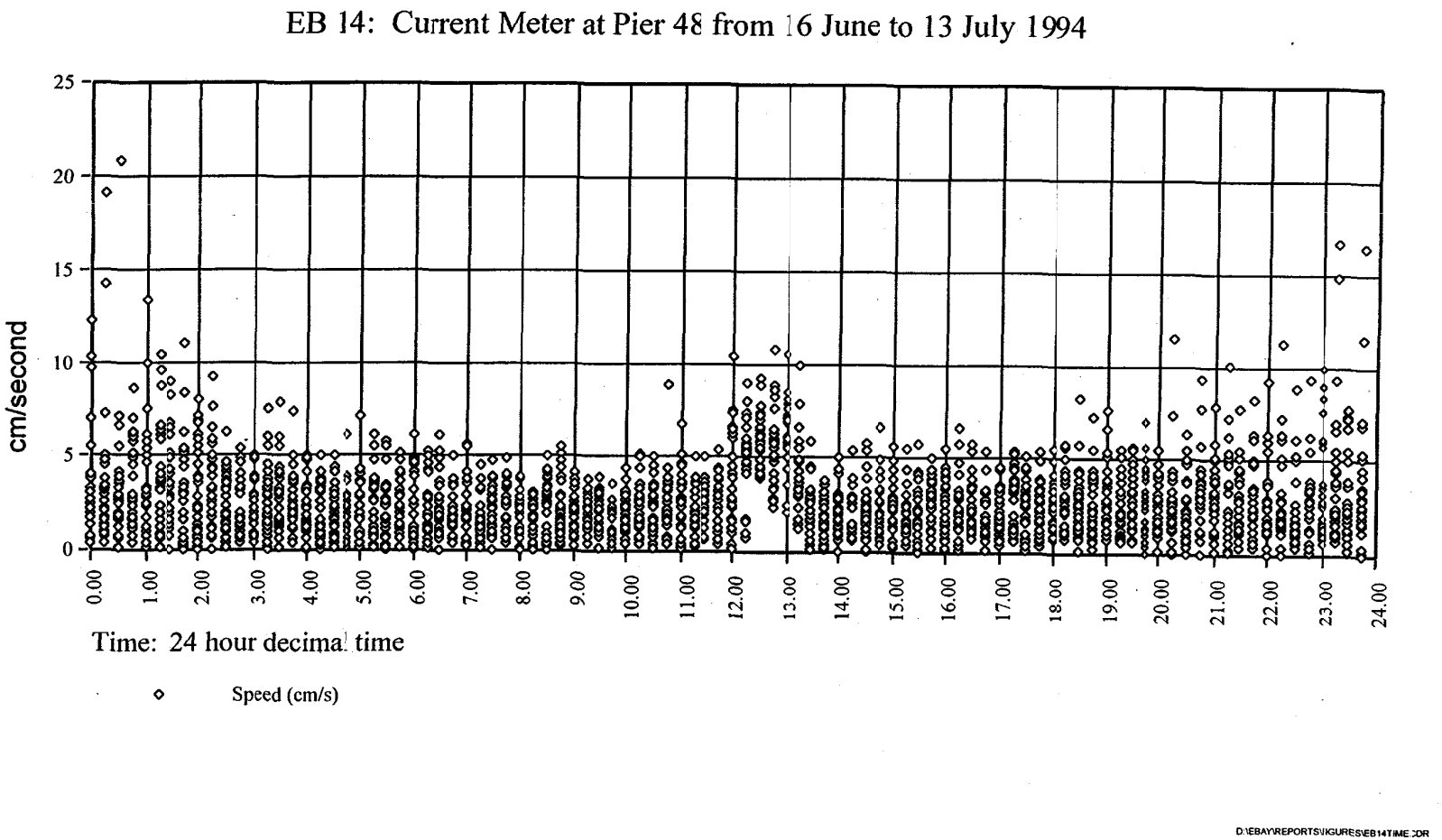
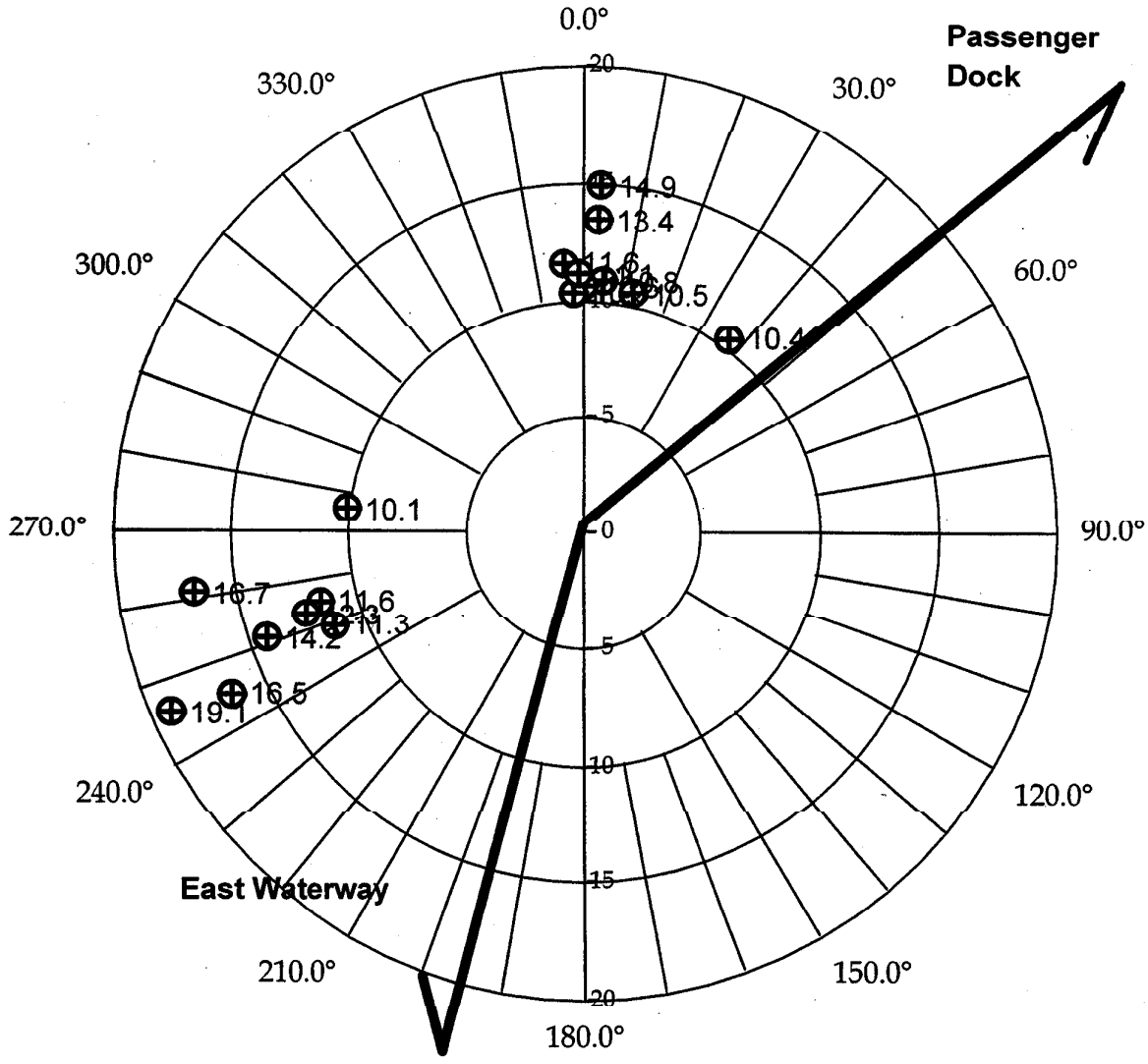


Figure 41 Current Meter Record From Station EB14

EB 14: Speed and Direction of Maximum Currents



⊕ Speeds > 10cm/sec.

Note: labels are current speeds in cm/sec.

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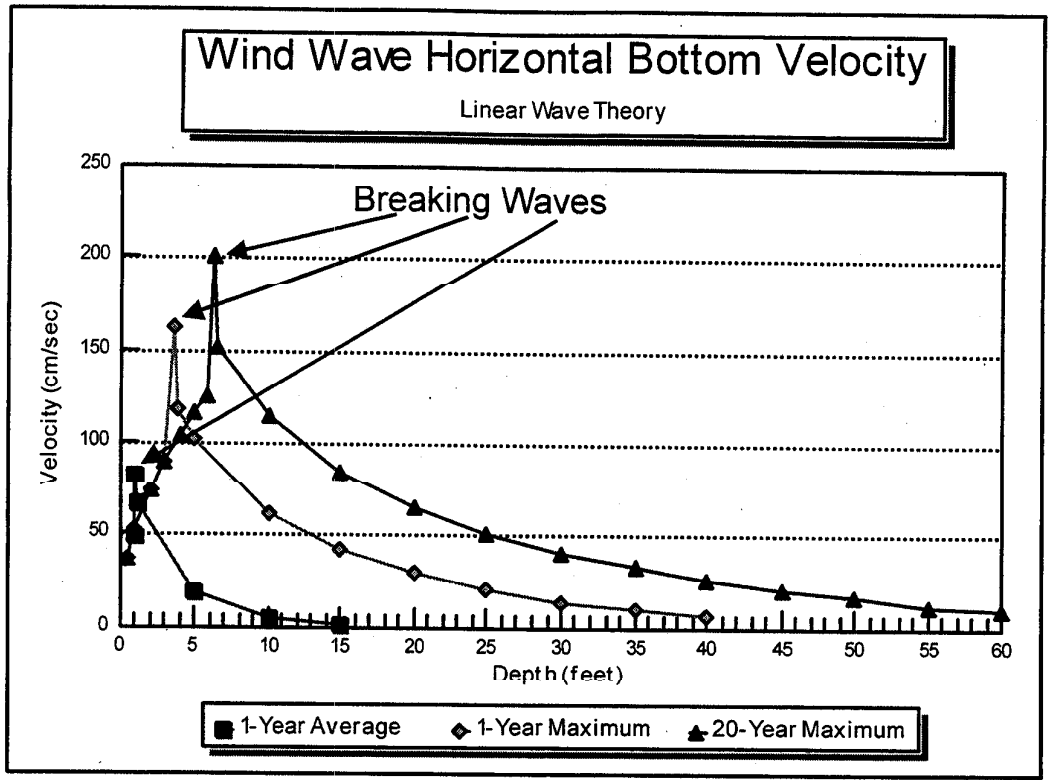
Figure 42 Maximum Velocities at Station EB14



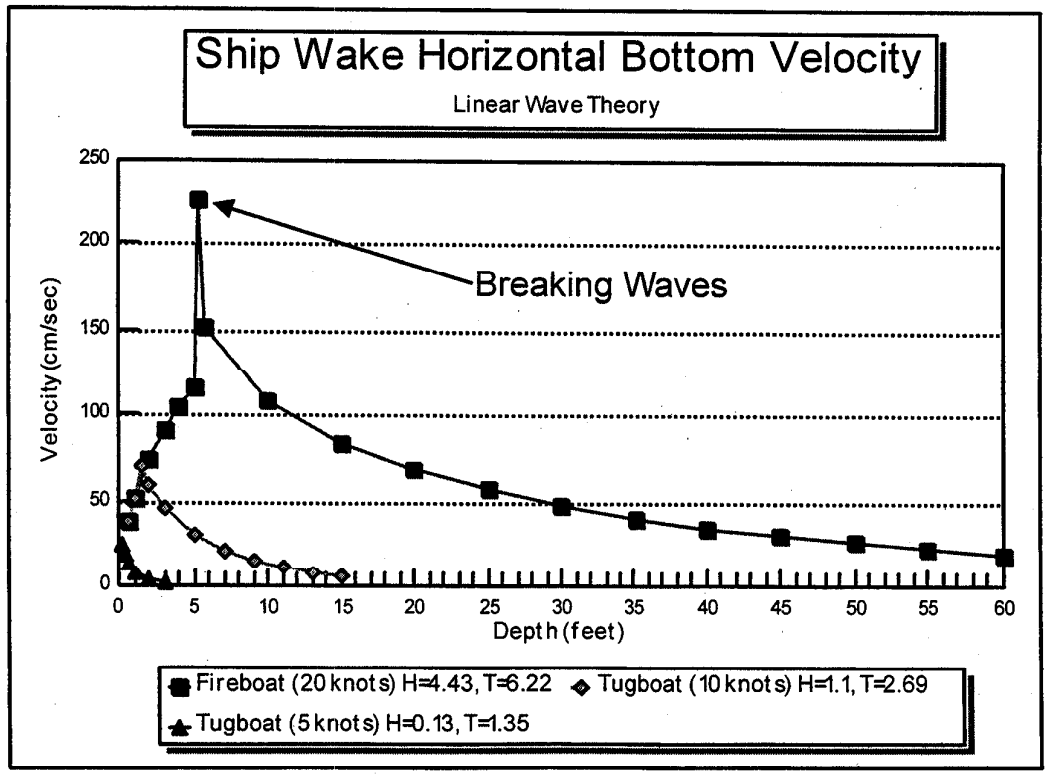


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Figure 43 Wind and Wake Bottom Velocities

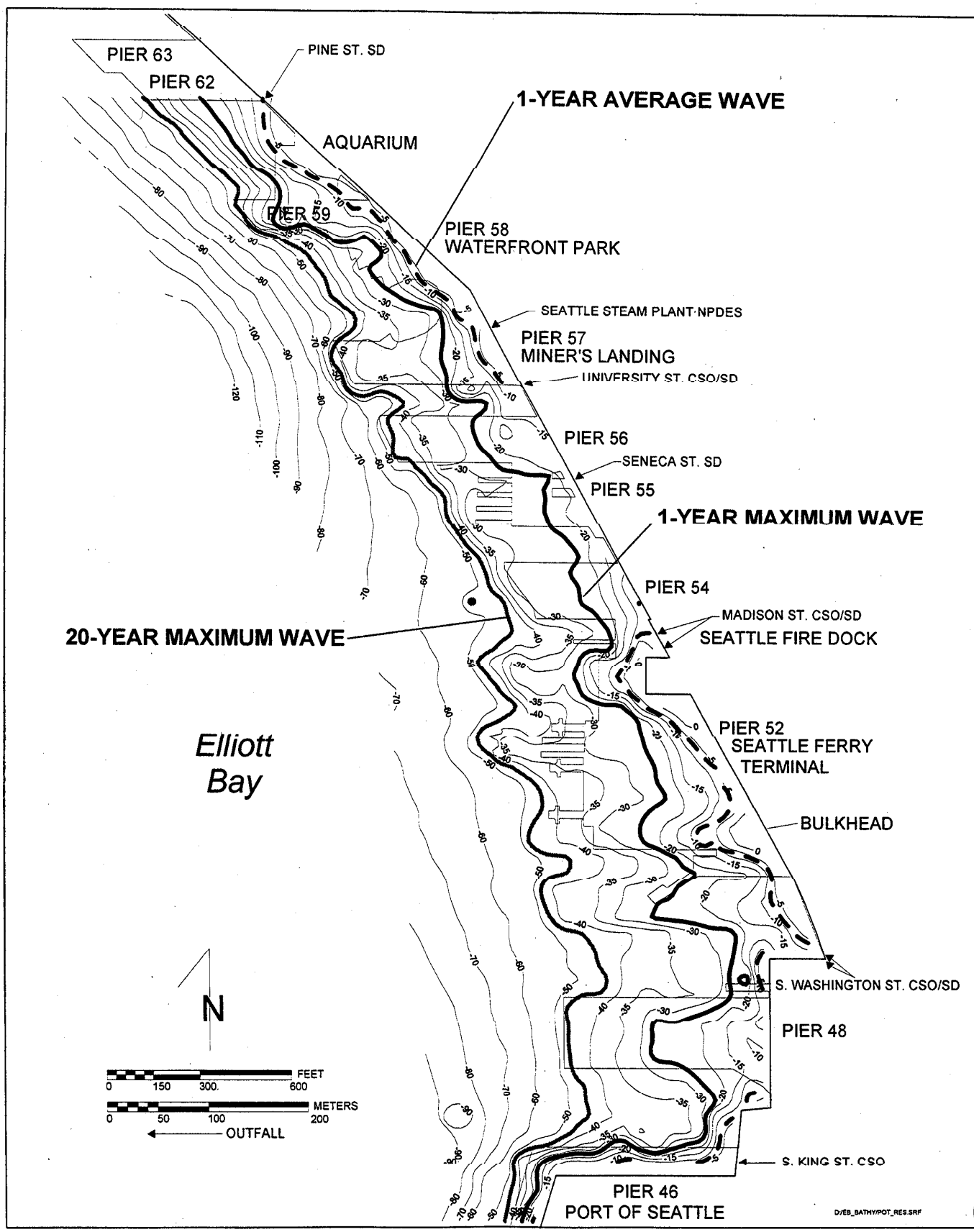

Figure 44 Potential Wave and Wake Resuspension Areas

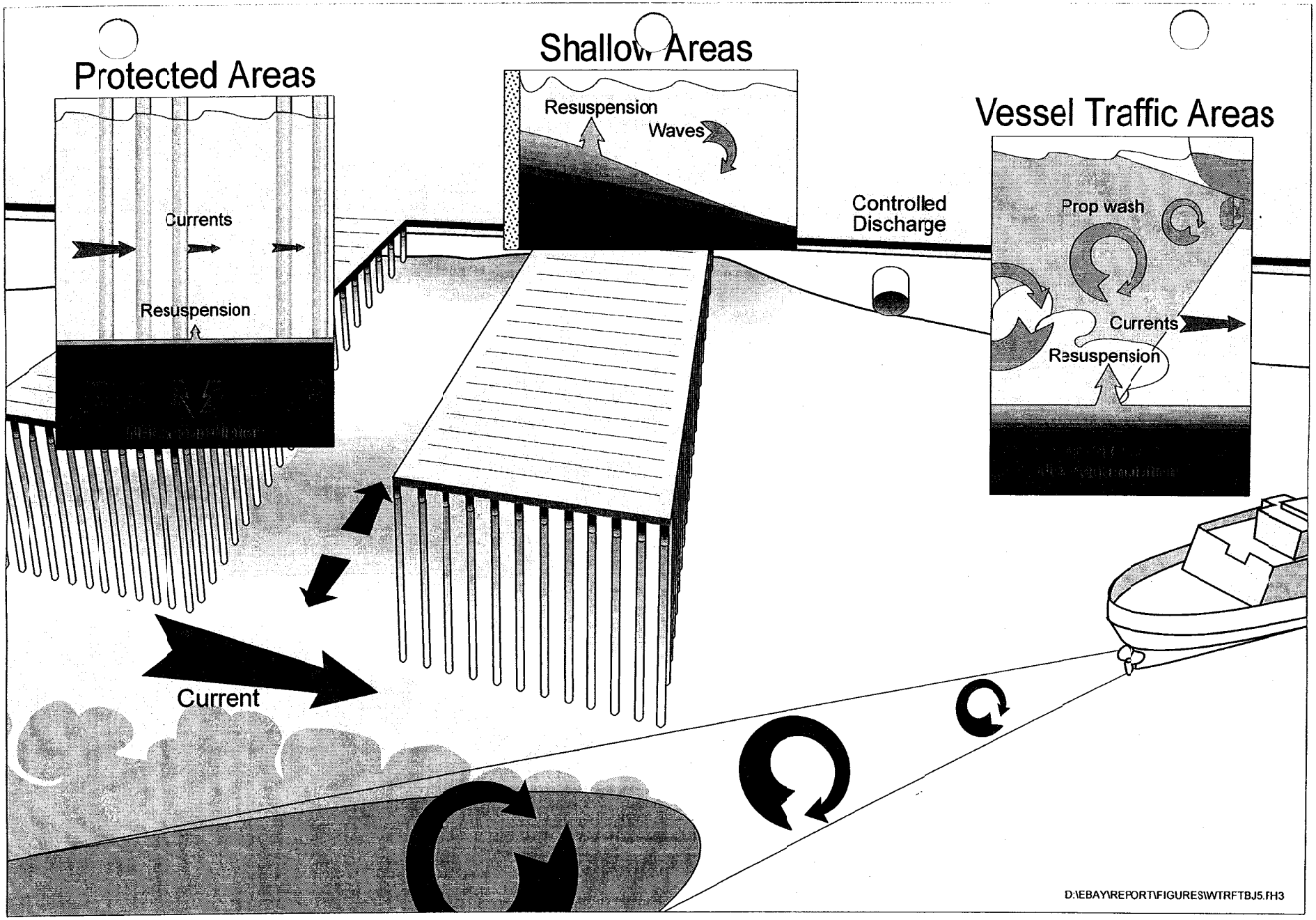

Figure 45 Seattle Waterfront Conceptual Model

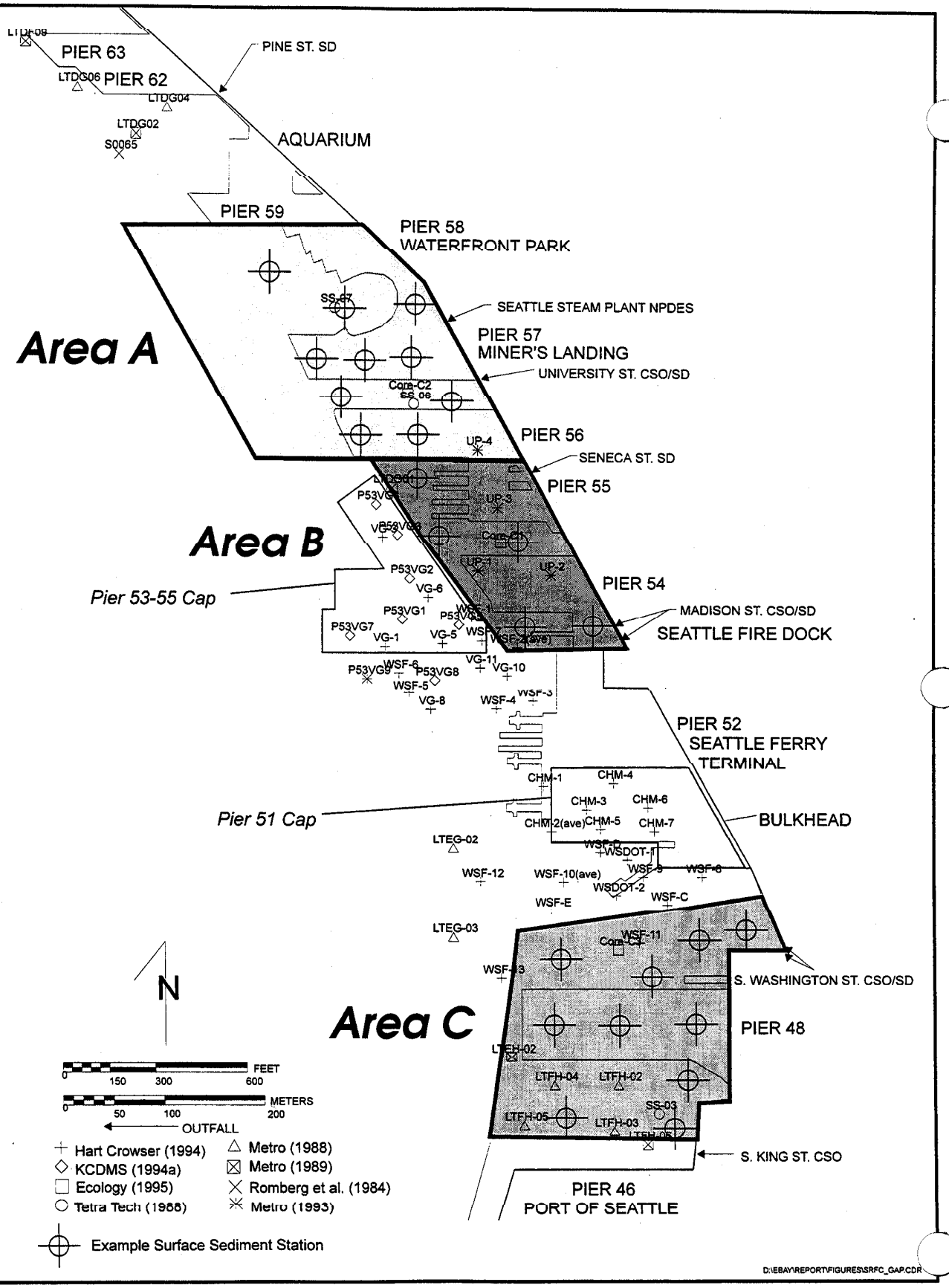

Figure 46 Surface Chemistry Data Gap Areas

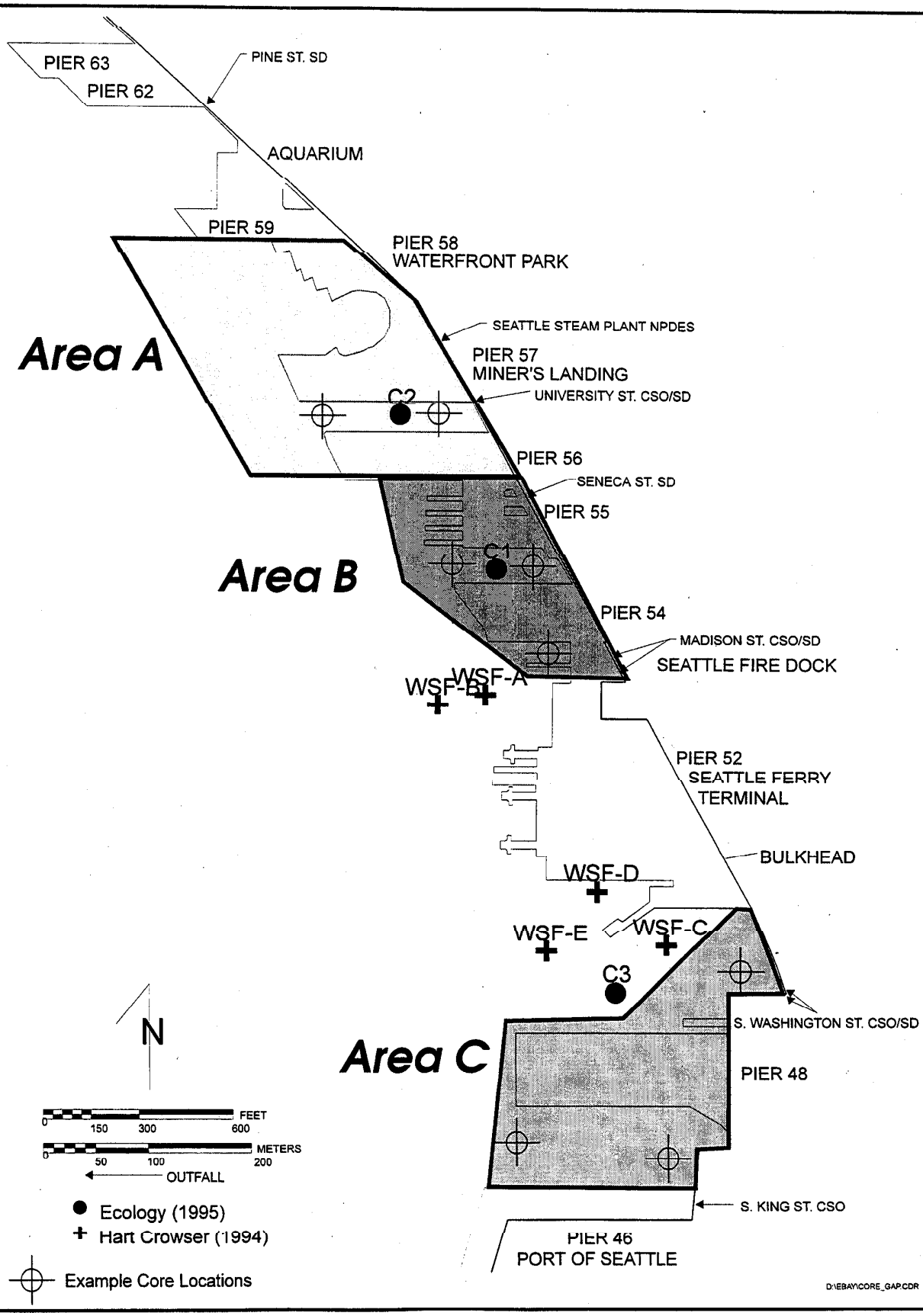

Figure 47 Example Locations for Deep Cores

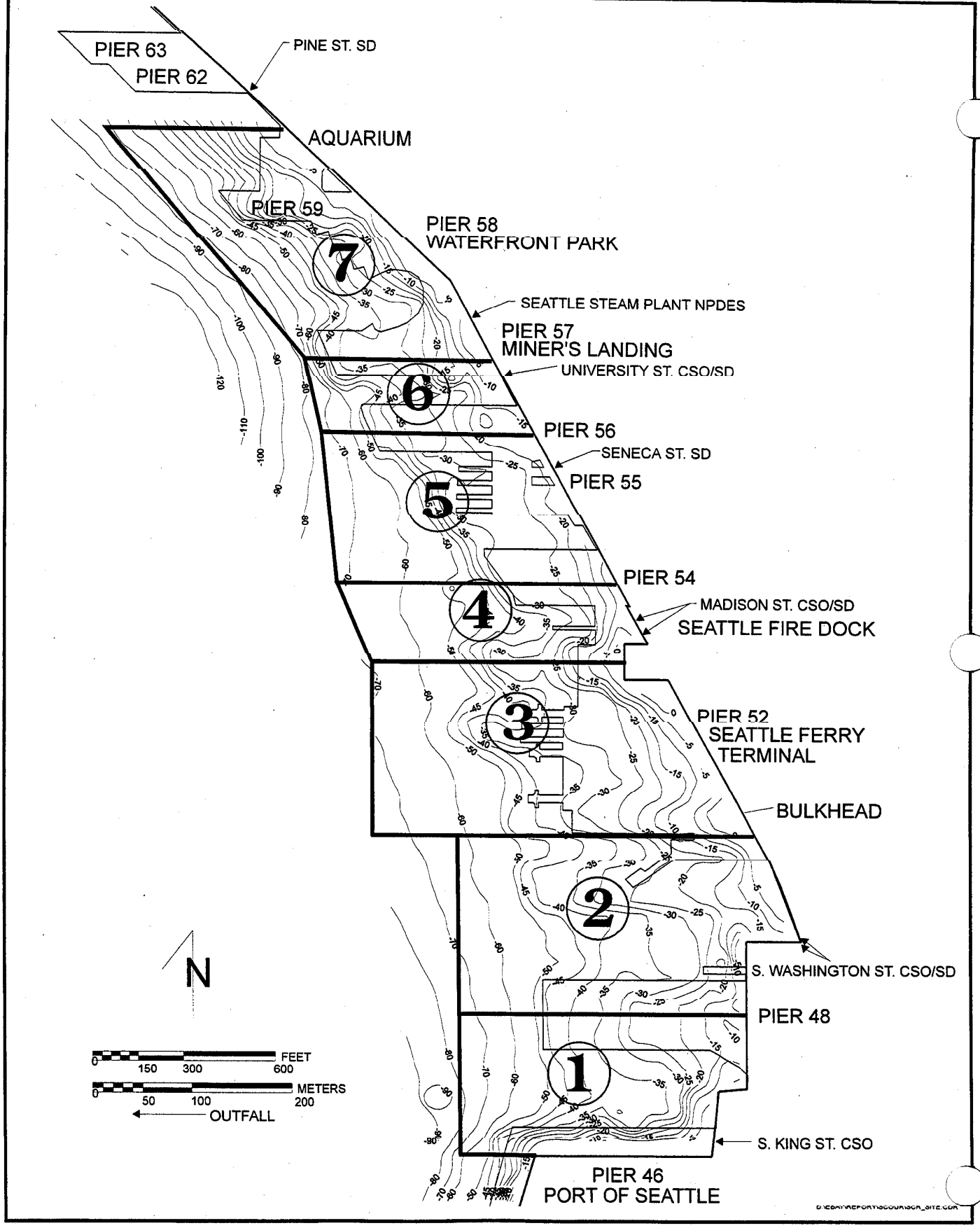

Figure 48 Vessel Operation Areas

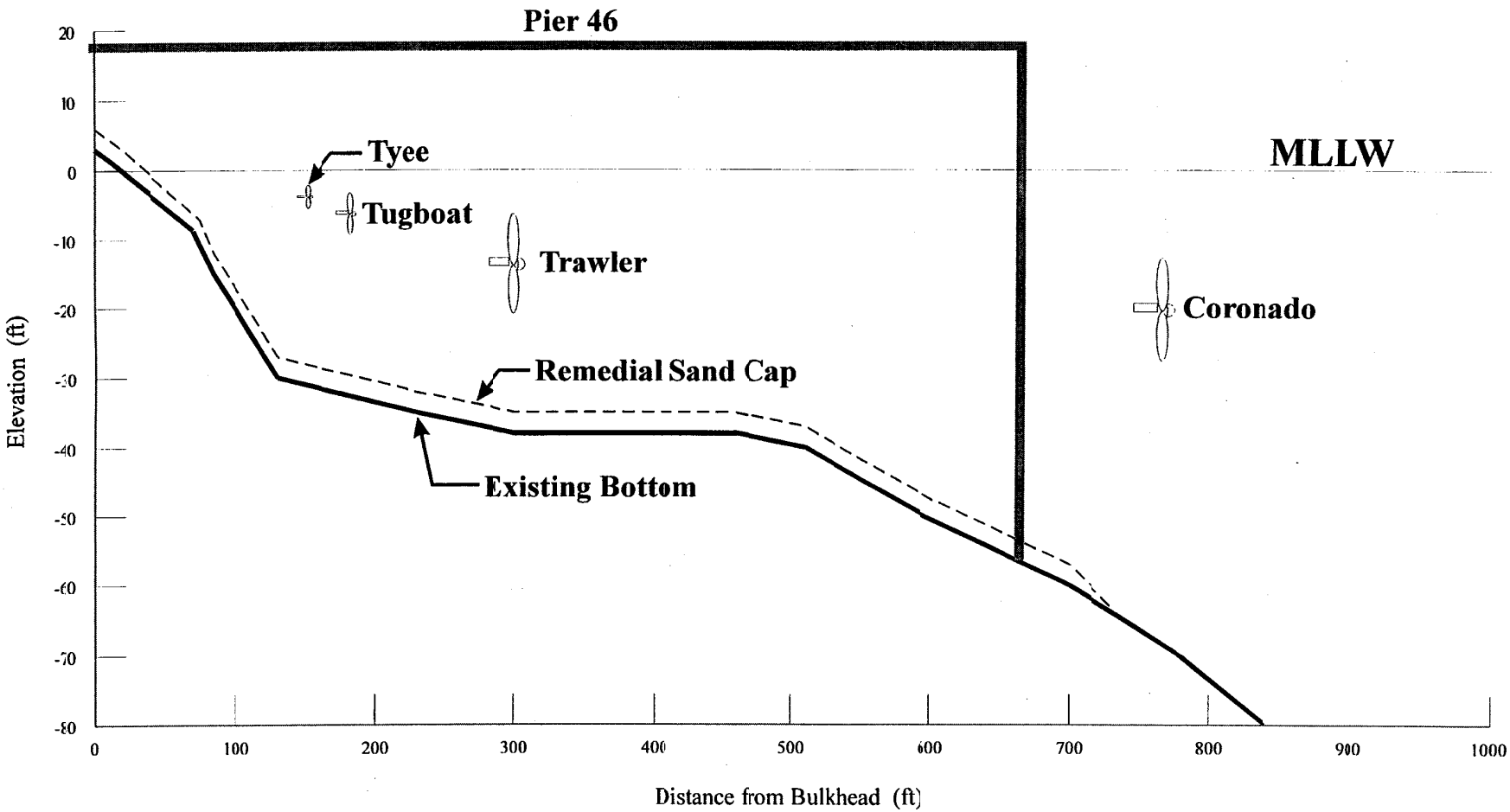

Figure 49 Operation Area 1 - Profile

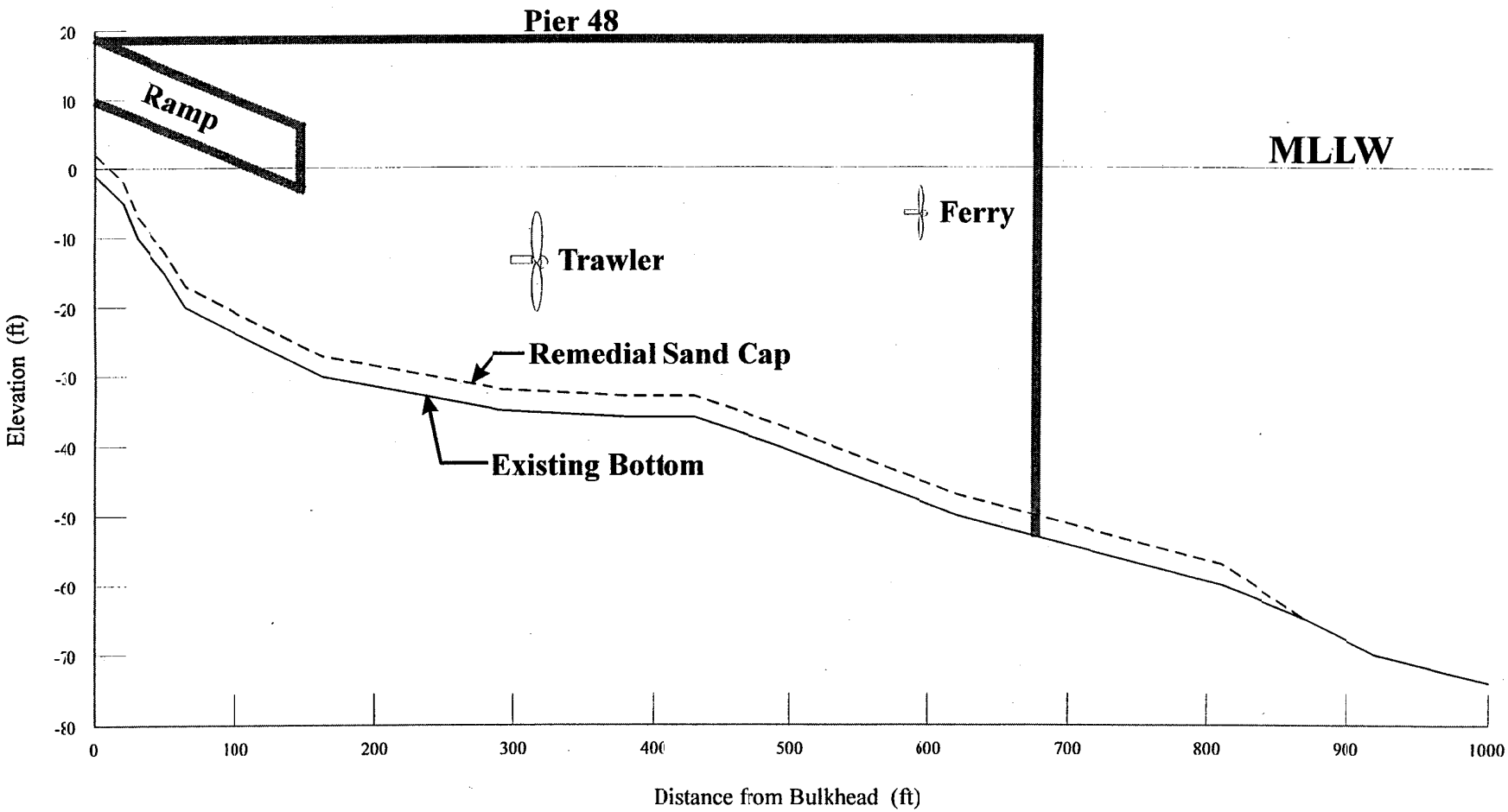

Figure 50 Operation Area 2 - Profile

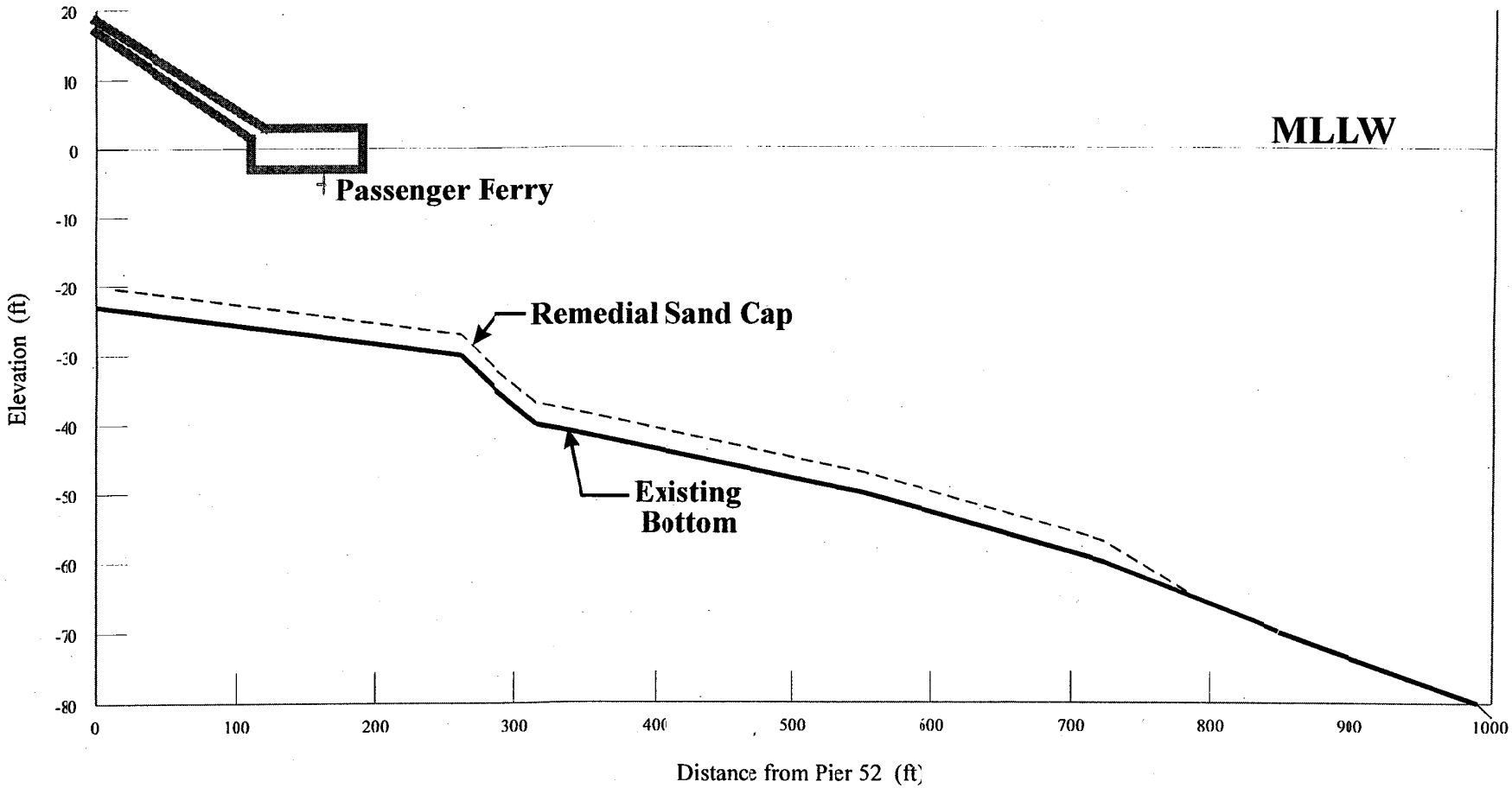

Figure 51 Operation Area 2a - Profile

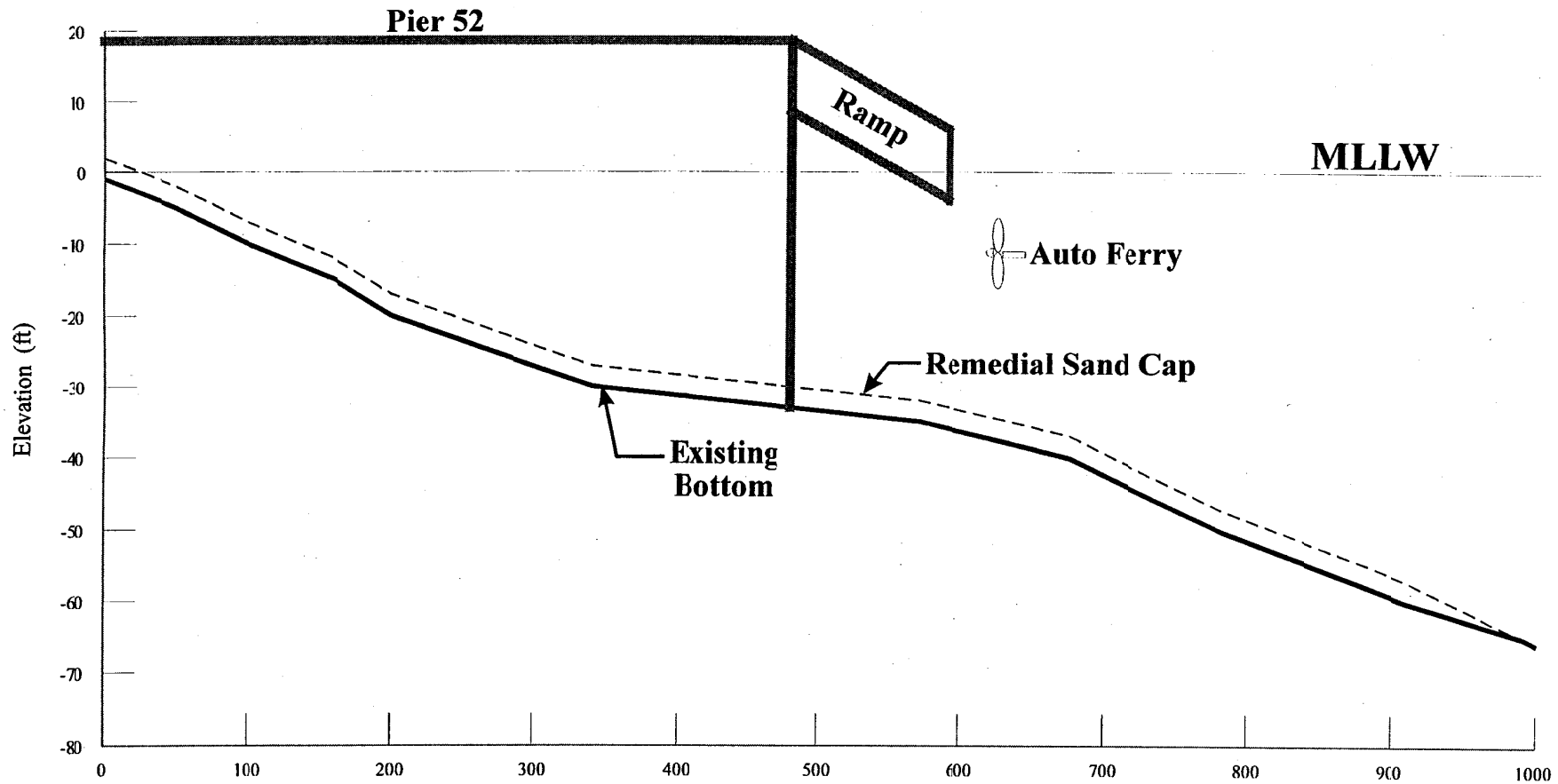

Figure 52 Op tion Area 3 - Profile

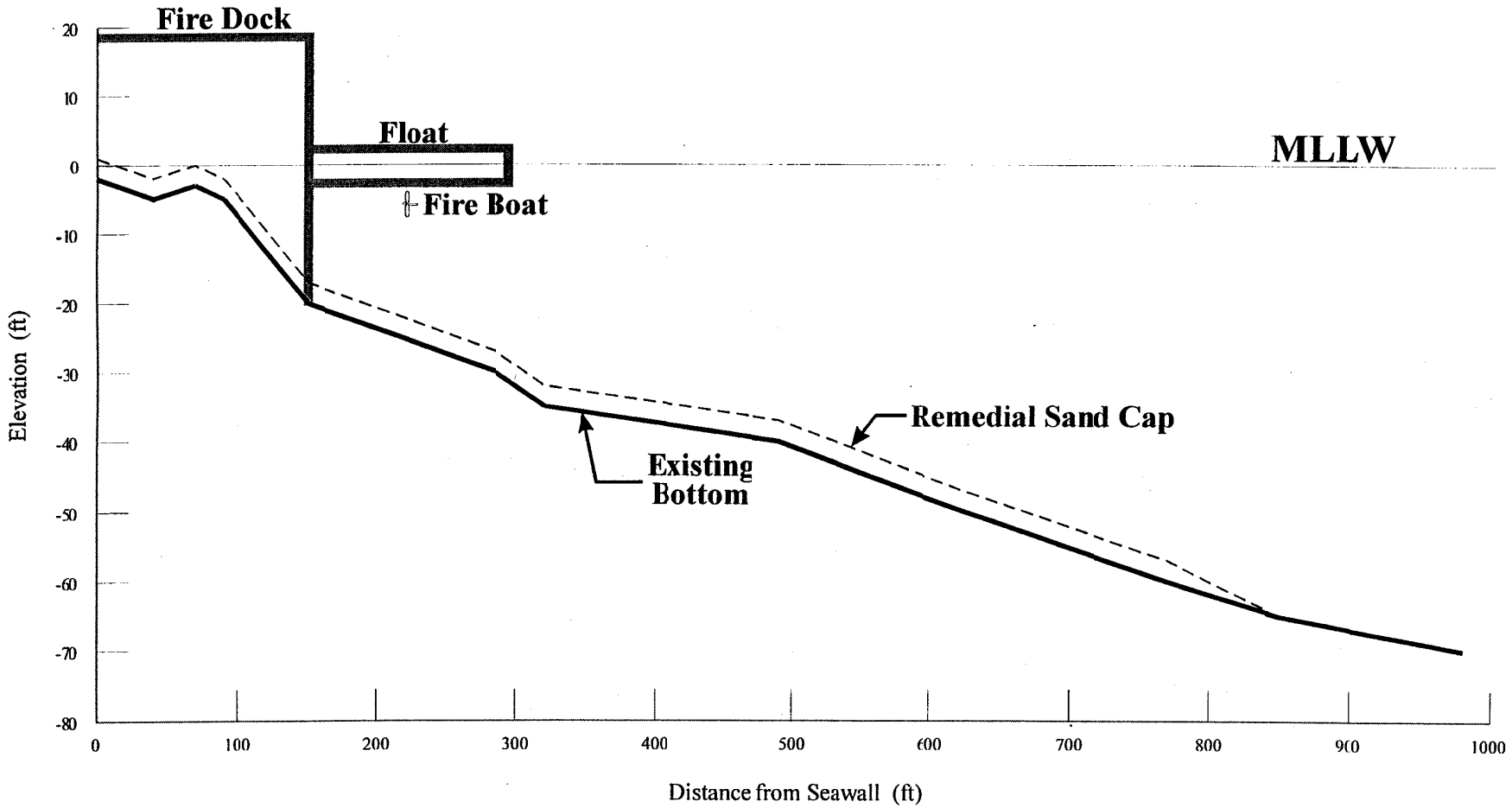

Figure 53 Operation Area 4 - Profile

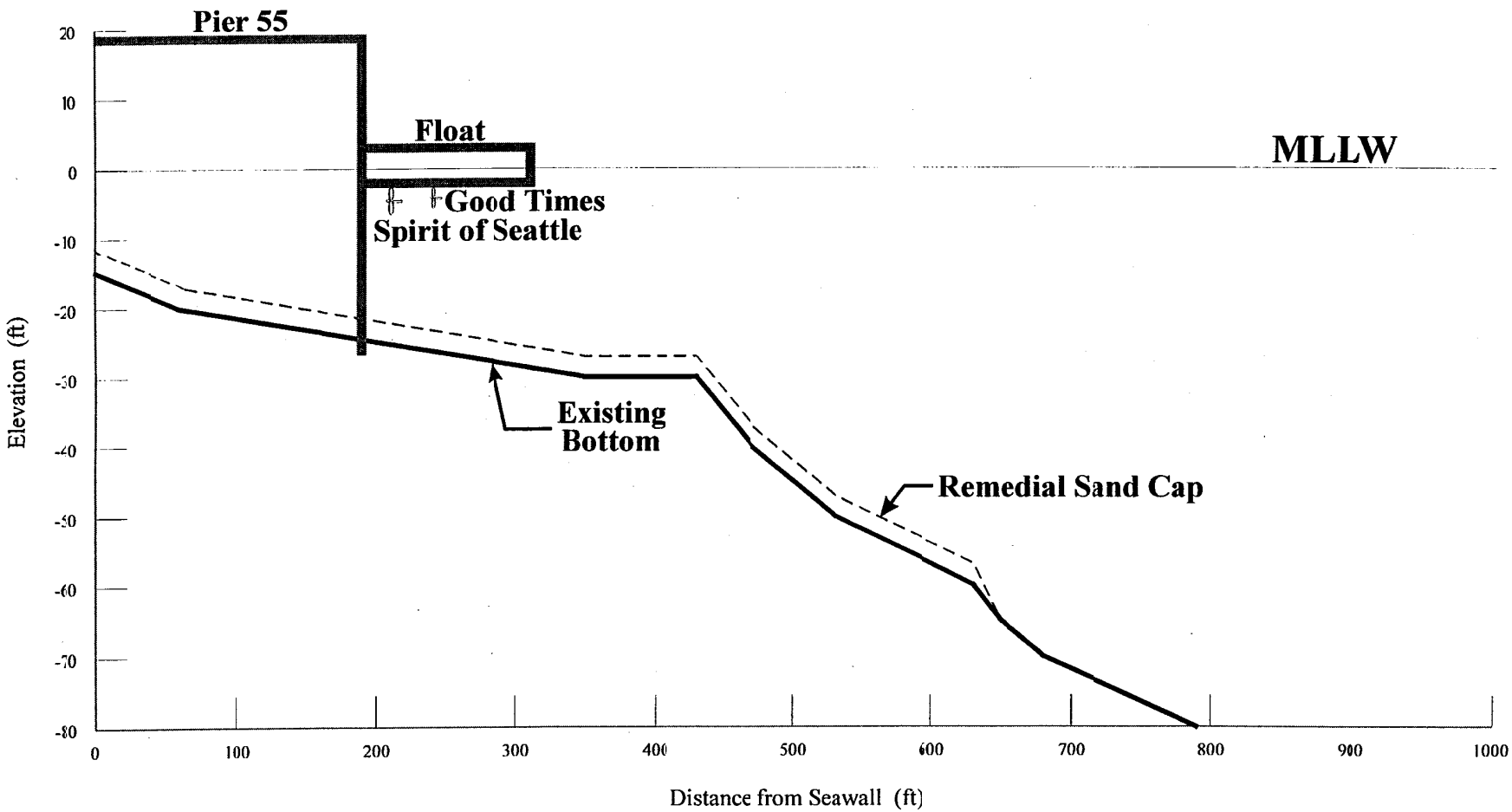

Figure 54 Op ation Area 5 - Profile

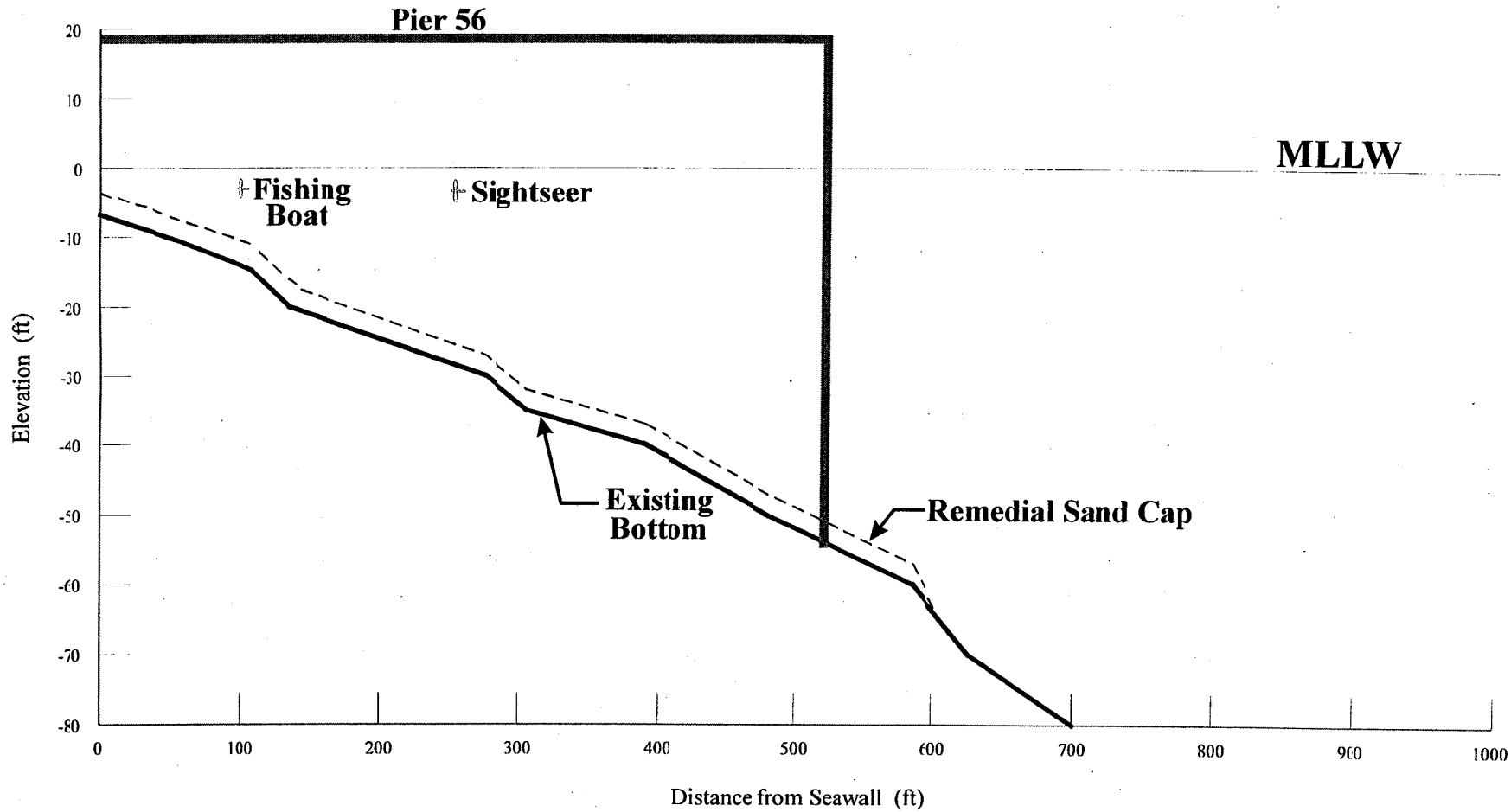

Figure 55 Operation Area 6 - Profile