

Figure 3-34: Plots Showing Fe Versus Al, Ba, and Cr for Surficial Sediments from Outermost Cook Inlet (Zone 0) and the Shelikof Strait (Zones 0, 1, 2, 3 and 4). Dashed Lines Show Metals/Fe Ratios for Average Continental Crust from Wedephol (1995). Dotted Line and Equation for Cr are from the Linear Regression for the Surficial Sediments. Symbols are (+) for 1997 and (o) for 1998.

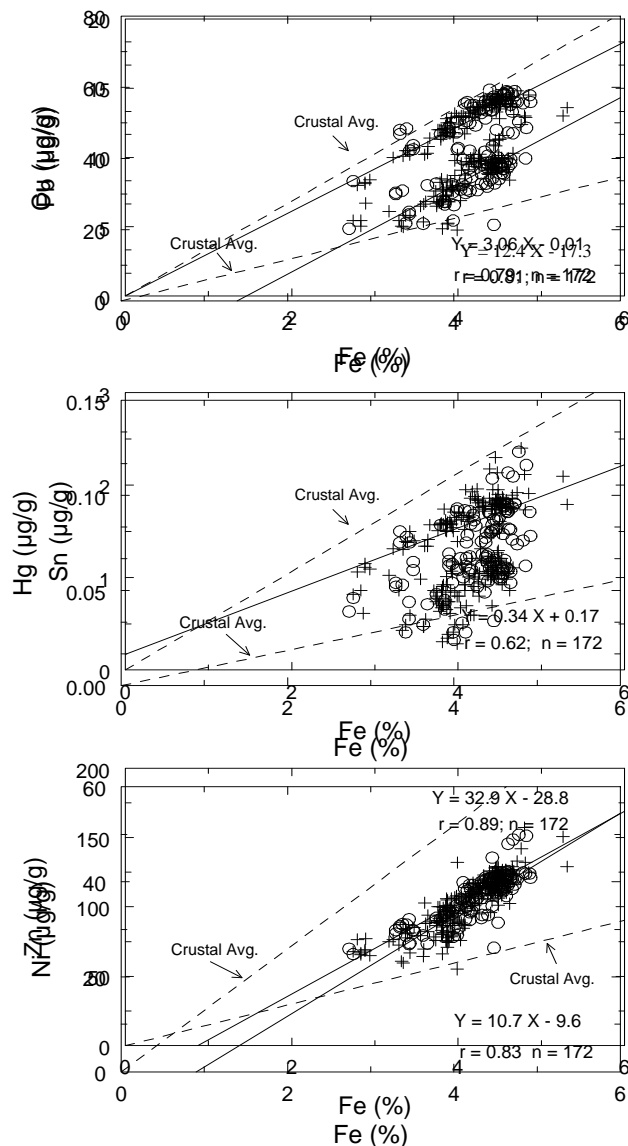
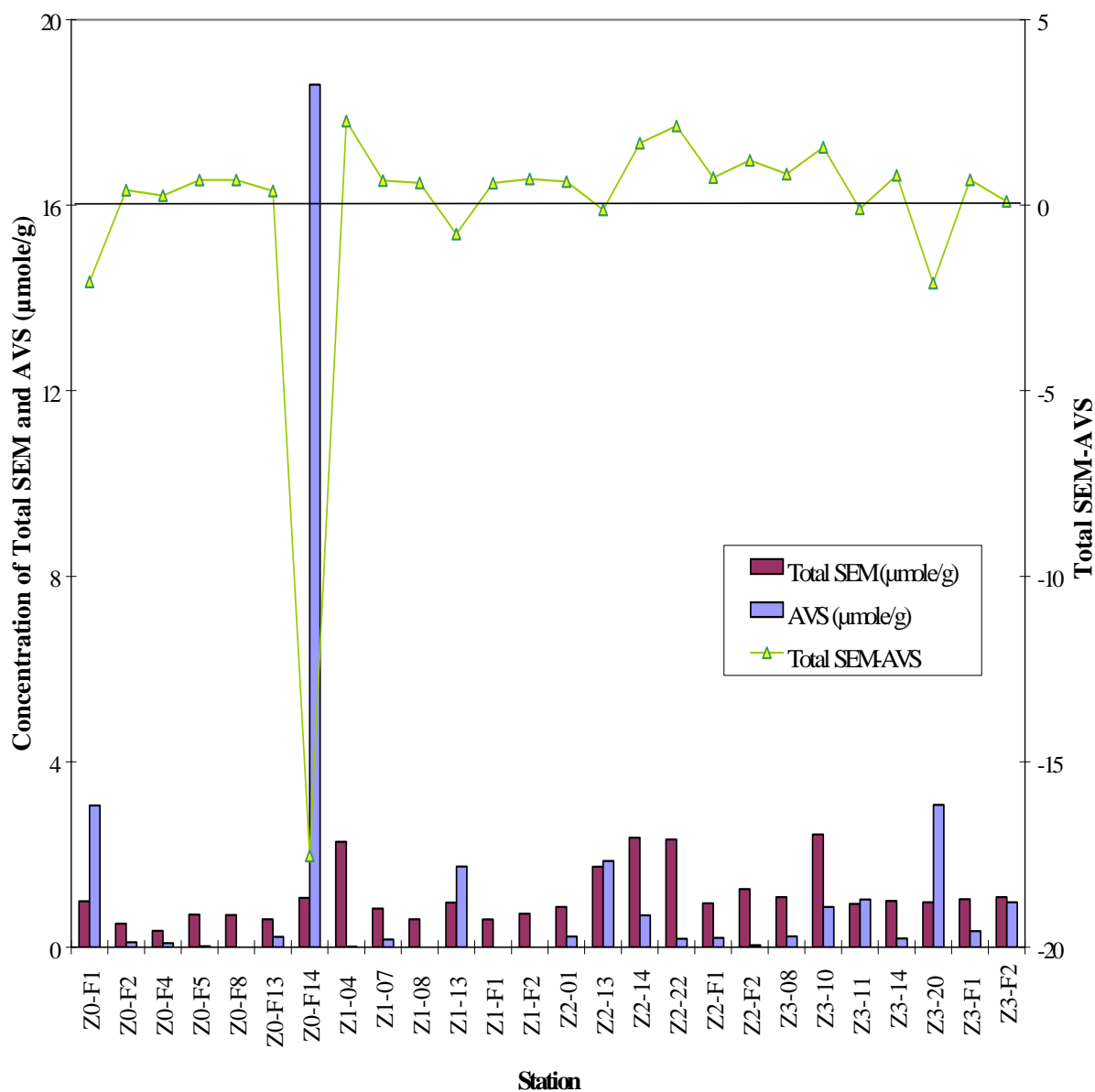


Figure 3-35: Plots Showing Fe Versus Cu, Hg, and Ni for Surficial Sediments from Outermost Cook Inlet (Zone 0) and the Shelikof Strait (Zones 0, 1, 2, 3 and 4). Dashed Lines Show Metal/Fe Ratios for Average Continental Crust from Wedepohl (1995). Dotted Lines and Equations for Cu and Ni are from the Linear Regression for the Surficial Sediments. Symbols are (+) for 1997 and (o) for 1998.

Figure 3-36: Plots Showing Fe Versus Pb, Sn, and Zn for Surficial



Sediments from Outermost Cook Inlet (Zone 0) and the Shelikof Strait (Zones 0, 1, 2, 3 and 4). Dashed Lines Show Metal/Fe Ratios for Average Continental Crust from Wedepohl (1995). Dotted Lines and Equations are from the Linear Regression for the Surficial Sediments. Symbols are (+) for 1997 and (o) for 1998.

Figure 3-37: Bar Graph Showing Concentrations of Simultaneously Extracted Metals (SEM) and Acid Volatile Sulfide (AVS) for each Station. Line Graph Shows

(SEM-AVS) Levels for each Station.

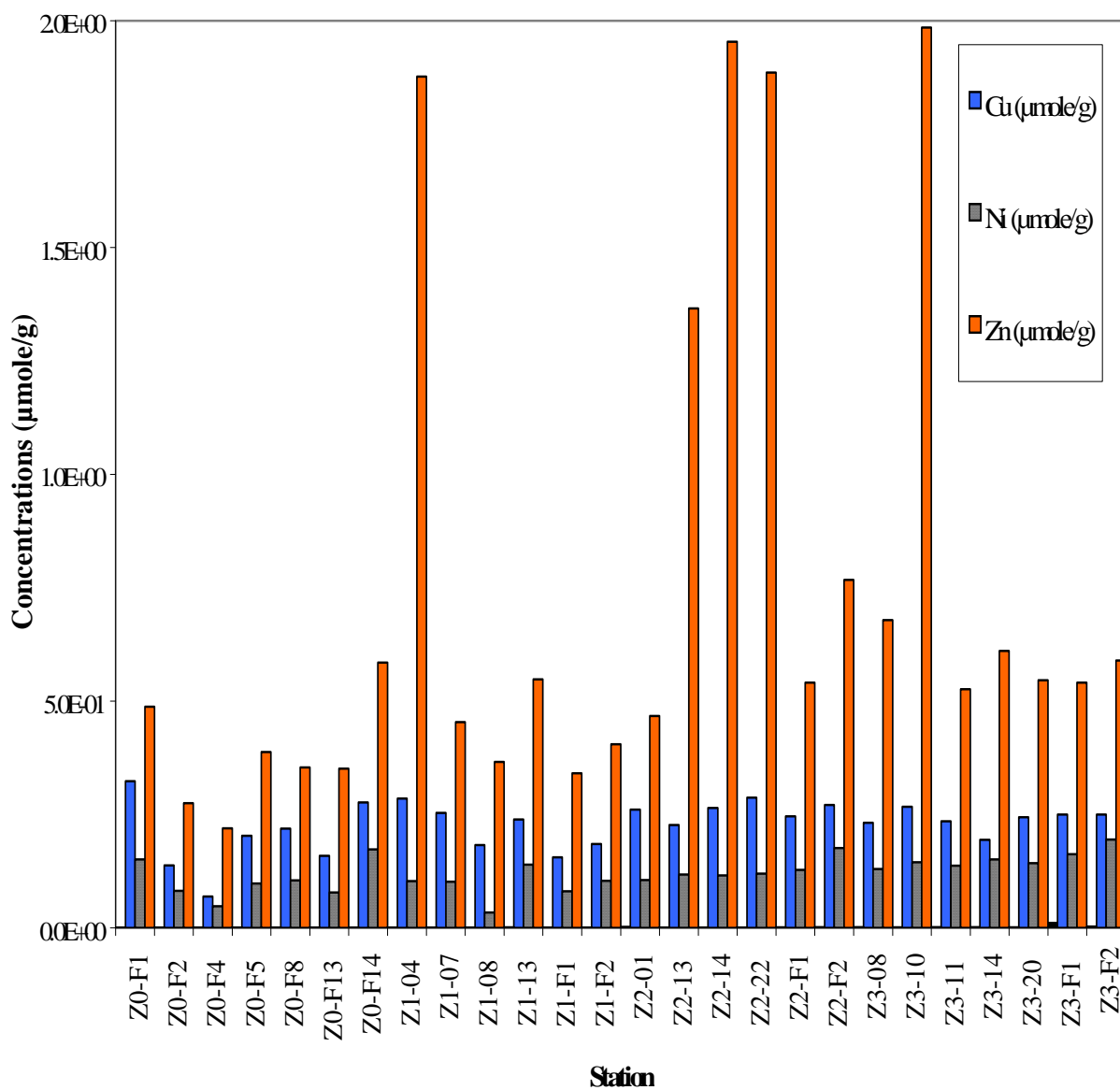


Figure 3-38: Bar Graph Showing Concentrations of Simultaneously Extracted Metals for Cu, Ni, and Zn.

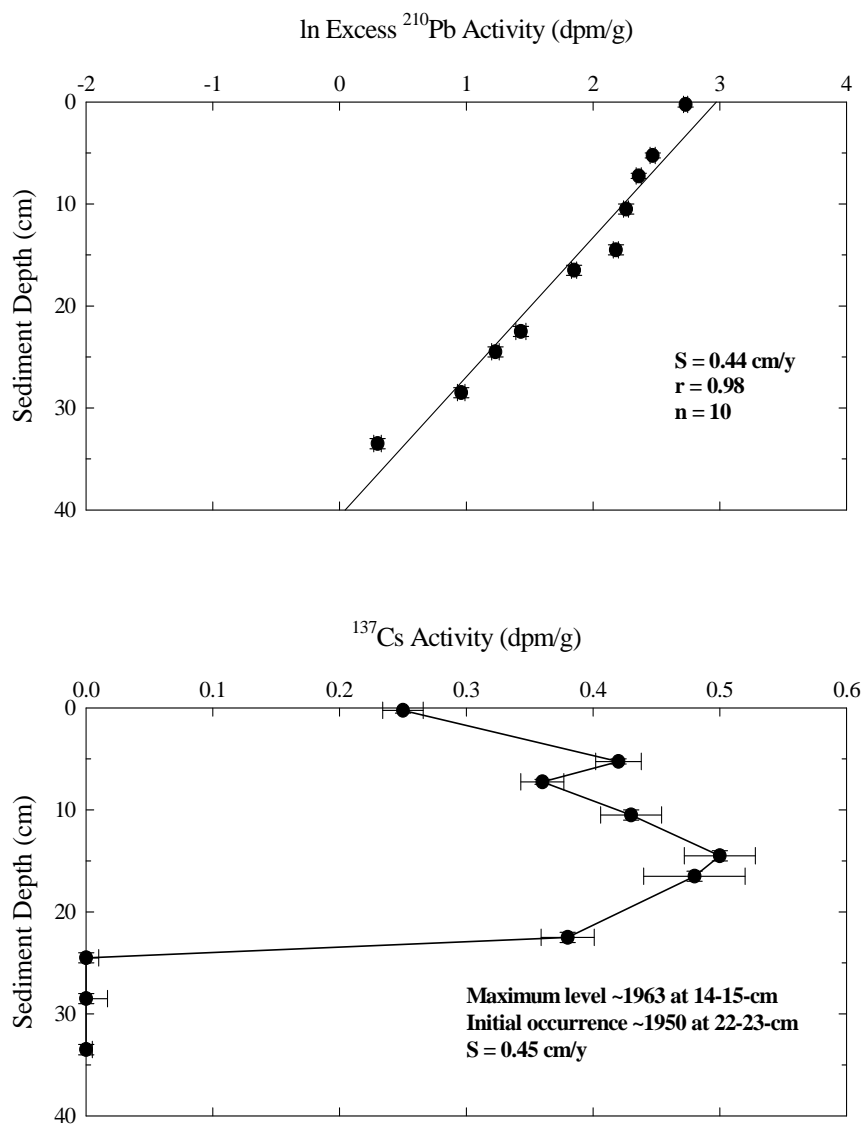


Figure 3-39: Vertical Profiles Showing Activities of Excess ^{210}Pb and ^{137}Cs for Sediment Core 97-Z3F2 versus Sediment Depth. Calculated Sedimentation Rates (S) are Shown for each Isotope Technique.

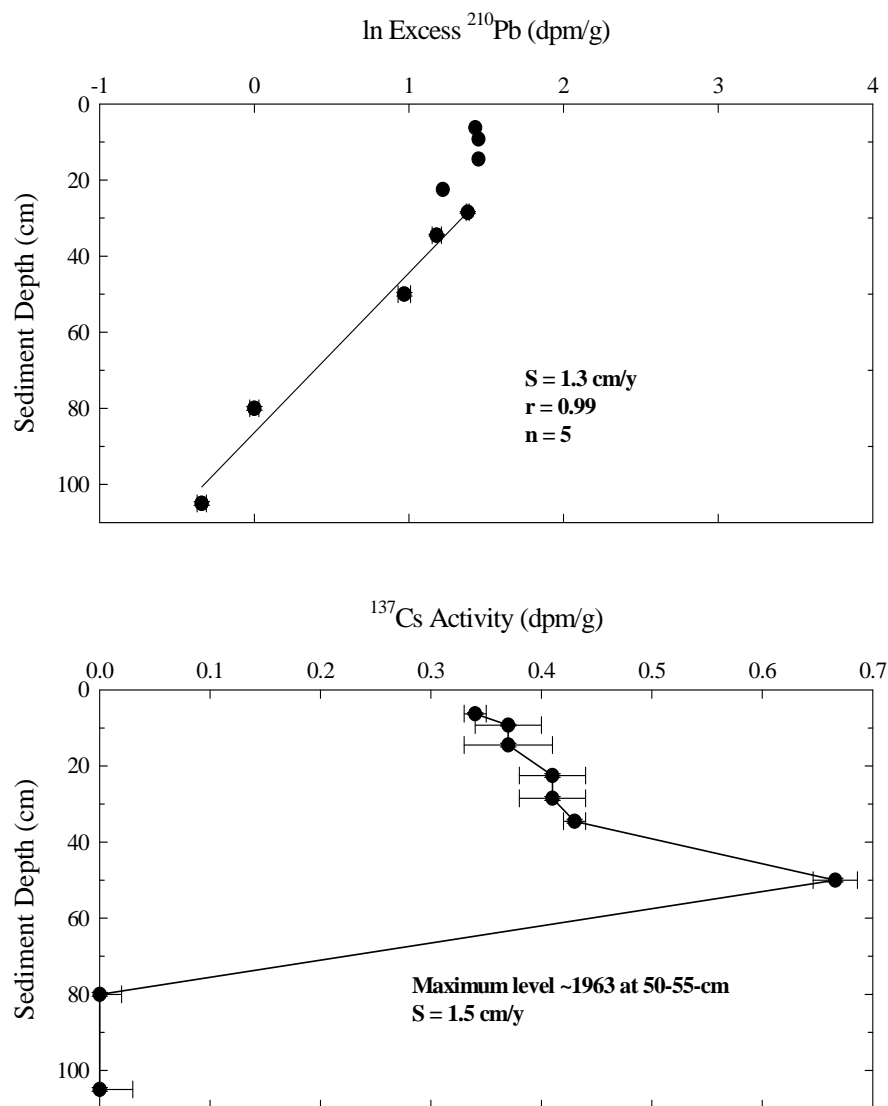


Figure 3-40: Vertical Profiles Showing Activities of Excess ^{210}Pb and ^{137}Cs for Sediment Core 98-Z0F1 versus Sediment Depth. Calculated Sedimentation Rates (S) are Shown for each Isotope Technique.

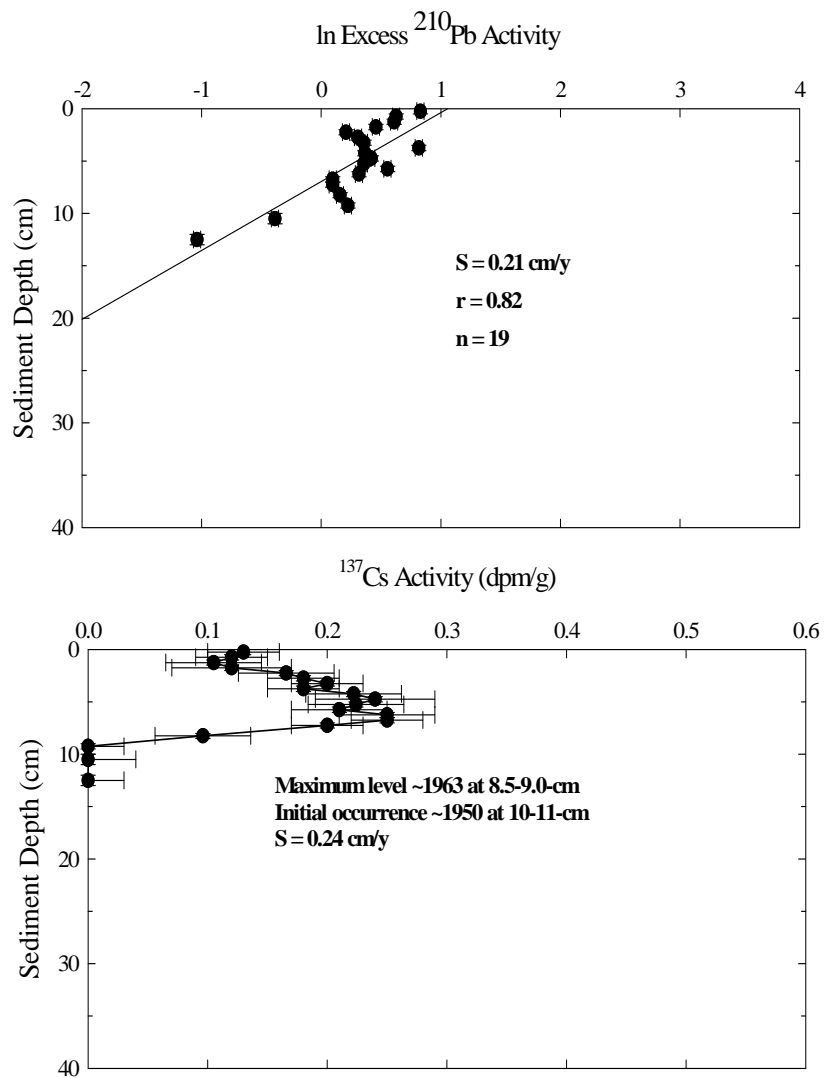


Figure 3-41: Vertical Profiles Showing Activities of Excess ^{210}Pb and ^{137}Cs for Sediment Core 97-Z0F5 versus Sediment Depth. Calculated Sedimentation Rates (S) are Shown for each Isotope Technique.

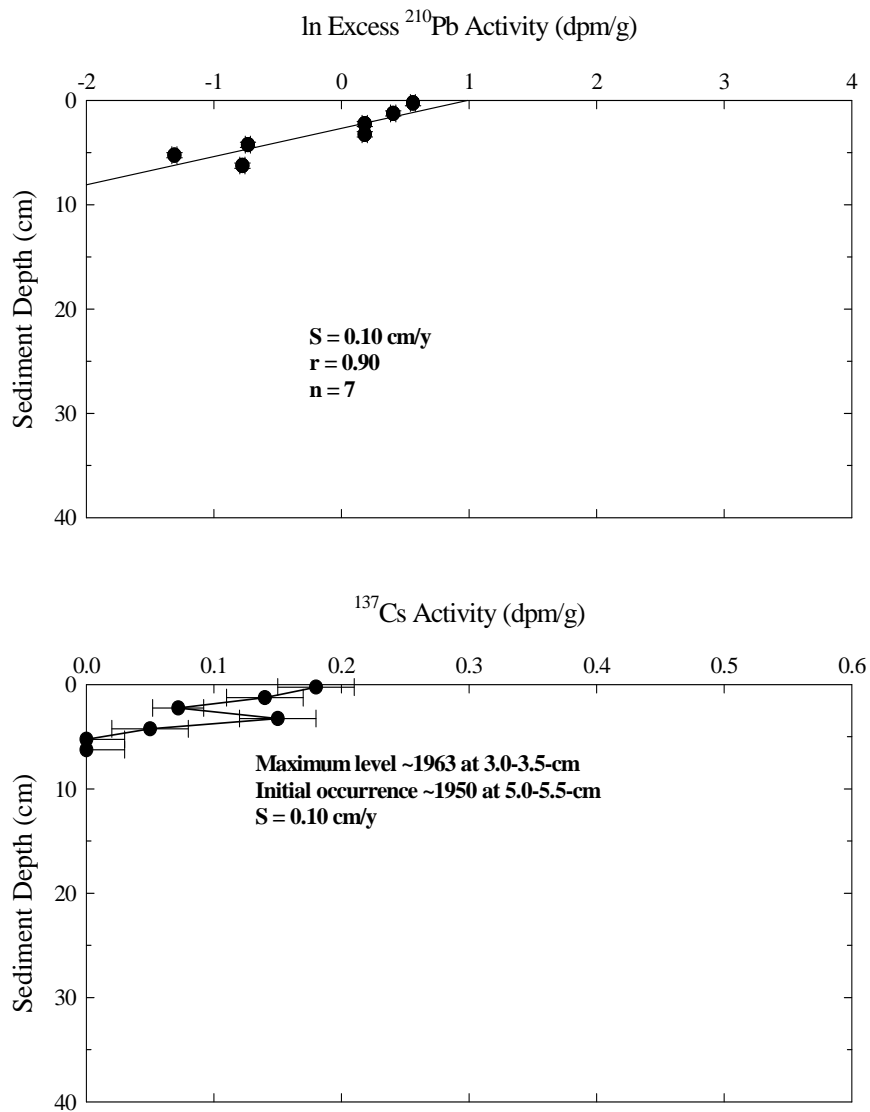


Figure 3-42: Vertical Profiles Showing Activities of Excess ^{210}Pb and ^{137}Cs for Sediment Core 97-Z0F6 versus Sediment Depth. Calculated Sedimentation Rates (S) are Shown for each Isotope Technique.

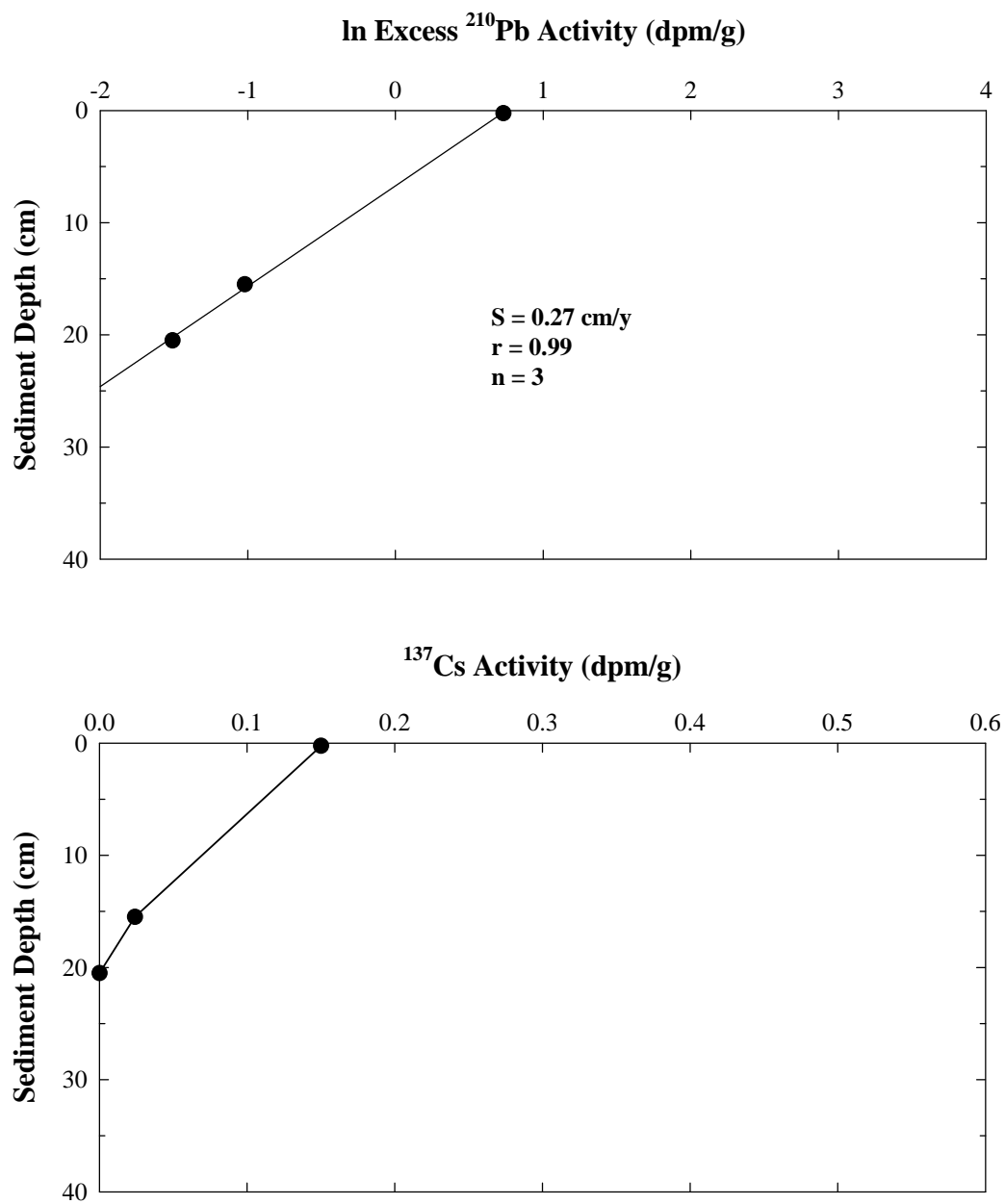


Figure 3-43: Vertical Profiles Showing Activities of Excess ^{210}Pb and ^{137}Cs for Sediment Core 97-Z0F8 versus Sediment Depth. Calculated Sedimentation Rate (S) is Shown for Excess ^{210}Pb .

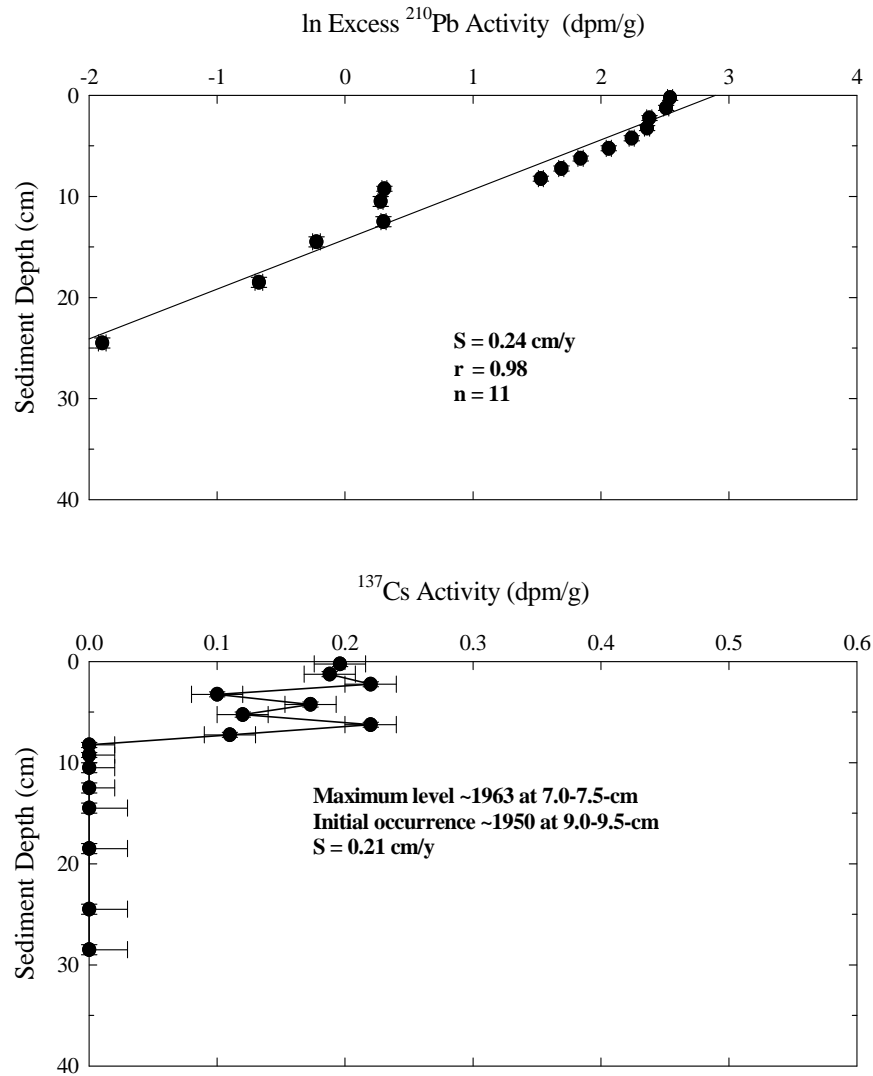


Figure 3-44: Vertical Profiles Showing Activities of Excess ^{210}Pb and ^{137}Cs for Sediment Core 97-Z1F1 versus Sediment Depth. Calculated Sedimentation Rates (S) are Shown for each Isotope Technique.

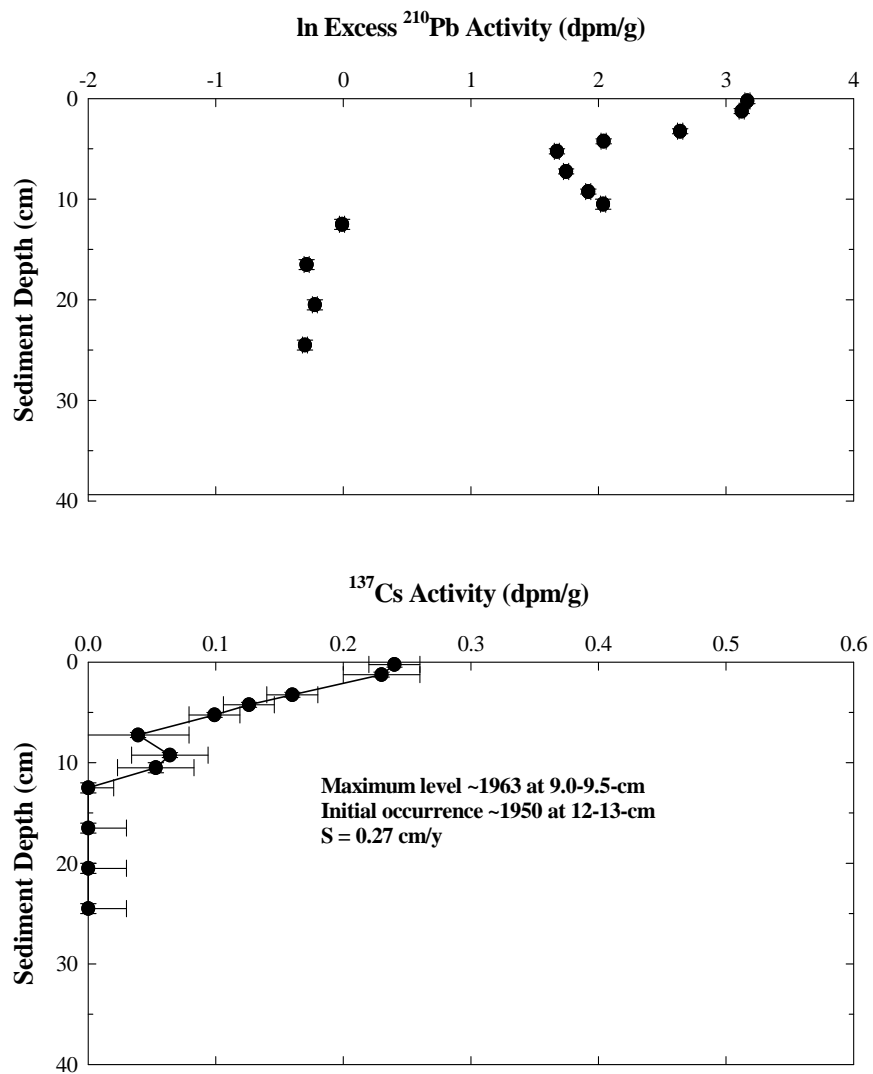


Figure 3-45: Vertical Profiles Showing Activities of Excess ^{210}Pb and ^{137}Cs for Sediment Core 97-Z1F2 versus Sediment Depth. Calculated Sedimentation Rate (S) is Shown for ^{137}Cs .

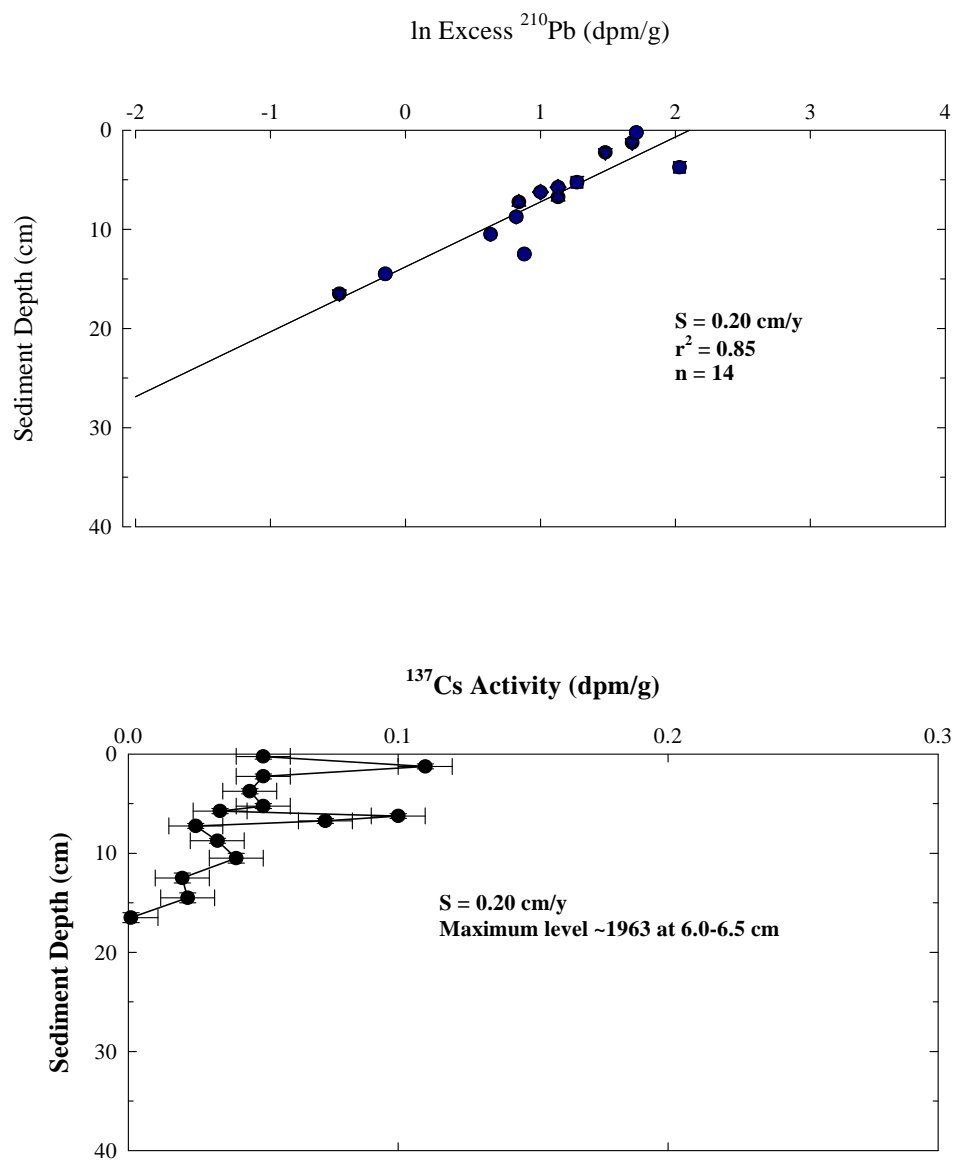


Figure 3-46: Vertical Profiles Showing Activities of Excess ^{210}Pb and ^{137}Cs for Sediment Core 98-Z1R3B versus Sediment Depth. Calculated Sedimentation Rates (S) are Shown for each Isotope Technique.

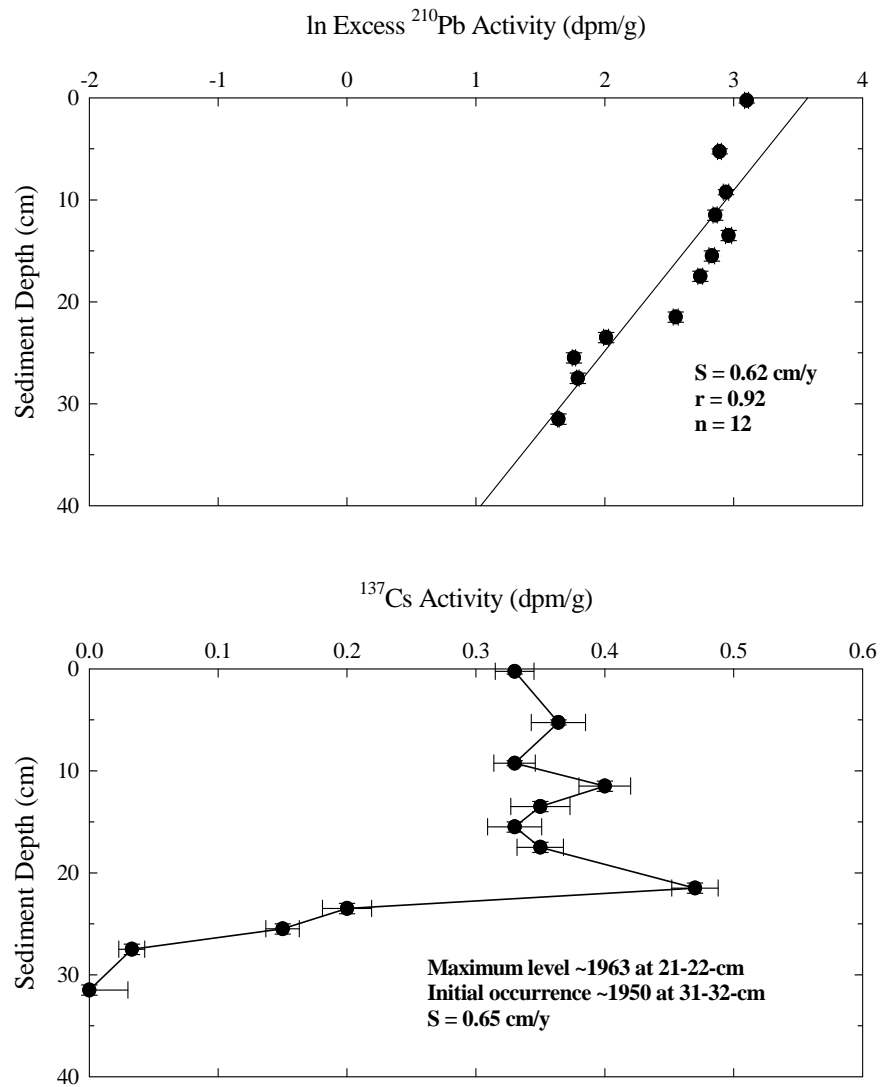


Figure 3-47: Vertical Profiles Showing Activities of Excess ^{210}Pb and ^{137}Cs for Sediment Core 98-Z2F2 versus Sediment Depth. Calculated Sedimentation Rate (S) is Shown for each Isotope Technique.

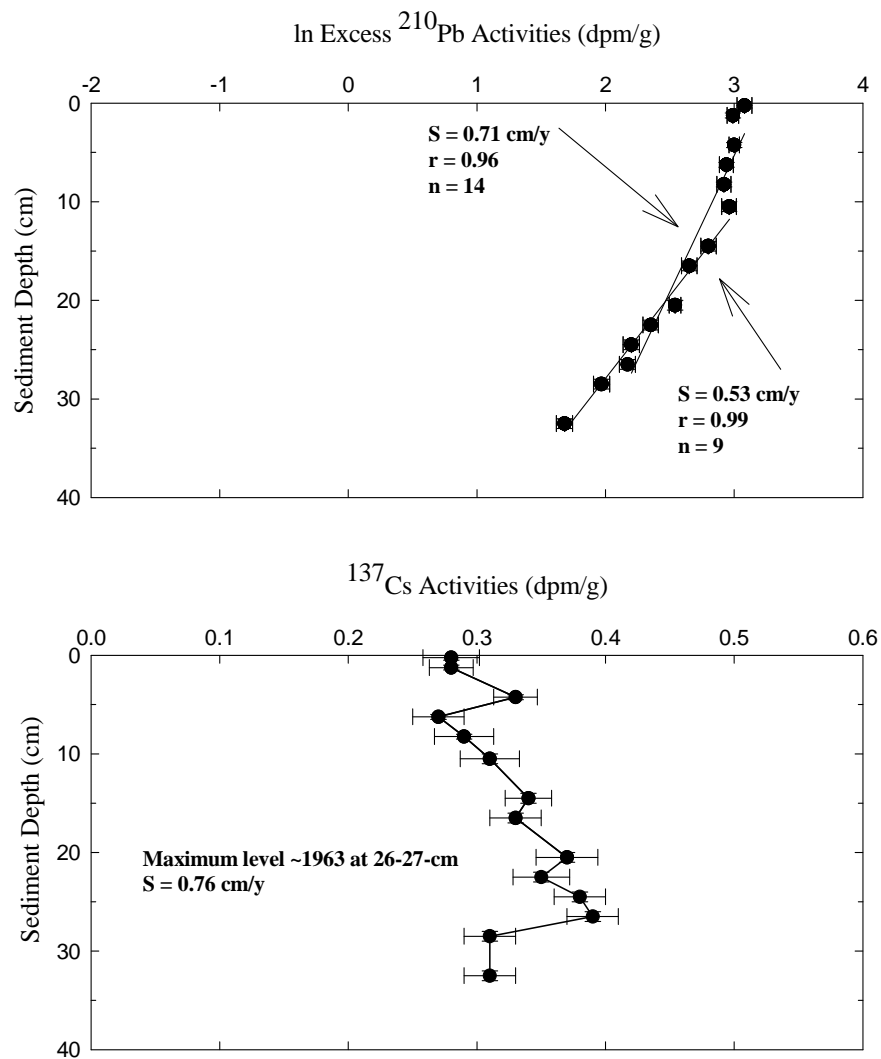


Figure 3-48: Vertical Profiles Showing Activities of Excess ^{210}Pb and ^{137}Cs for Sediment Core 97-Z2R16 versus Sediment Depth. Calculated Sedimentation Rate (S) is Shown for each Isotope Technique.

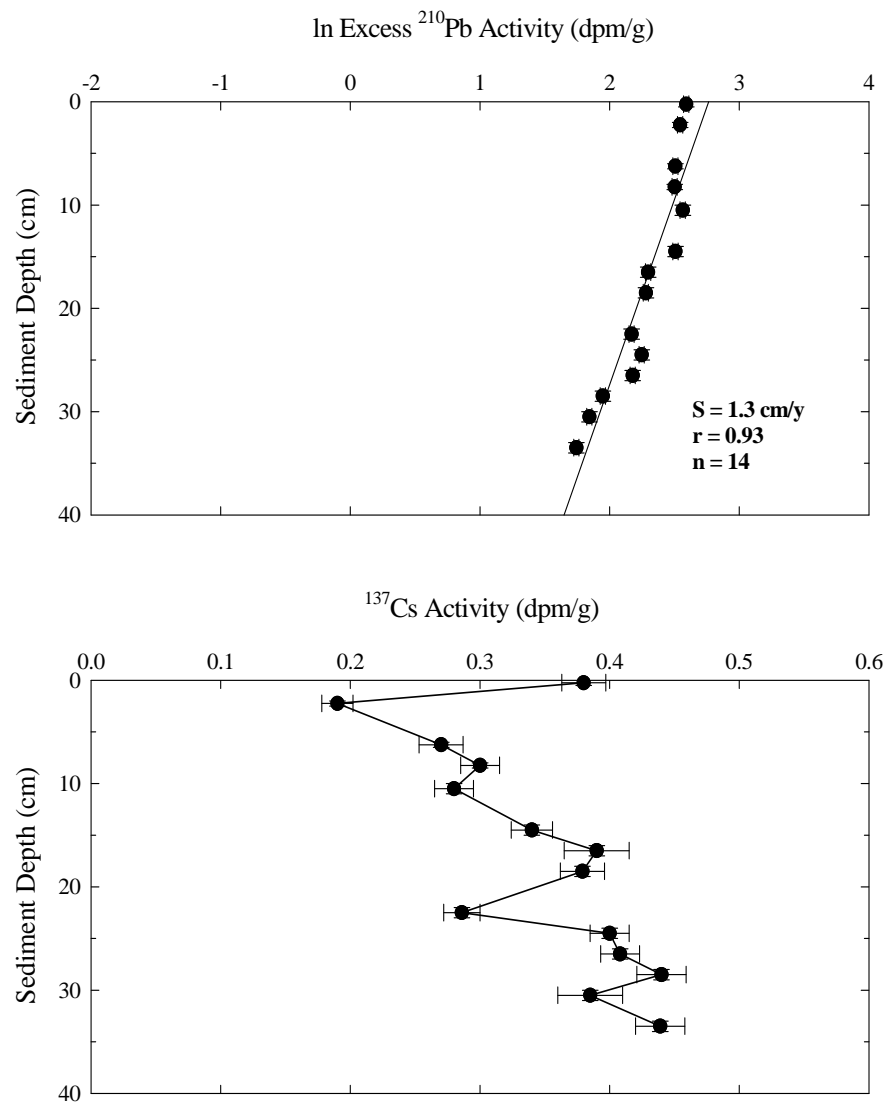


Figure 3-49: Vertical Profiles Showing Activities of Excess ^{210}Pb and ^{137}Cs for Sediment Core 97-Z2F1 versus Sediment Depth. Calculated Sedimentation Rate (S) is Shown for excess ^{210}Pb .

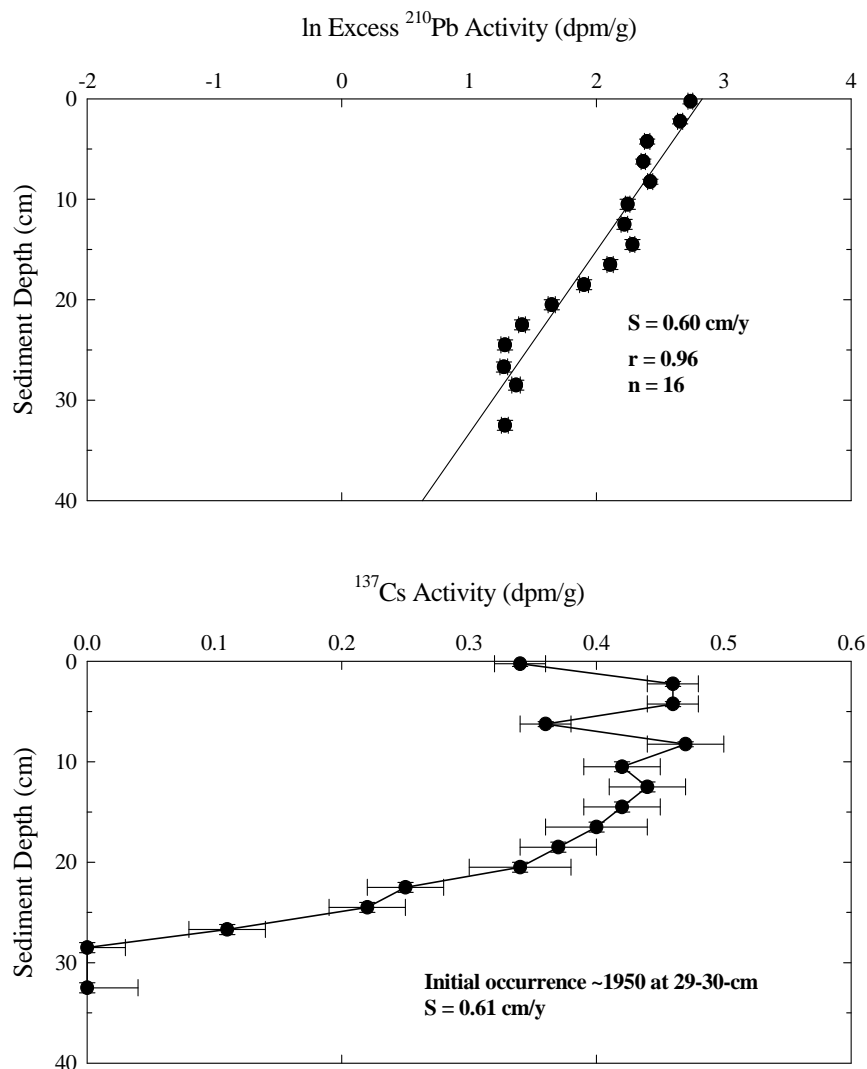


Figure 3-50: Vertical Profiles Showing Activities of Excess ^{210}Pb and ^{137}Cs for Sediment Core 97-Z3F1 versus Sediment Depth. Calculated Sedimentation Rates (S) are Shown for each Isotope Technique.

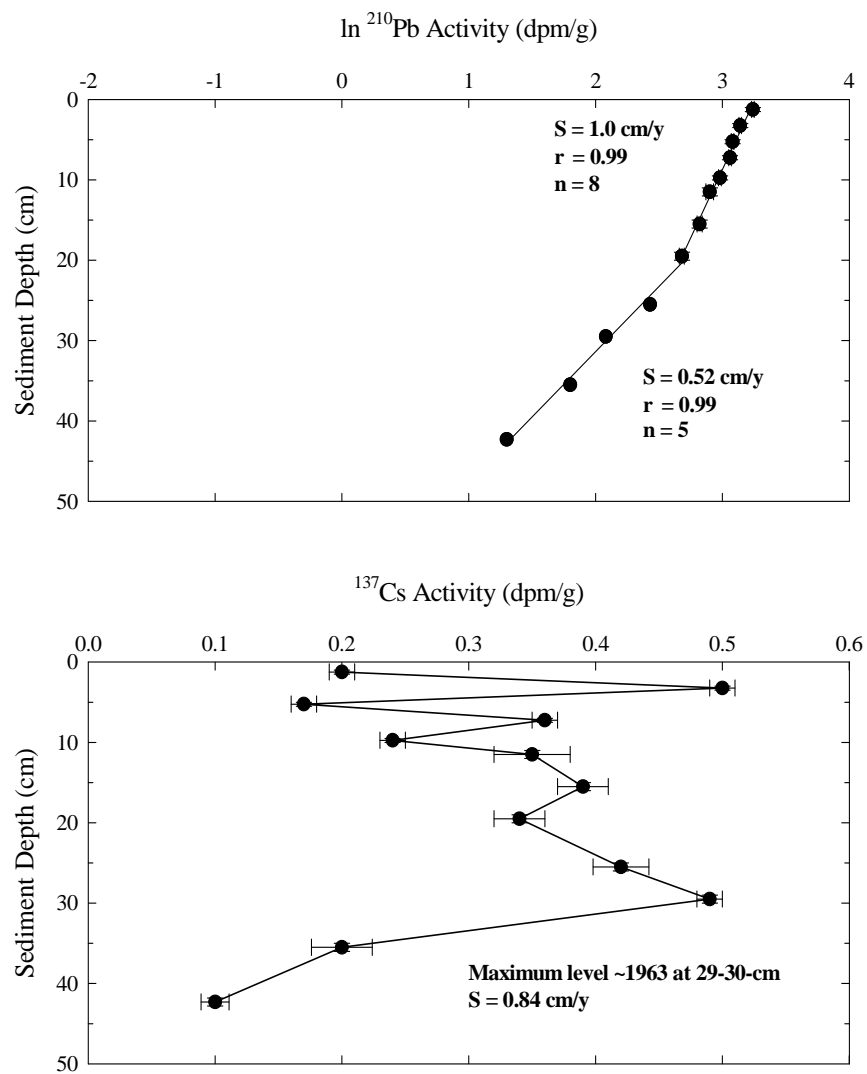


Figure 3-51: Vertical Profiles Showing Activities of Excess ^{210}Pb and ^{137}Cs for Sediment Core 98-Z4F4 versus Sediment Depth. Calculated Sedimentation Rates (S) are Shown for each Isotope Technique.

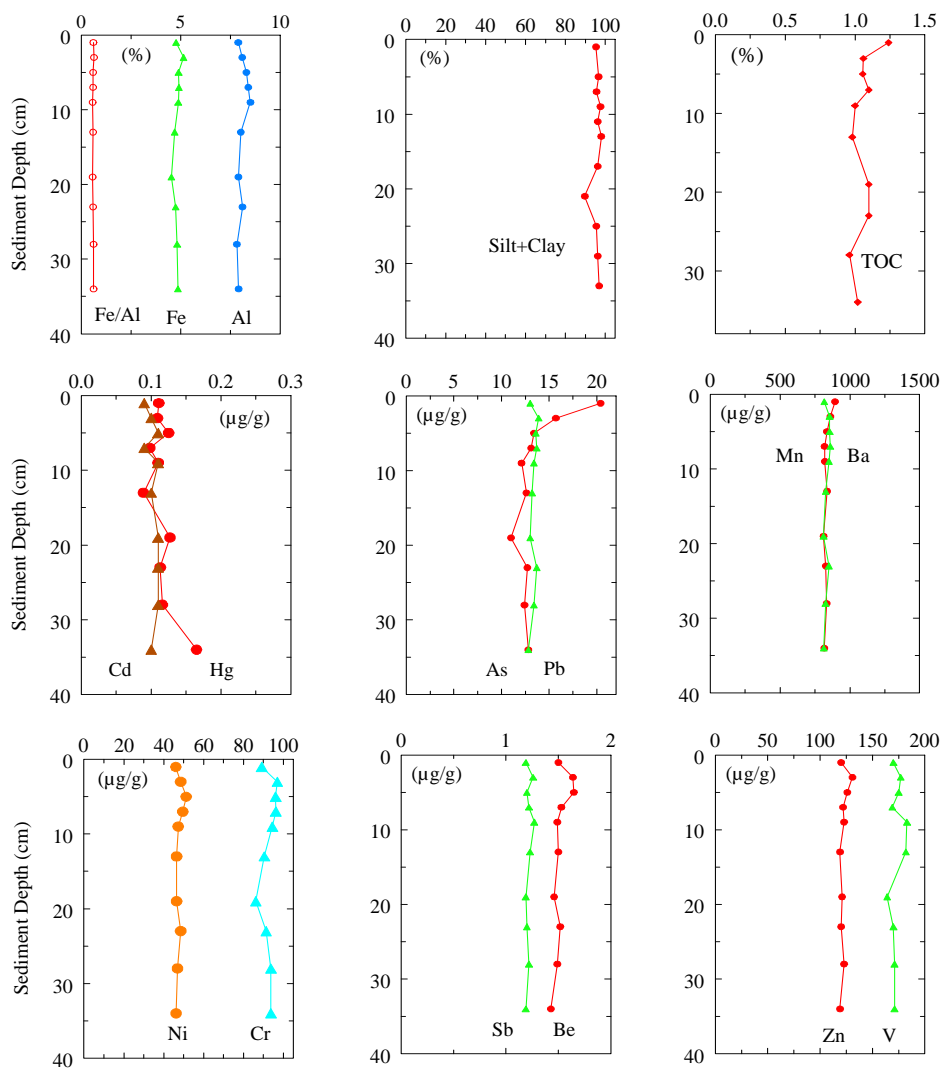
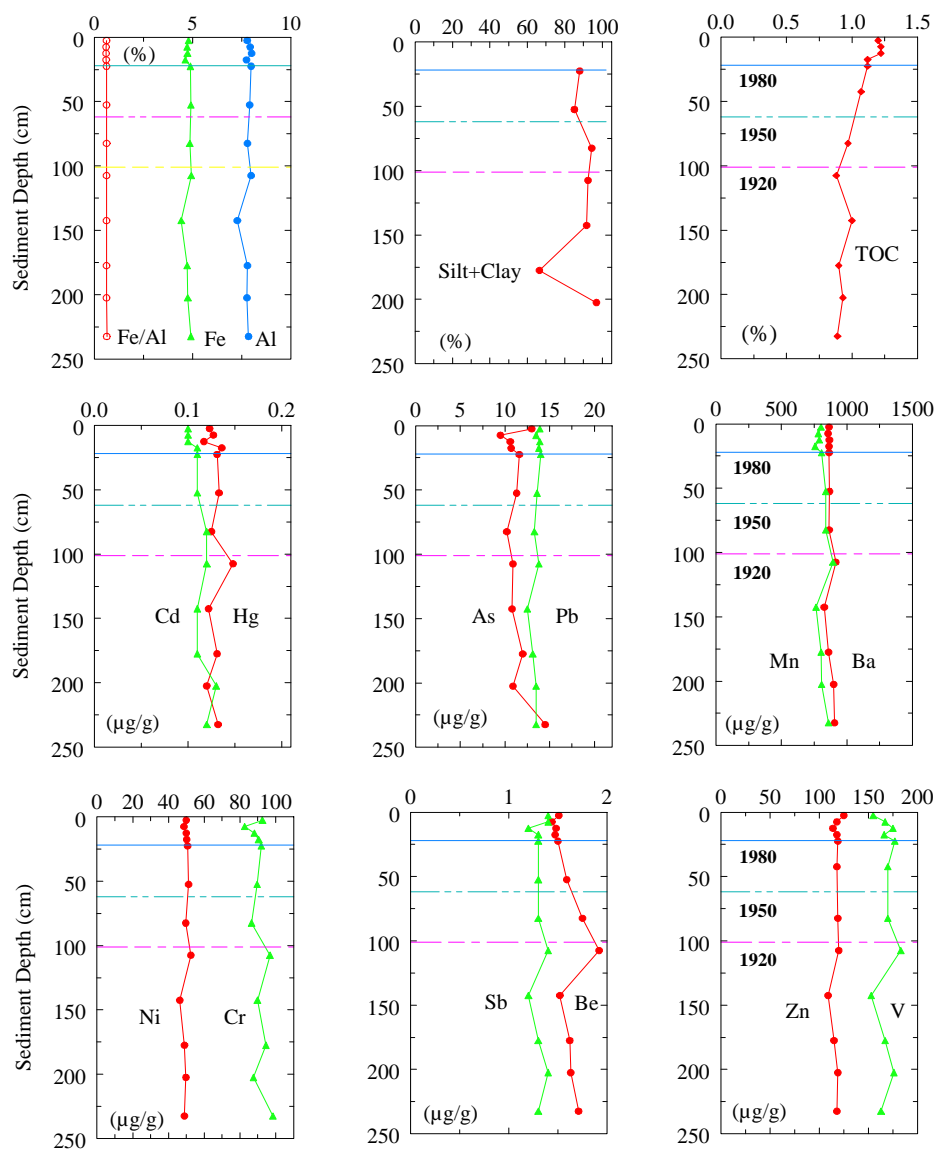


Figure 3-52: Vertical Profiles from Sediment Core 97-Z0F1 (Homer Harbor) for Al, Fe, Silt Plus Clay, TOC, and Selected Trace Metals. Sedimentation Rate was not Valid for this Core (See Figure 3-53 for Age Record at Site Z0F1).



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Figure 3-53: Vertical Profiles from Sediment Core 98-Z0F1 (Homer Harbor) for Al, Fe, Silt Plus Clay, TOC, and Selected Trace Metals. Dotted Line Indicates Approximate Sediment Depth for 1980 and Dashed Lines Correspond to 1950 and 1920.

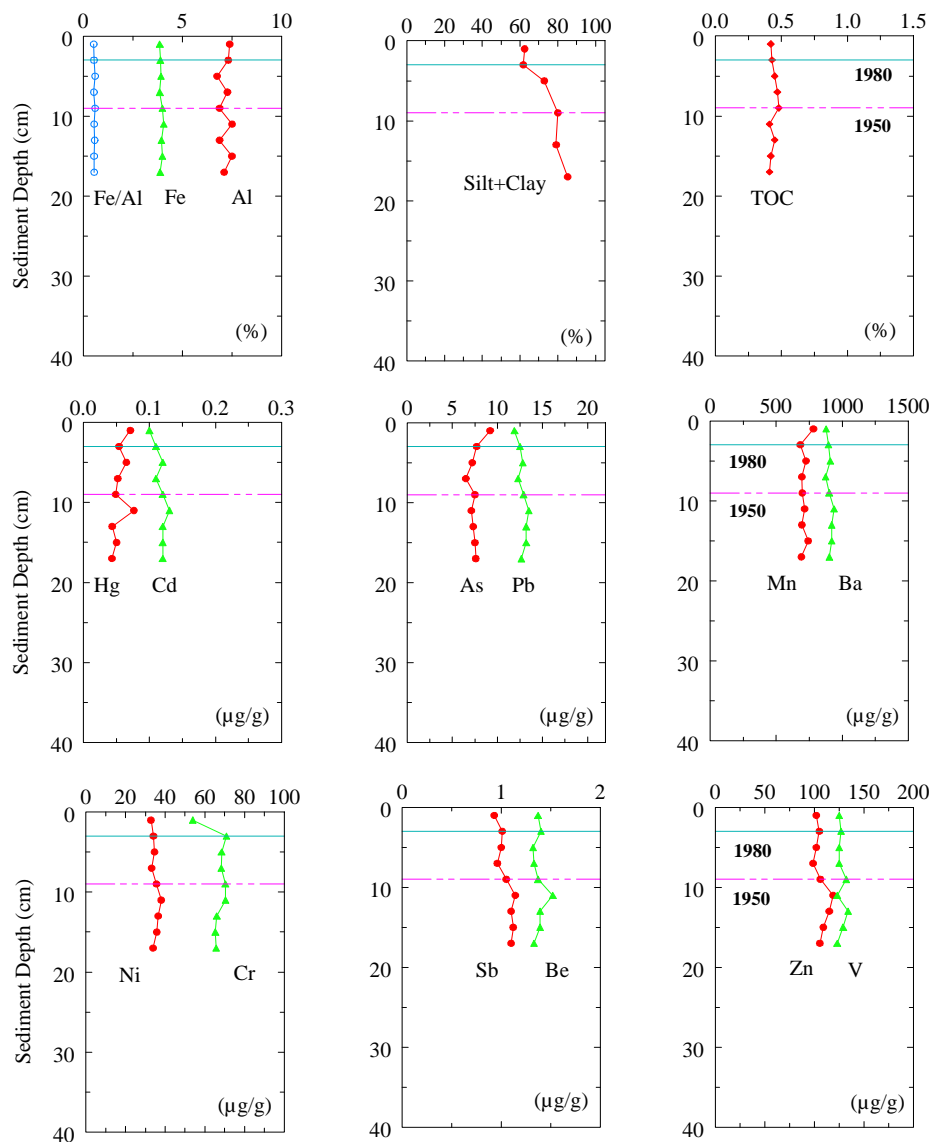


Figure 3-54: Vertical Profiles from Sediment Core 97-Z0F5 for Al, Fe, Silt Plus Clay, TOC, and Selected Trace Metals. Dotted Line Indicates Sediment Depth for 1980 and Dashed Line Corresponds to 1950.

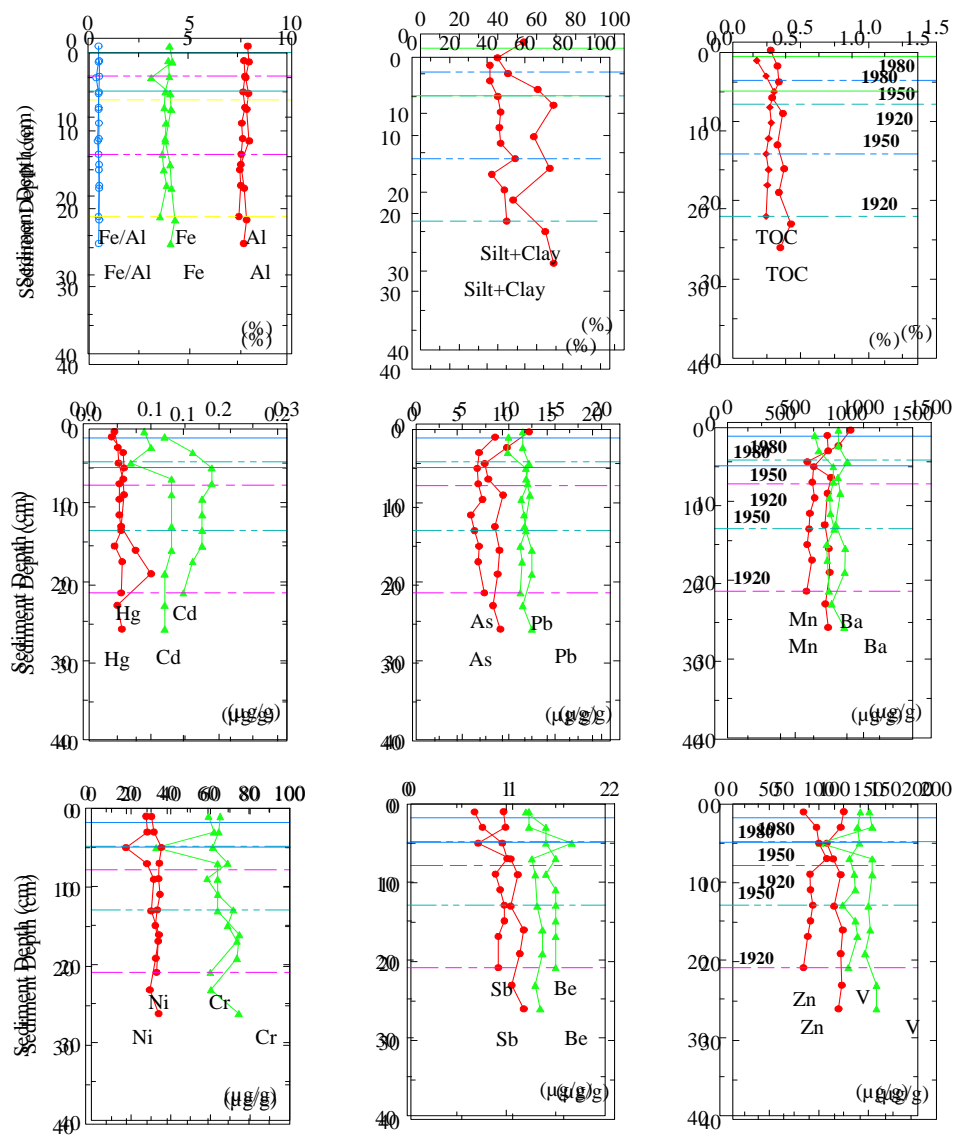
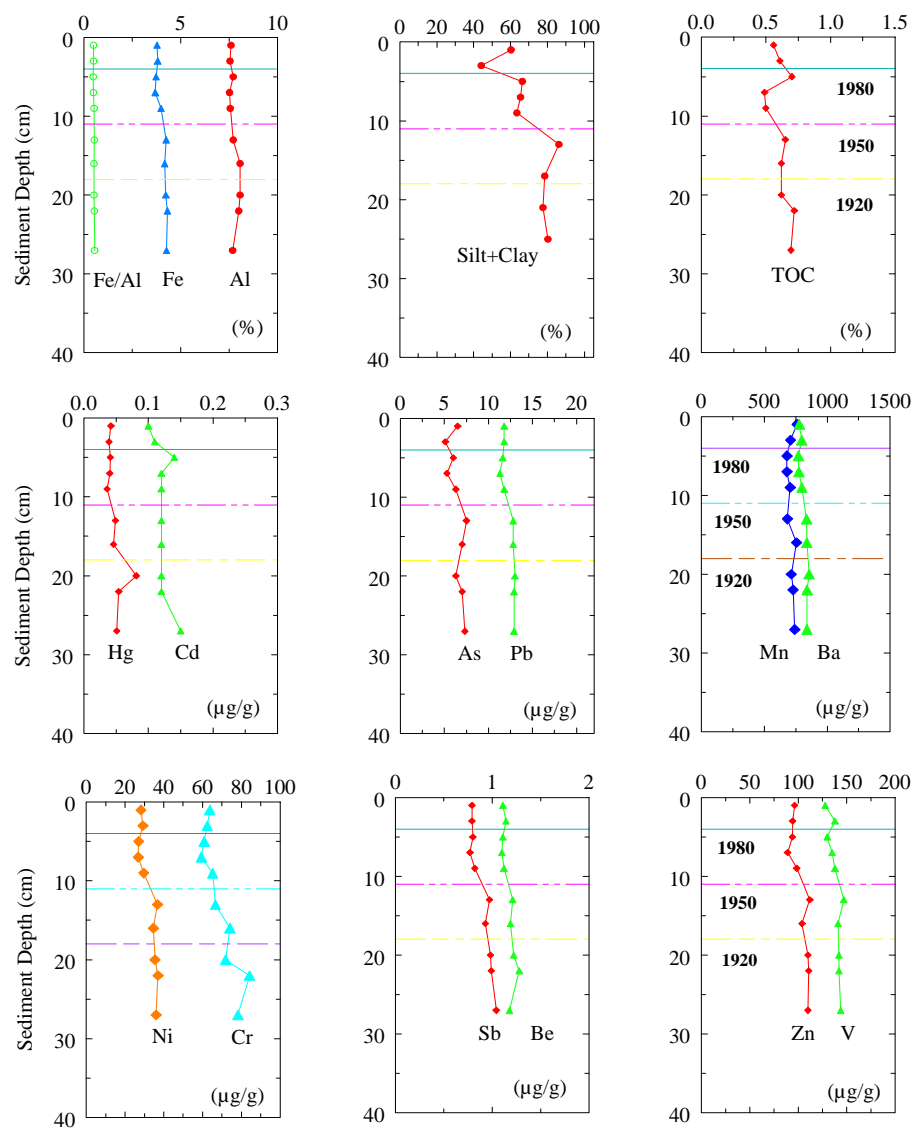


Figure 3-55: Vertical Profiles from Sediment Core 97-Z0F6 for Al, Fe, Silt Plus Clay, TOC, and Selected Trace Metals. Dotted Line Indicates Sediment Depth for 1980 and Dashed Lines Correspond to 1950 and 1920.

Figure 3-56: Vertical Profiles from Sediment Core 98-Z0F8 for Al,

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Figure 3-57: Vertical Profiles from Sediment Core 97-Z1F1 for Al, Fe, Silt Plus Clay, TOC, and Selected Trace Metals. Dotted Line Indicates Sediment Depth for 1980 and Dashed Lines Correspond to 1950 and 1920.

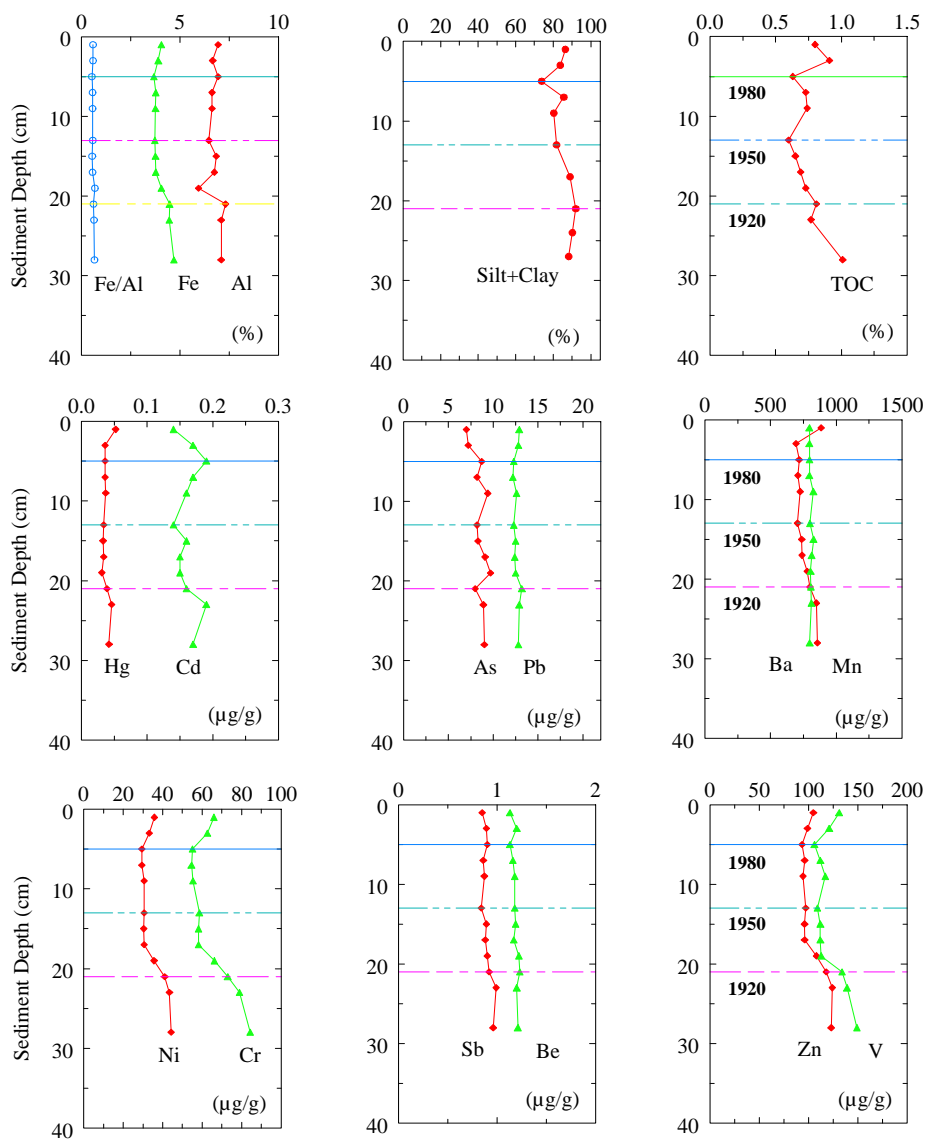
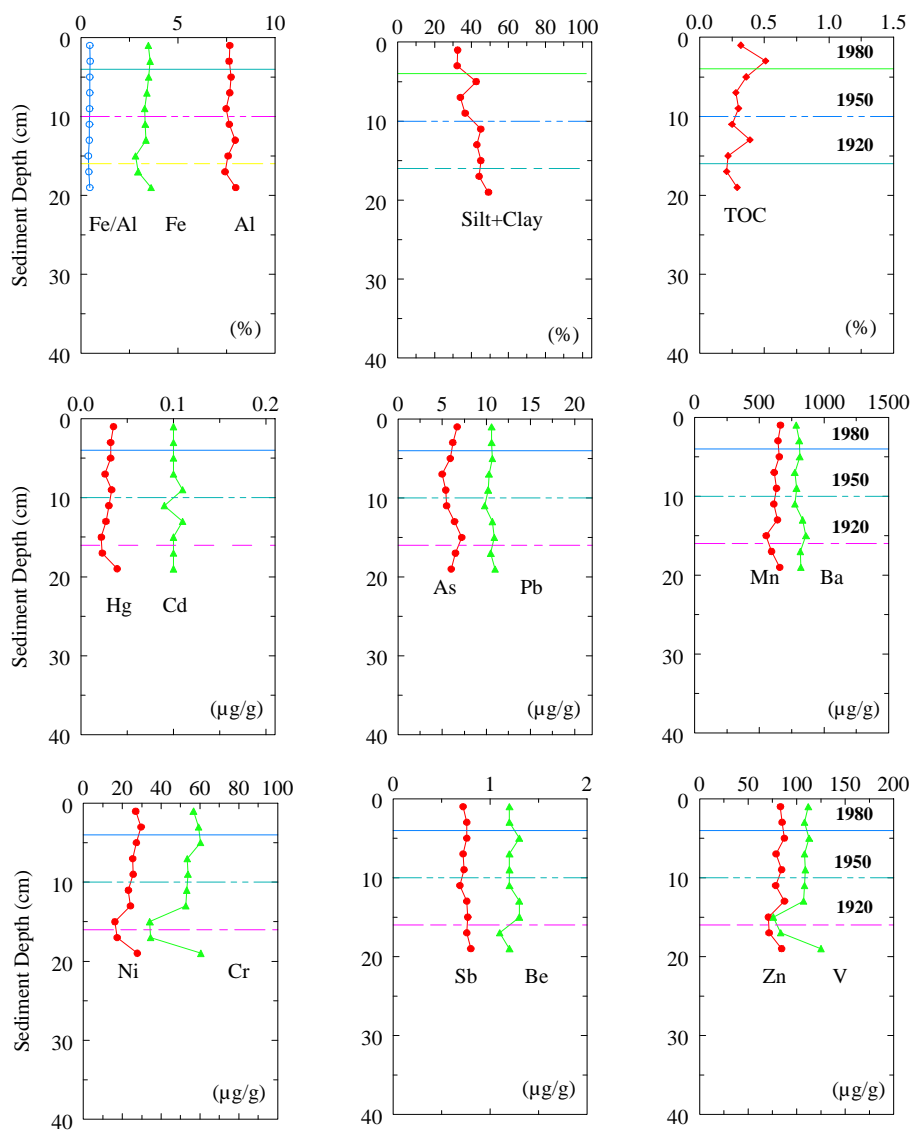


Figure 3-58: Vertical Profiles from Sediment Core 97-Z1F2 for Al, Fe, Silt Plus Clay, TOC, and Selected Trace Metals. Dotted Line Indicates Sediment Depth for 1980 and Dashed Lines Correspond to 1950 and 1920.



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3-59: Vertical Profiles from Sediment Core 98-Z1R3B for Al, Fe, Silt Plus Clay, TOC, and Selected Trace Metals. Dotted Line Indicates Sediment Depth for 1980 and Dashed Lines Correspond to 1950 and 1920.

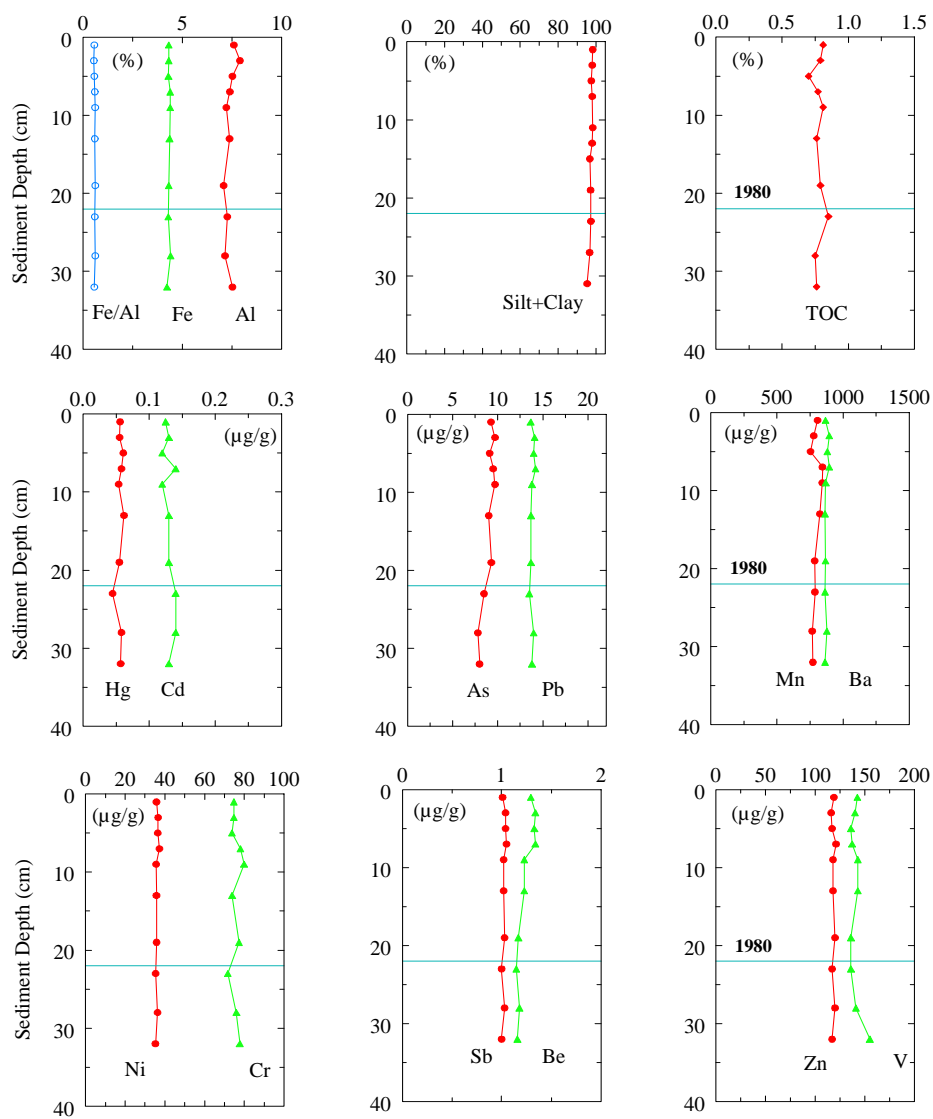


Figure 3-60: Vertical Profiles from Sediment Core 97-Z2F1 for Al, Fe, Silt Plus Clay, TOC, and Selected Trace Metals. Dotted Line Indicates Sediment Depth for 1980.

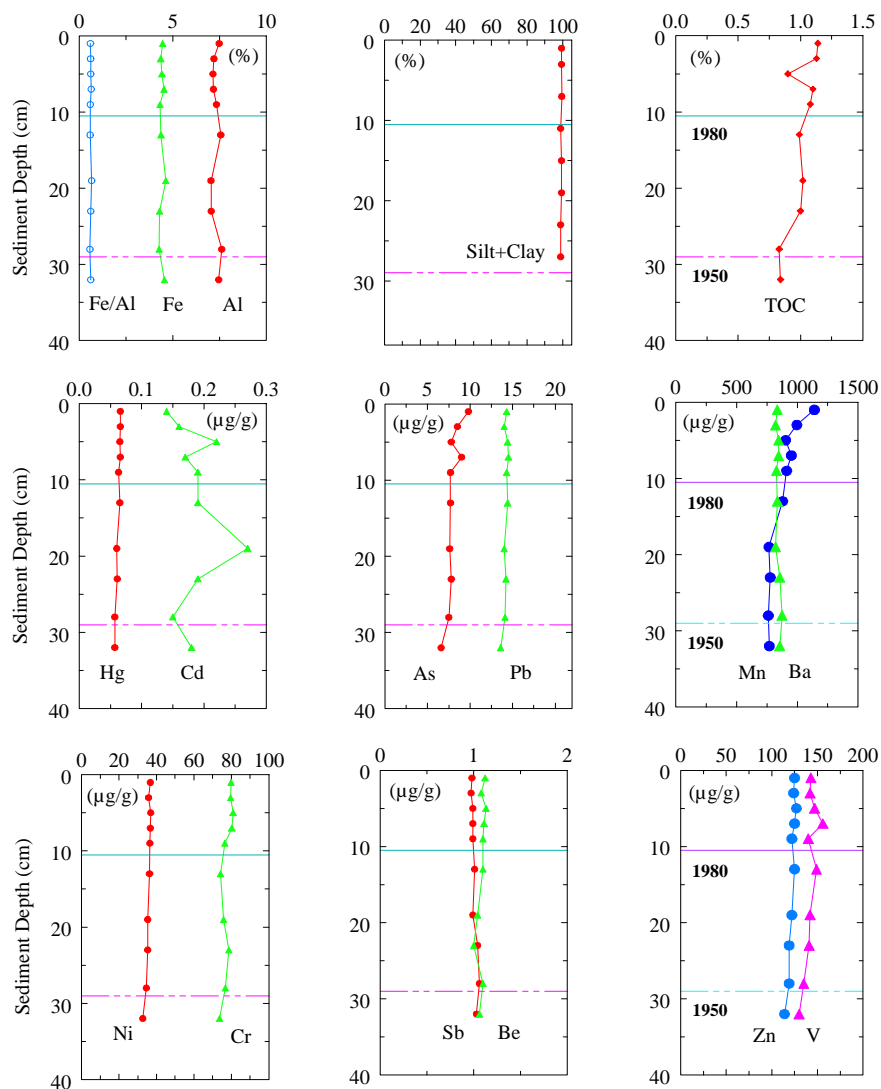


Figure 3-61: Vertical Profiles from Sediment Core 97-Z2F2 for Al, Fe, Silt Plus Clay, TOC, and Selected Trace Metals. Dotted Line Indicates Sediment Depth for 1980 and Dashed Line Corresponds to 1950.

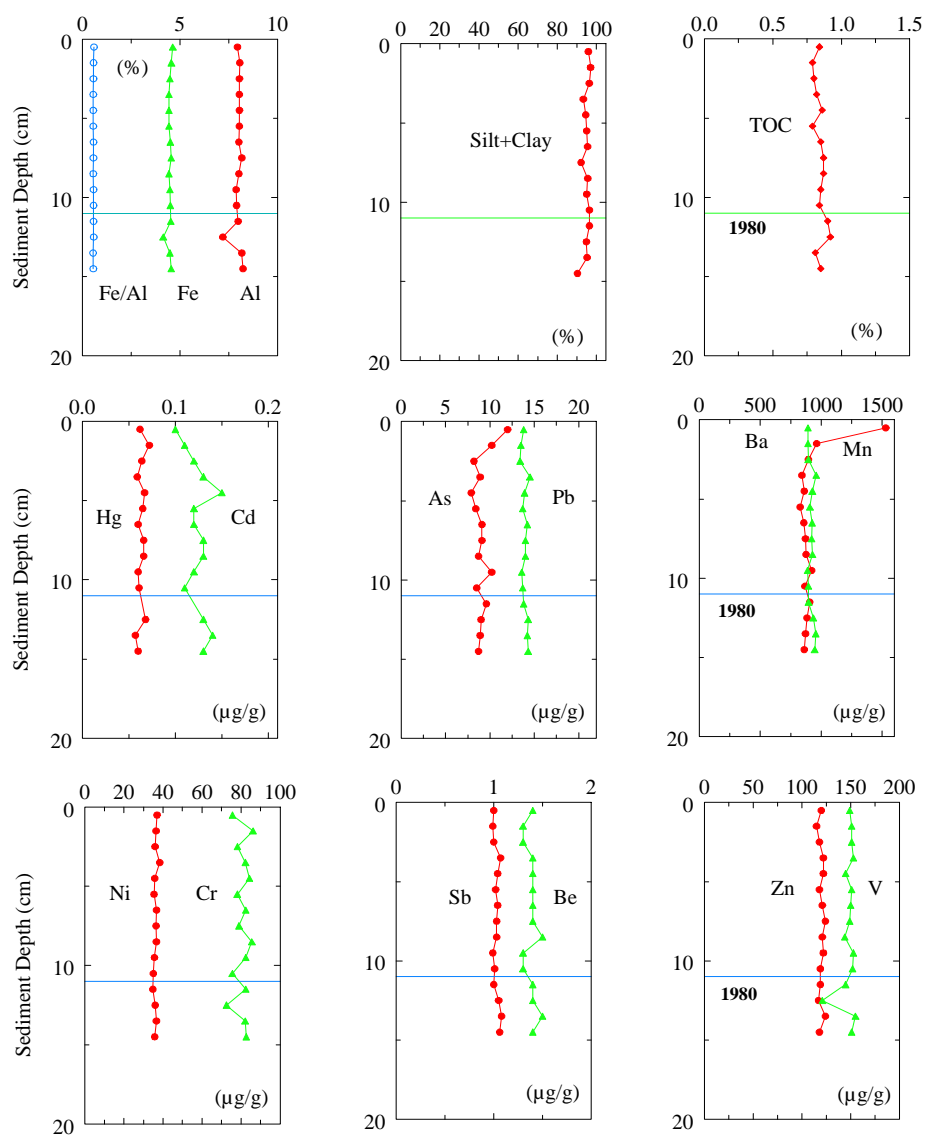


Figure 3-62: Vertical Profiles from Sediment Core 98-Z2R16 for Al, Fe, Silt Plus Clay, TOC, and Selected Trace Metals. Dotted Line Indicates Sediment Depth for 1980.

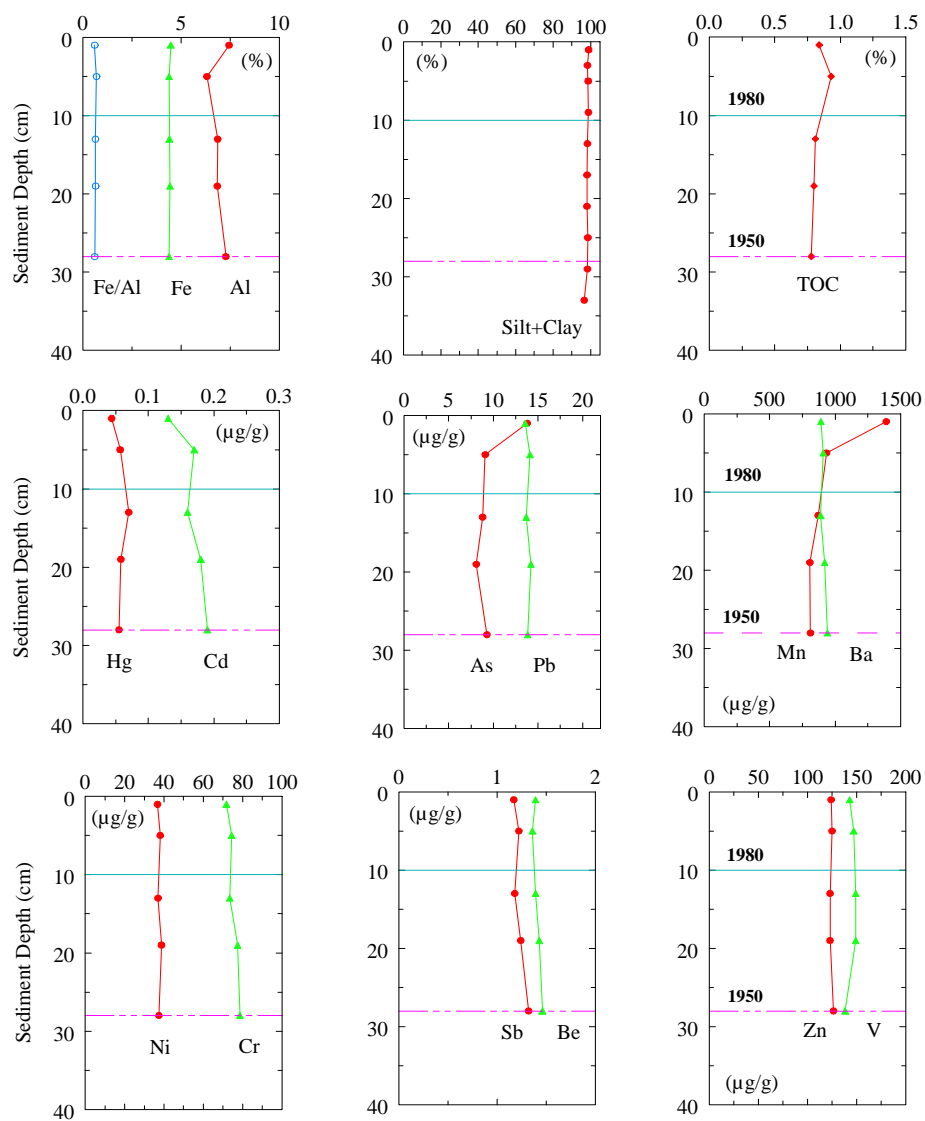


Figure 3-63: Vertical Profiles from Sediment Core 97-Z3F1 for Al, Fe, Silt Plus Clay, TOC, and Selected Trace Metals. Dotted Line Indicates Sediment Depth for 1980 and Dashed Line Corresponds to 1950.

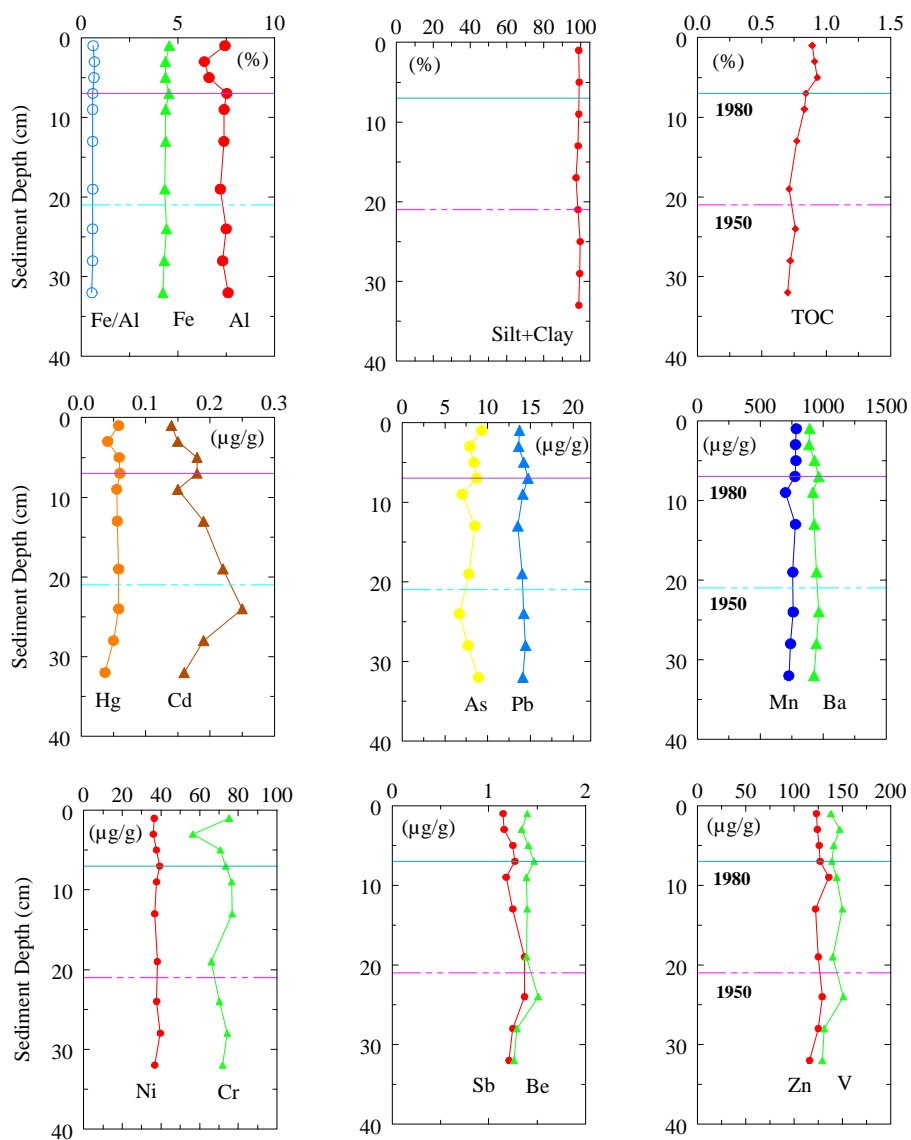


Figure 3-64: Vertical Profiles from Sediment Core 97-Z3F2 for Al, Fe, Silt Plus Clay, TOC, and Selected Trace Metals. Dotted Line Indicates Sediment Depth for 1980 and Dashed Line Corresponds to 1950.

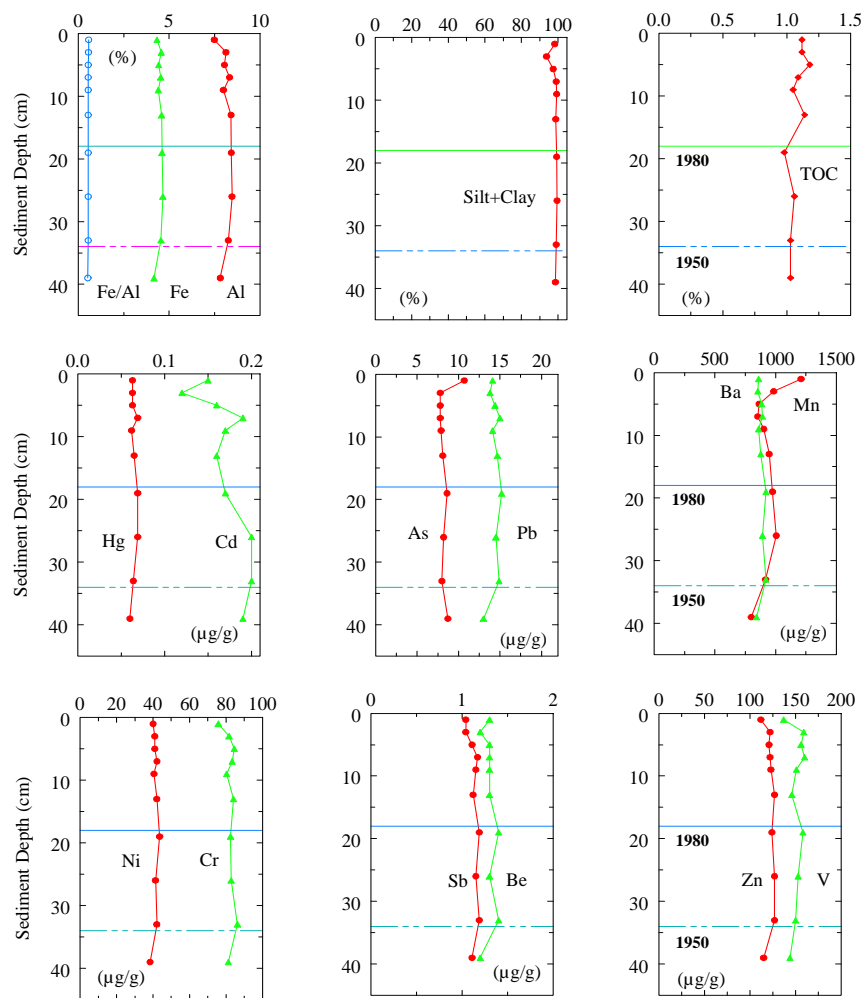


Figure 3-65: Vertical Profiles from Sediment Core 98-Z4F4 for Al, Fe, Silt Plus Clay, TOC, and Selected Trace Metals. Dotted Line Indicates Sediment Depth for 1980 and Dashed Line Corresponds to 1950.