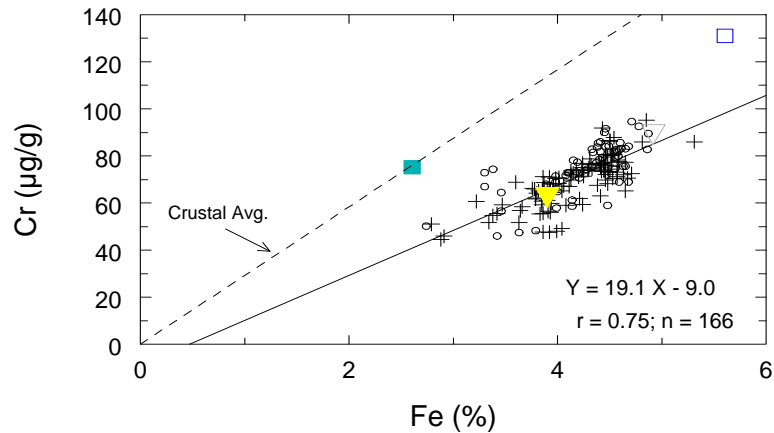
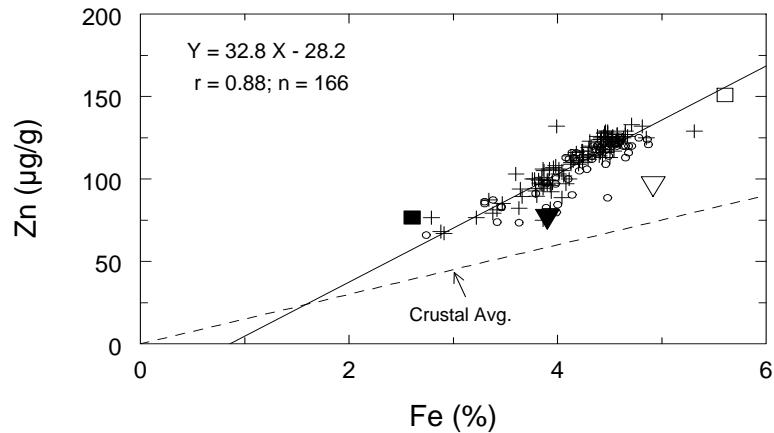


**Figure 4-2: Percent TOC versus Silt + Clay  
for Surficial Sediments for Zones 0, 1, 2, 3 and 4.**

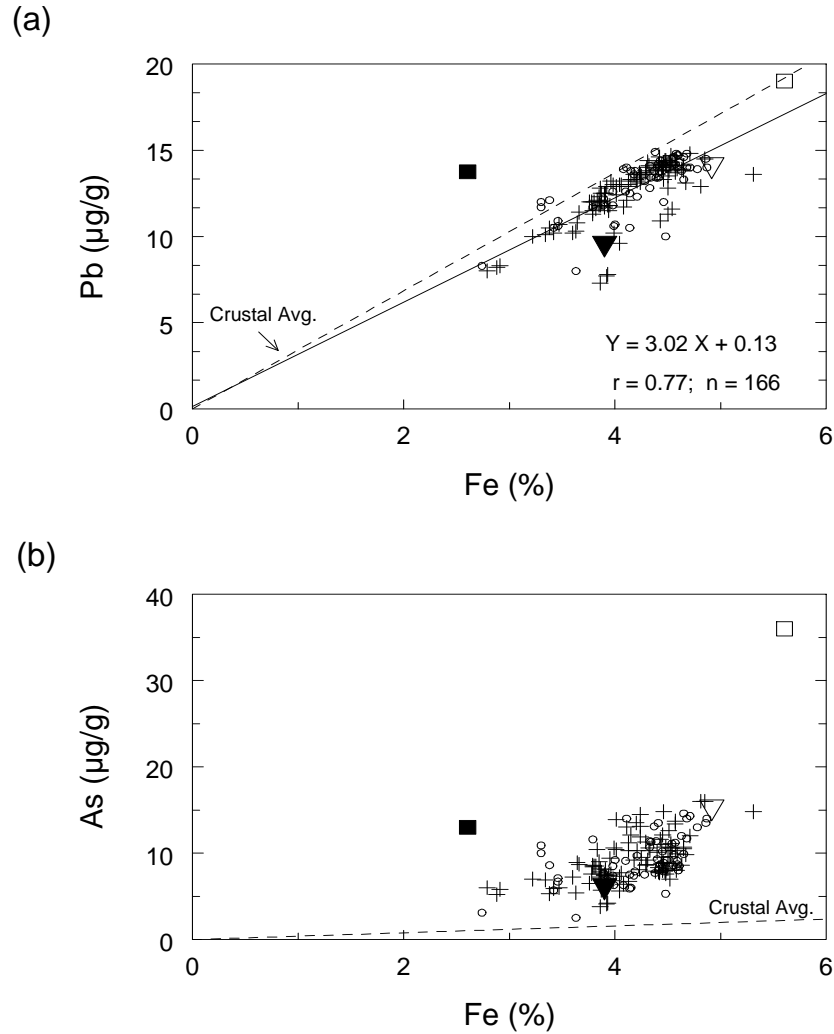
(a)



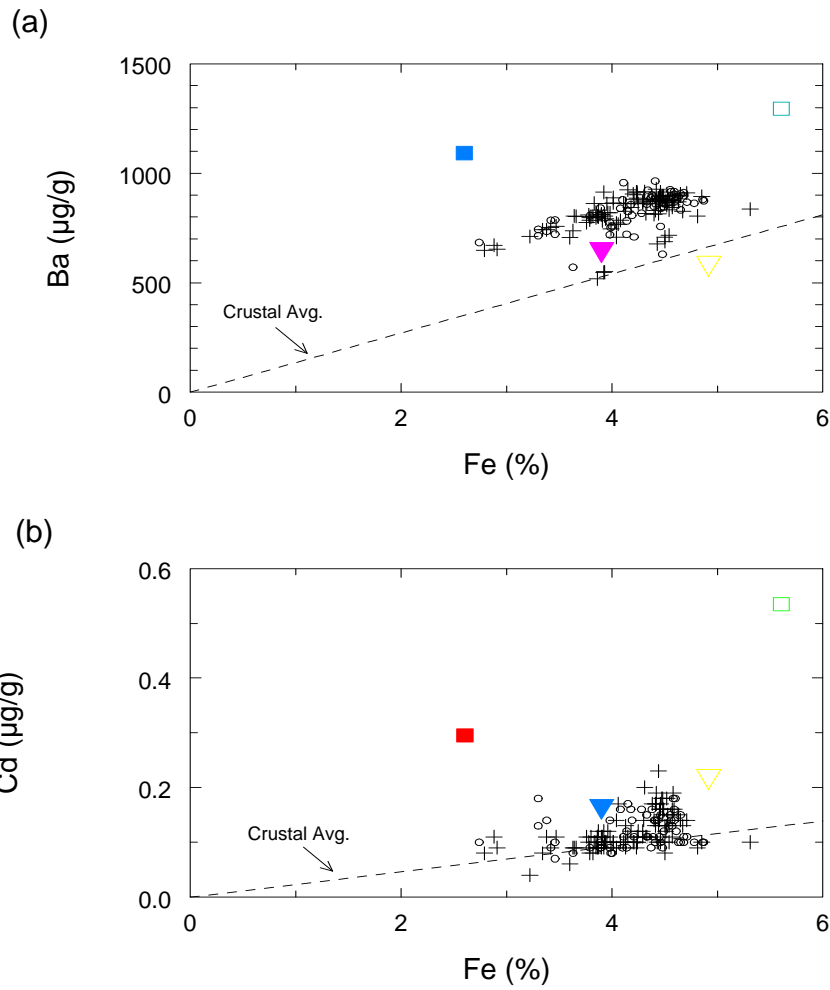
(b)



**Figure 4-3: Concentrations of Fe versus (a) Cr and (b) Zn in Surficial Sediments from Outermost Cook Inlet (Zone 0) and the Shelikof Strait (Zones 1, 2, 3 and 4). Dashed Lines Show Relationship for Average Continental Crust from Wedepohl (1995). Dotted Lines and Equations are from Linear Regression for Surficial Sediments from this Study. Symbols are as Follows: (+) Surficial Sediments Collected in 1997, (o) Surficial Sediments Collected in 1998, (■) Bottom Sediments from the Susitna River, (□) Suspended Solids from the Susitna River, (▼) Bottom Sediments from the Copper River and (▽) Suspended Solids from the Copper River**

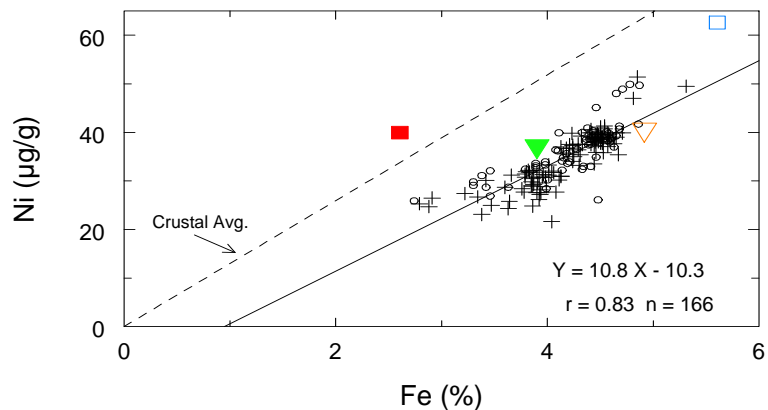


**Figure 4-4: Concentrations of Fe versus (a) Pb and (b) As in Surficial Sediments from Outermost Cook Inlet (Zone 0) and the Shelikof Strait (Zones 1, 2, 3 and 4). Dashed Lines Show Relationship for Average Continental Crust from Wedepohl (1995). Dotted Line and Equation are from Linear Regression for Surficial Sediments from this Study. Symbols are as Follows: (+) Surficial Sediments Collected in 1997, (o) Surficial Sediments Collected in 1998, (■) Bottom Sediments from the Susitna River, (□) Suspended Solids from the Susitna River, (▼) Bottom Sediments from the Copper River and (▽) Suspended Solids from the Copper River**

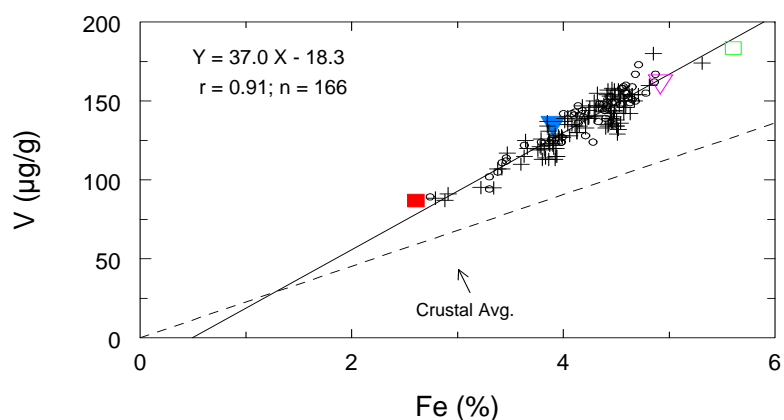


**Figure 4-5: Concentrations of Fe versus (a) Ba and (b) Cd in Surficial Sediments from Outermost Cook Inlet (Zone 0) and the Shelikof Strait (Zones 1, 2, 3 and 4). Dashed Lines Show Relationship for Average Continental Crust from Wedepohl (1995). Symbols are as Follows: (+) Surficial Sediments Collected in 1997, (o) Surficial Sediments Collected in 1998, (■) Bottom Sediments from the Susitna River, (□) Suspended Solids from the Susitna River, (▼) Bottom Sediments from the Copper River and (▽) Suspended Solids from the Copper River**

(a)



(b)

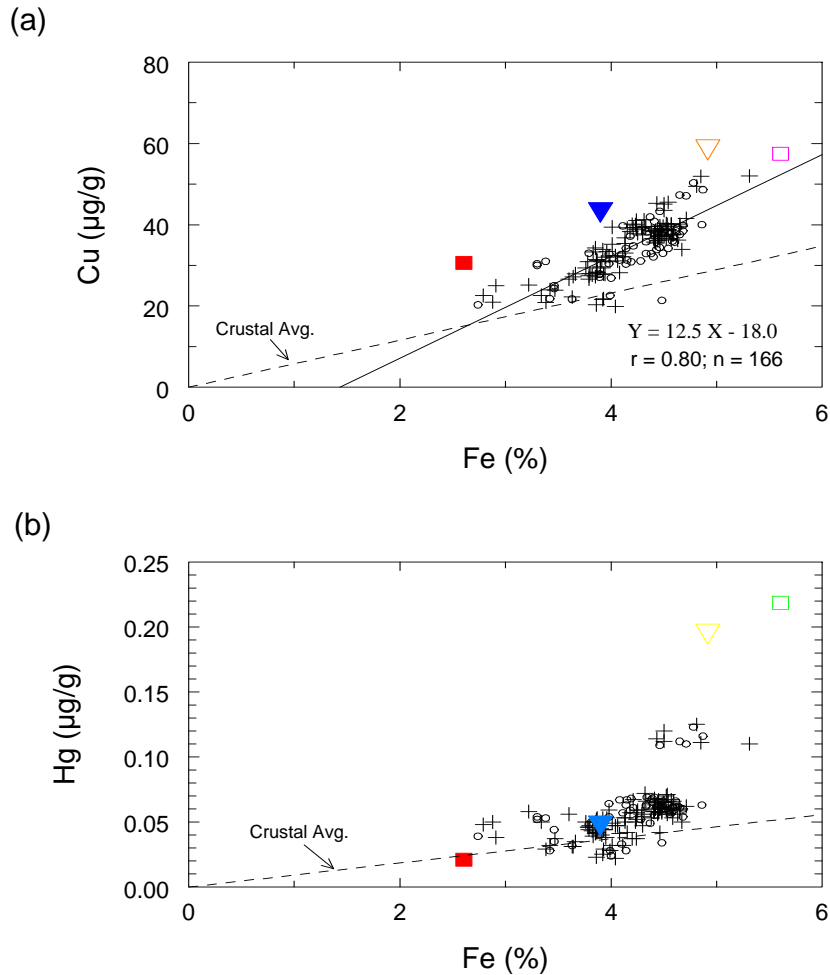


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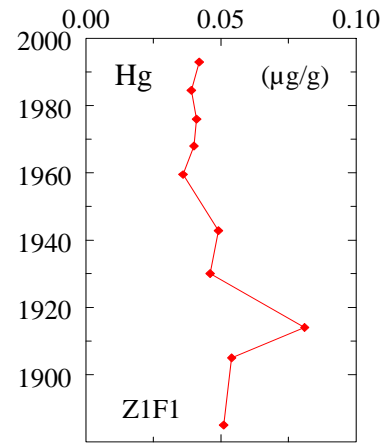
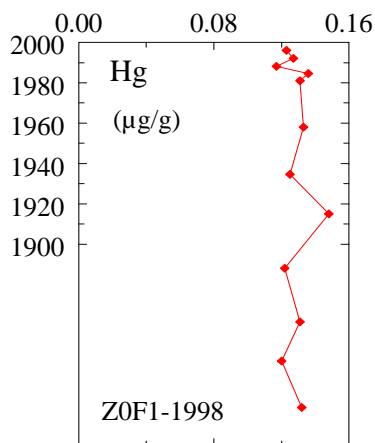
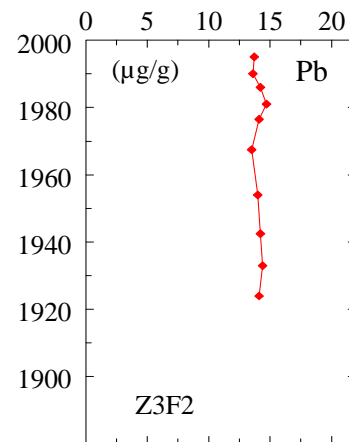
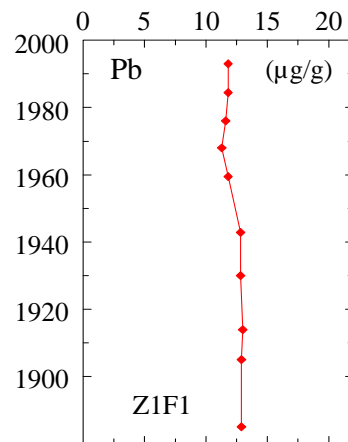
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oncentrations of Fe versus (a) Ni and (b) V in

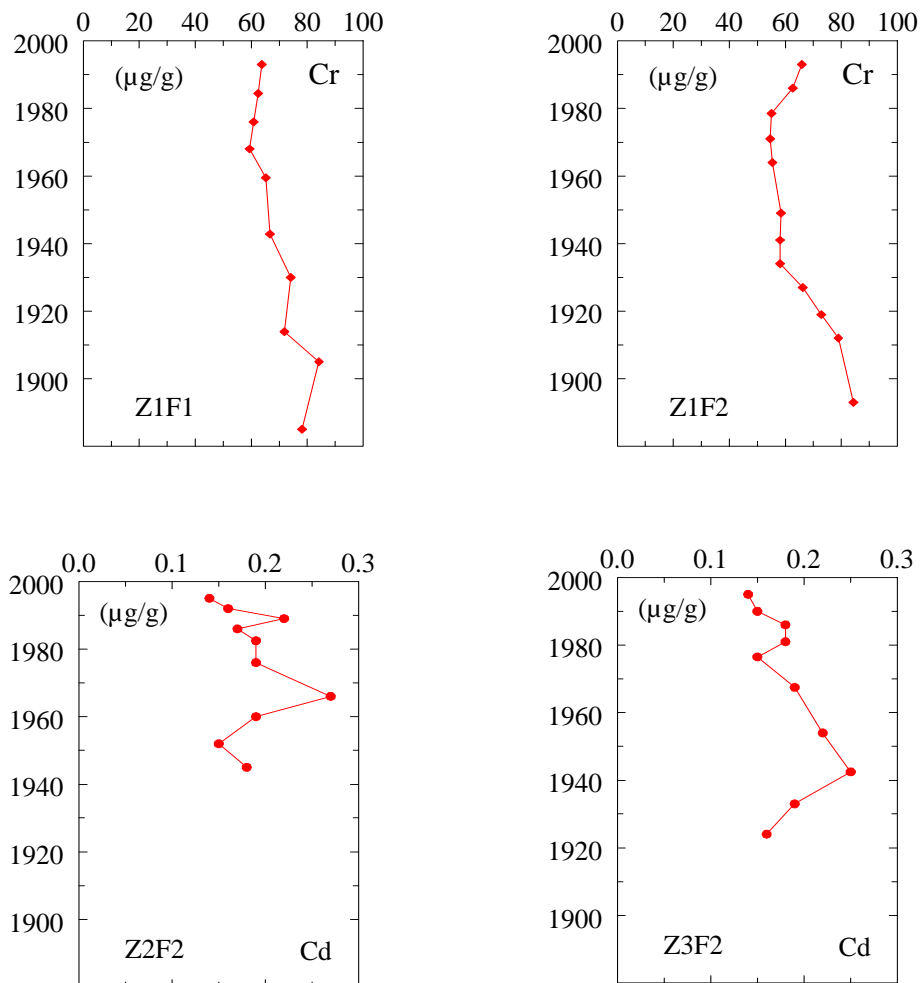
Surficial Sediments from Outermost Cook Inlet (Zone 0) and the Shelikof Strait (Zones 1, 2, 3 and 4). Dashed Lines Show Relationship for Average Continental Crust from Wedepohl (1995). Dotted Lines and Equations are from Linear Regression for Surficial Sediments from this Study. Symbols are as Follows: (+) Surficial Sediments Collected in 1997, (o) Surficial Sediments Collected in 1998, (■) Bottom Sediments from the Susitna River, (□) Suspended Solids from the Susitna River, (▼) Bottom Sediments from the Copper River and (▽) Suspended Solids from the Copper River



**Figure 4-7: Concentrations of Fe versus (a) Cu and (b) Hg in Surficial Sediments from Outermost Cook Inlet (Zone 0) and the Shelikof Strait (Zones 1, 2, 3 and 4). Dashed Lines Show Relationship for Average Continental Crust from Wedepohl (1995). Dotted Line and Equation are from Linear Regression for Surficial Sediments from this Study. Symbols are as Follows: (+) Surficial Sediments Collected in 1997, (o) Surficial Sediments Collected in 1998, (■) Bottom Sediments from the Susitna River, (□) Suspended Solids from the Susitna River, (▼) Bottom Sediments from the Copper River and (▽) Suspended Solids from the Copper River**

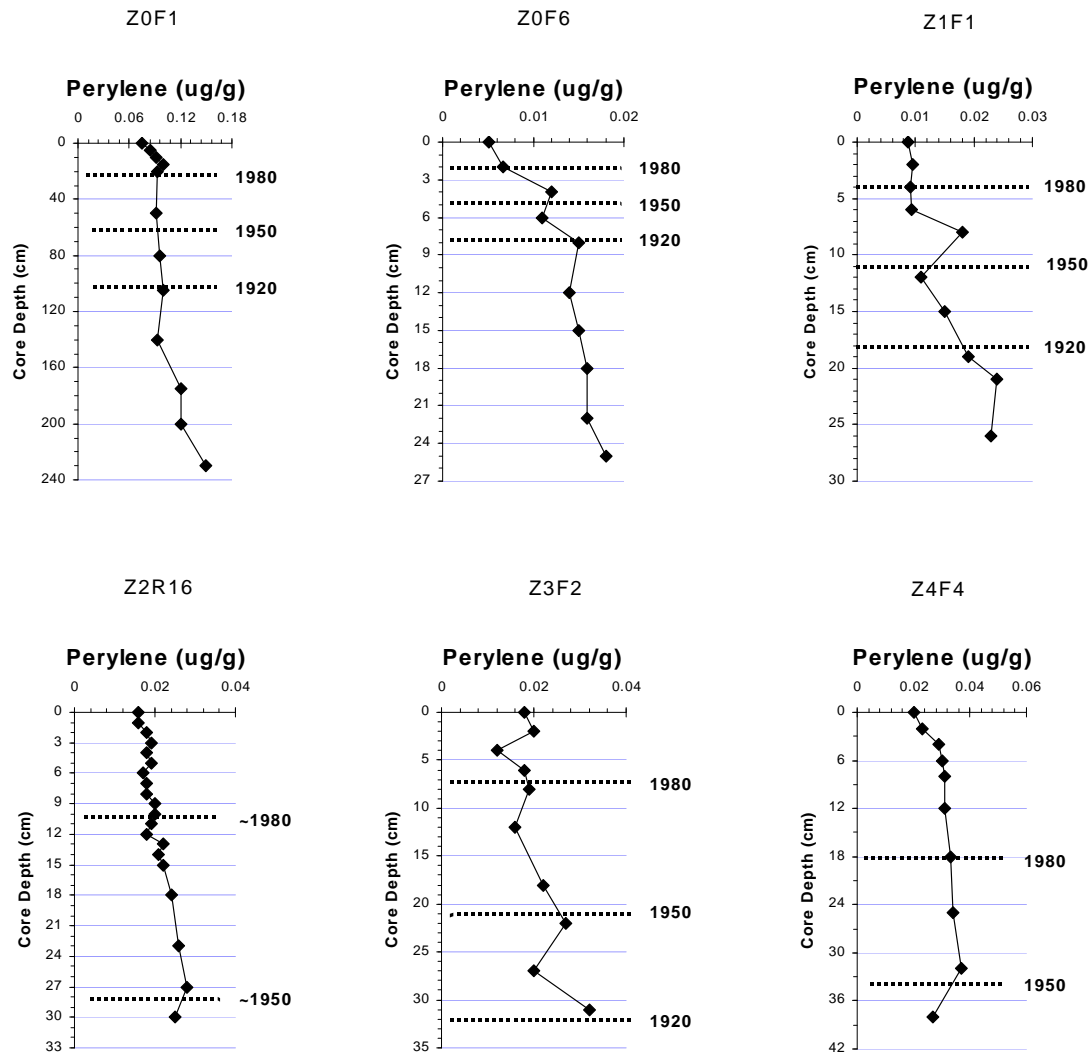


**Figure 4-9: Vertical Profiles of Pb and Hg Values in Sediment Cores versus Time (Station identification in lower left hand corner)**



**Figure 4-10: Vertical Profiles of Cr and Cd Values in Sediment Cores versus Time (Station identification in lower left hand corner)**





**Figure 4-11: Sediment Core Profile of Perylene within each Zone.**