

APPENDIX

Figures

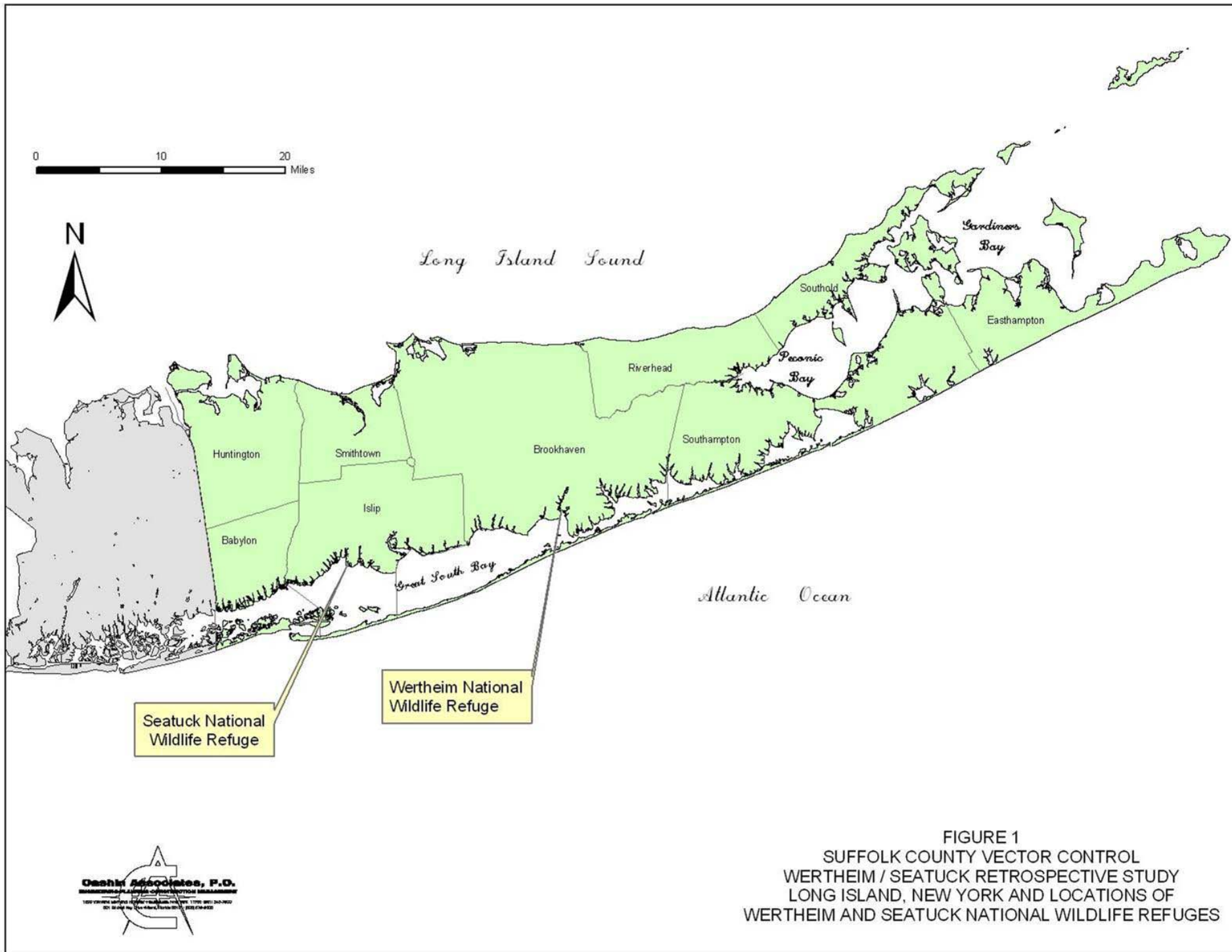


FIGURE 1
 SUFFOLK COUNTY VECTOR CONTROL
 WERTHEIM / SEATUCK RETROSPECTIVE STUDY
 LONG ISLAND, NEW YORK AND LOCATIONS OF
 WERTHEIM AND SEATUCK NATIONAL WILDLIFE REFUGES





0 240 480 720 960 Feet



FIGURE 2
SUFFOLK COUNTY VECTOR CONTROL
WERTHEIM / SEATUCK RETROSPECTIVE STUDY
WERTHIEM NATIONAL WILDLIFE REFUGE



Great South Bay

*Champlin
Creek*

0 250 500 750 1,000 Feet



FIGURE 3
SUFFOLK COUNTY VECTOR CONTROL
WERTHEIM / SEATUCK RETROSPECTIVE STUDY
SEATUCK NATIONAL WILDLIFE REFUGE



FIGURE 4
SUFFOLK COUNTY VECTOR CONTROL
WERTHEIM / SEATUCK RETROSPECTIVE STUDY
TRANSECT LOCATIONS FOR
WERTHIEM NATIONAL WILDLIFE REFUGE



FIGURE 5
SUFFOLK COUNTY VECTOR CONTROL
WERTHEIM / SEATUCK RETROSPECTIVE STUDY
TRANSECT LOCATIONS FOR
SEATUCK NATIONAL WILDLIFE REFUGE

Wertheim Transect A – 150 m long (7/7/04)

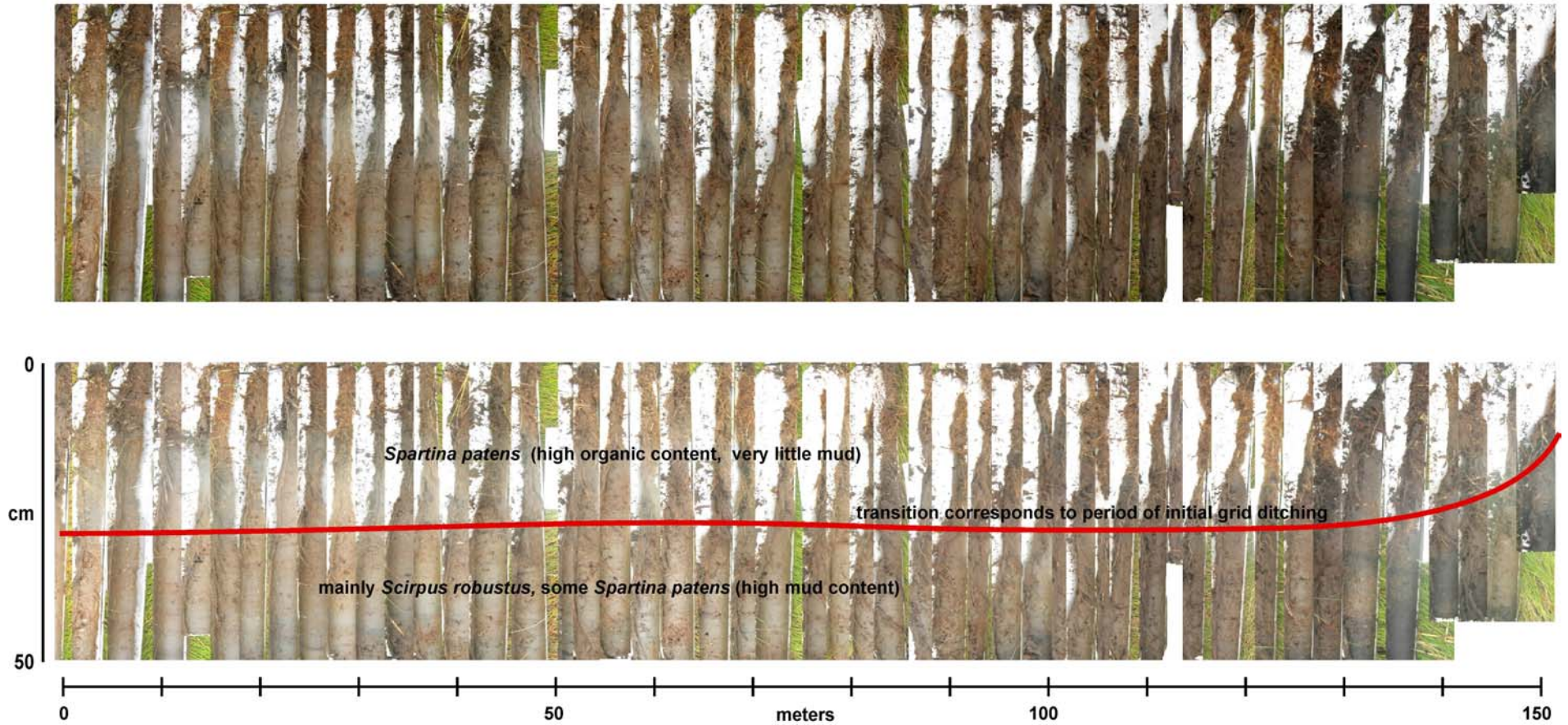


Figure 6: Russian Peat-Auger Photos and Interpretations for Transect A at Wertheim National Wildlife Refuge

Wertheim Transect B – 150 m long

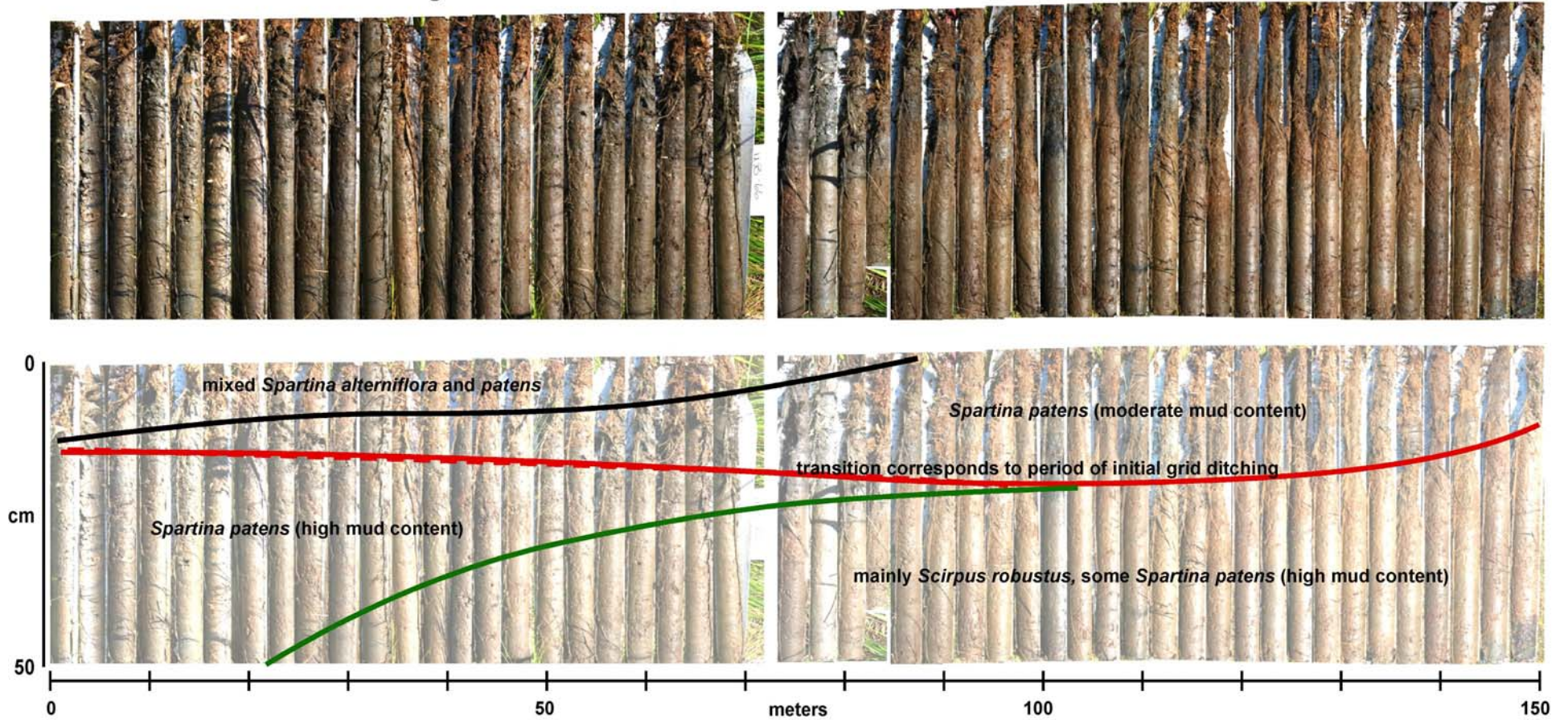


Figure 7: Russian Peat-Auger Photos and Interpretations for Transect B at Wertheim National Wildlife Refuge

Seatuck Transect A – 150 m long (7/2/04)



75-87 m thick
Phragmites
(uncoreable)

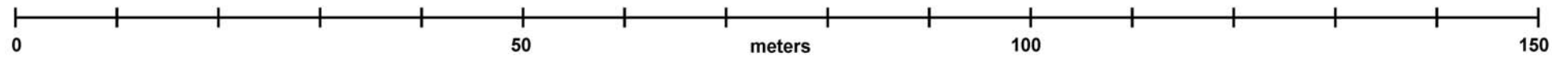
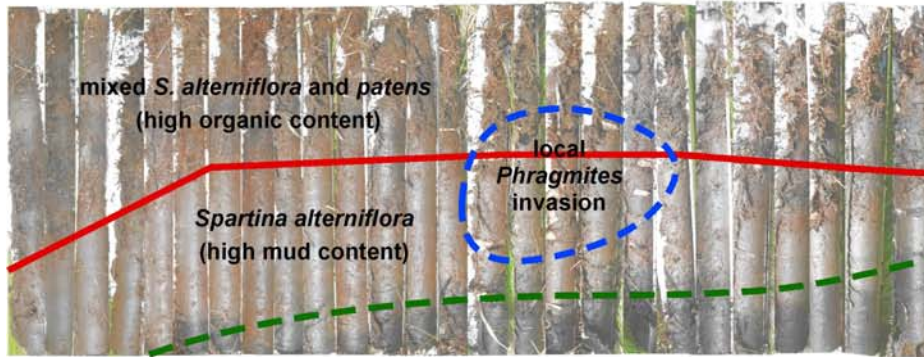


Figure 8: Russian Peat-Auger Photos and Interpretations for Transect A at Seaturk National Wildlife Refuge

Seatuck Transect B – 72 m long (7/7/04)



Seatuck Transect C – 45 m long (7/7/04)

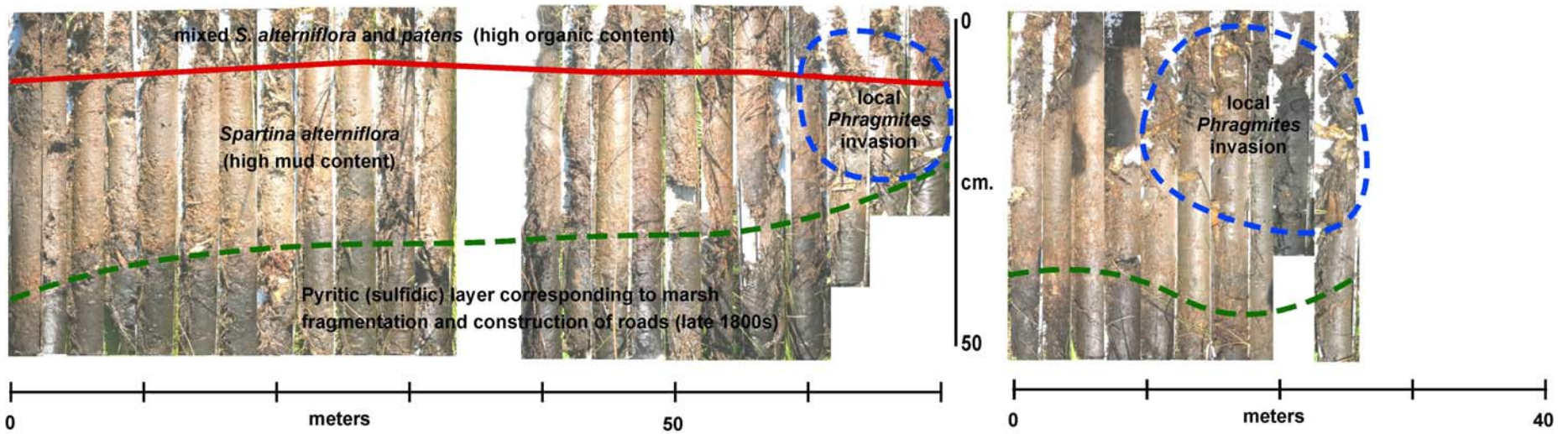


Figure 9: Russian Peat-Auger Photos and Interpretations for Transects B and C at Seatuck National Wildlife Refuge

Figure 10: Transect WA Percent H₂O & Percent LOI Data

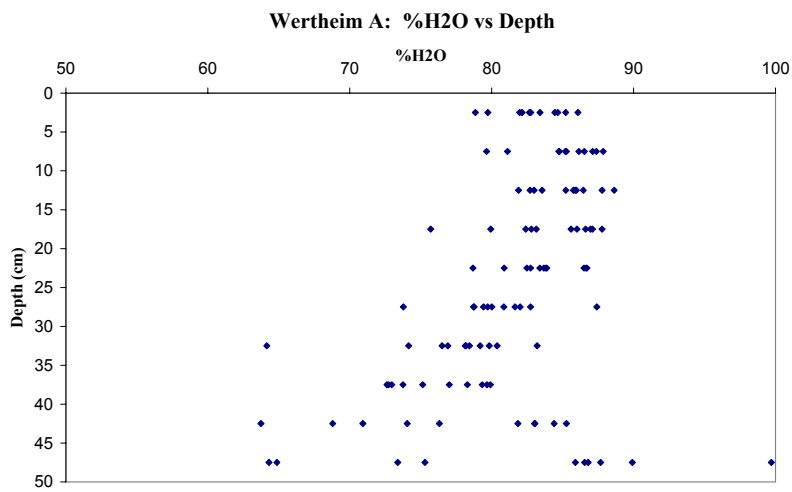
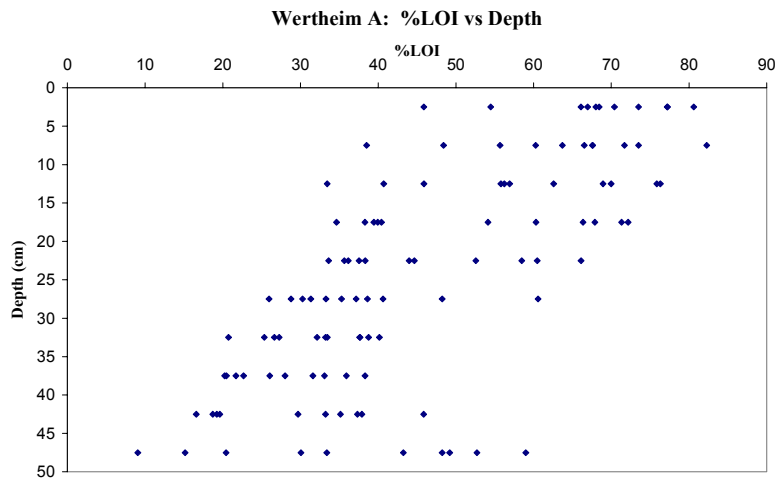
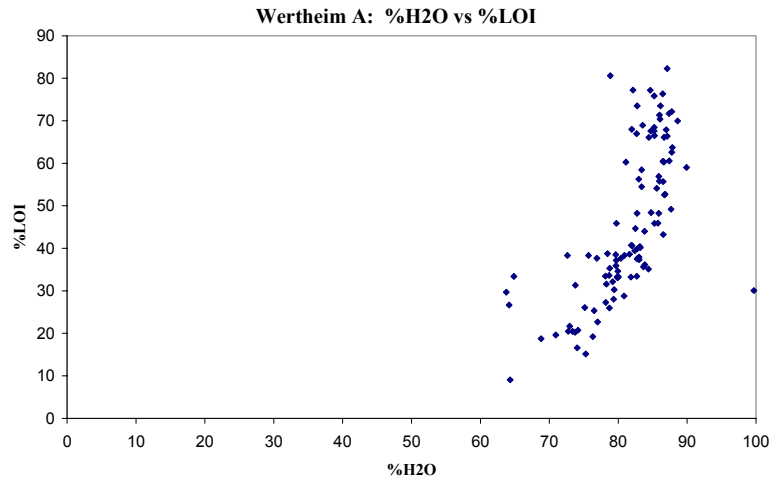


Figure 11: Transect WB Percent H₂O & Percent LOI Data

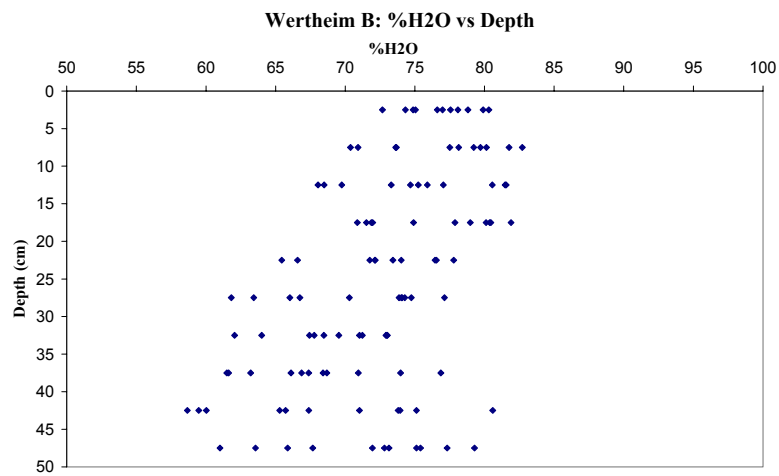
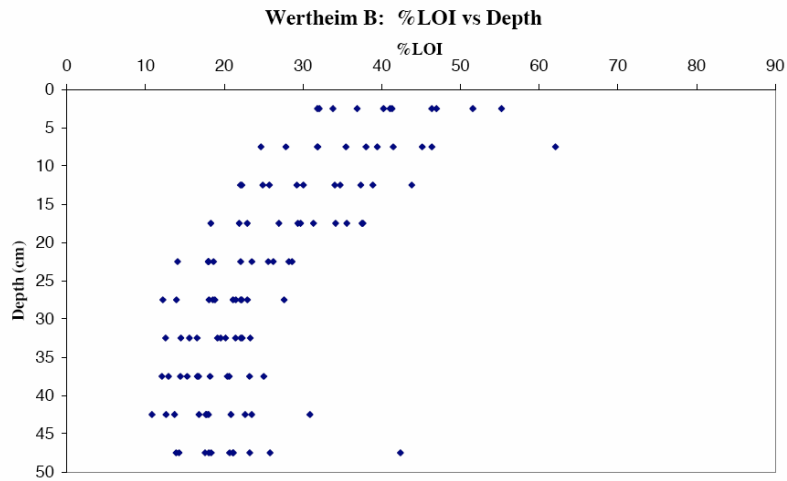
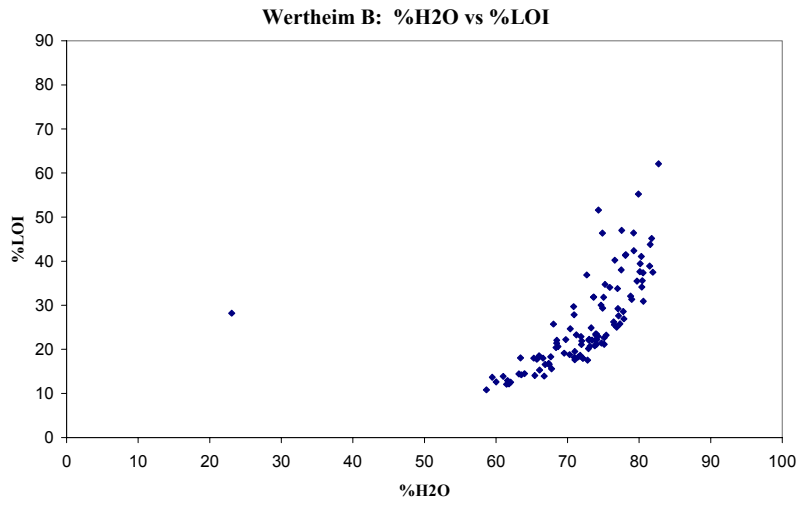


Figure 12: Transect SA Percent H₂O & Percent LOI Data

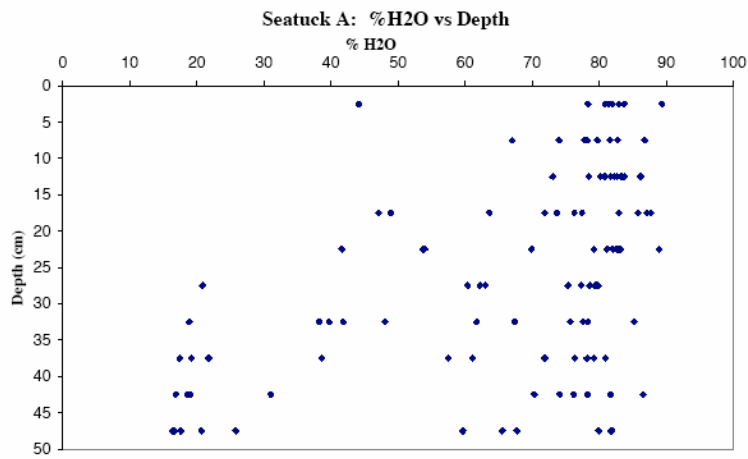
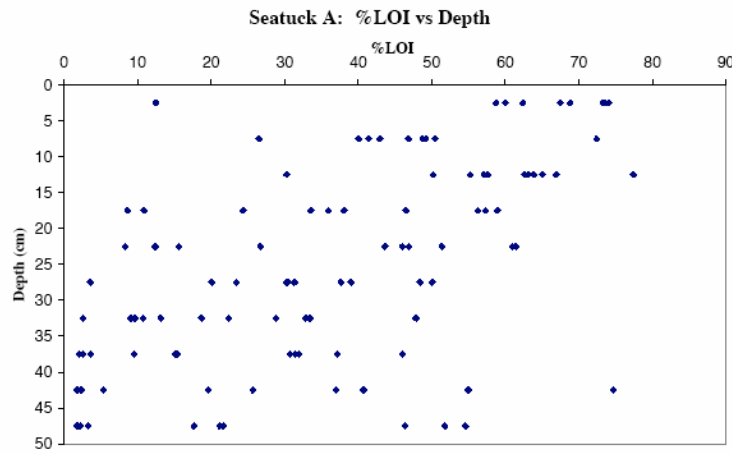
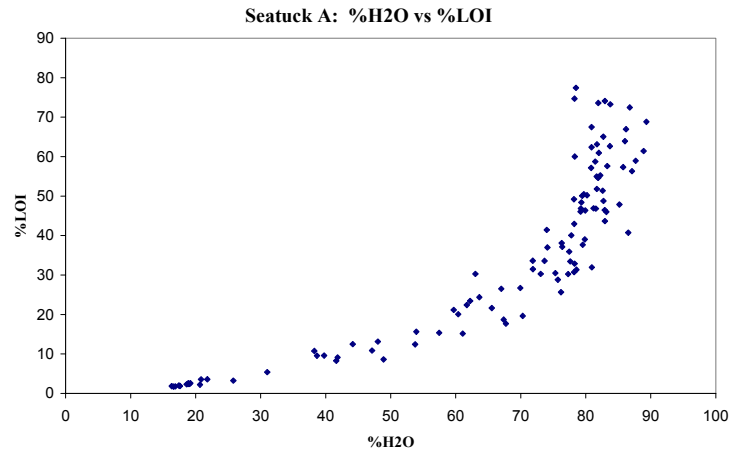


Figure 13: Transect SB Percent H₂O & Percent LOI Data

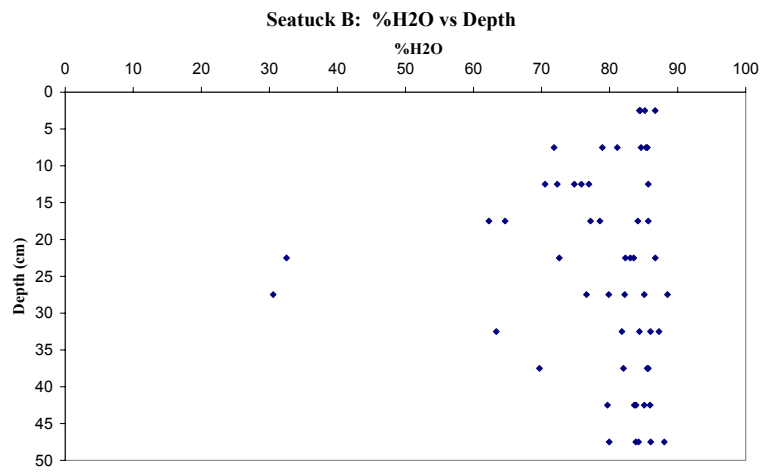
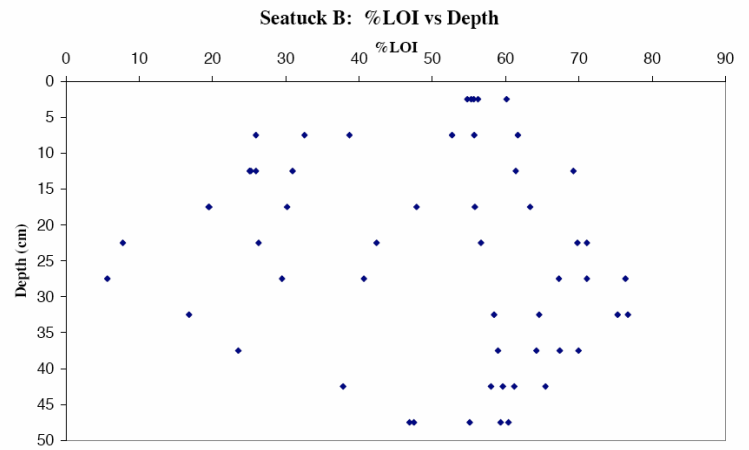
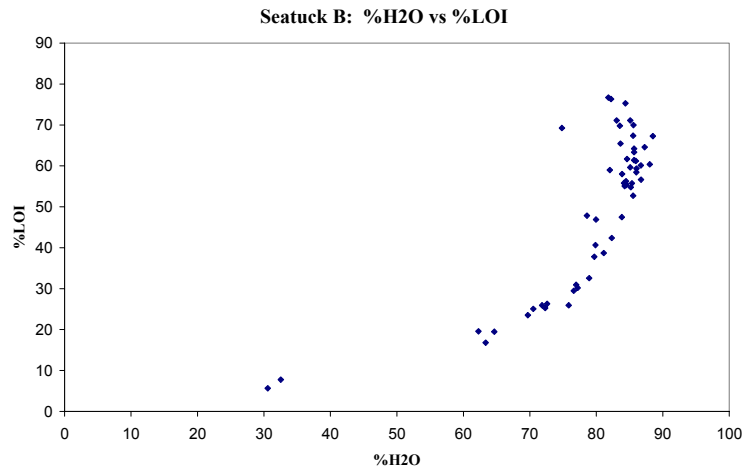


Figure 14: Transect SC Percent H₂O & Percent LOI Data

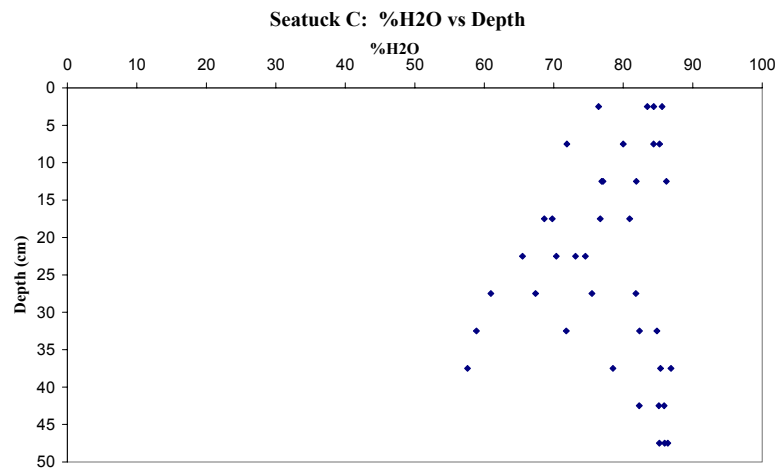
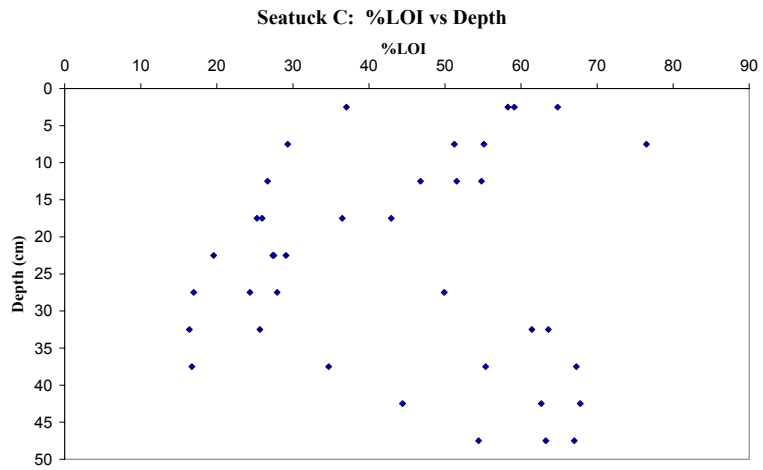
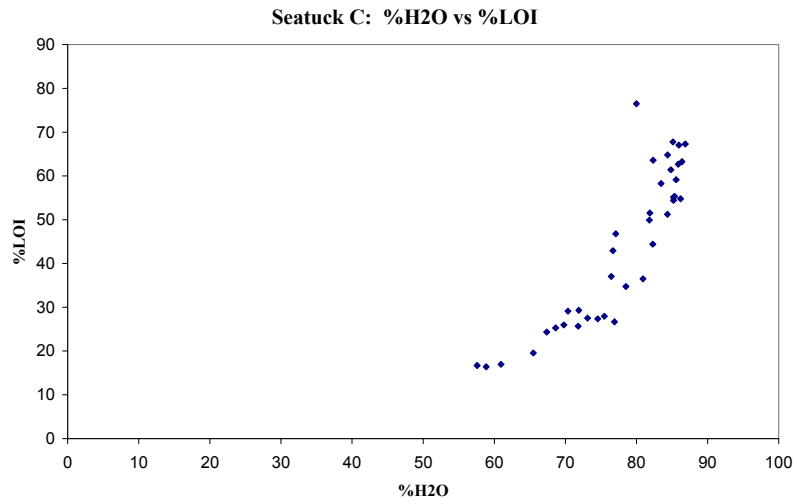


Figure 15a: Percent LOI vs Percent H₂O for Cores WA-A & WA-B

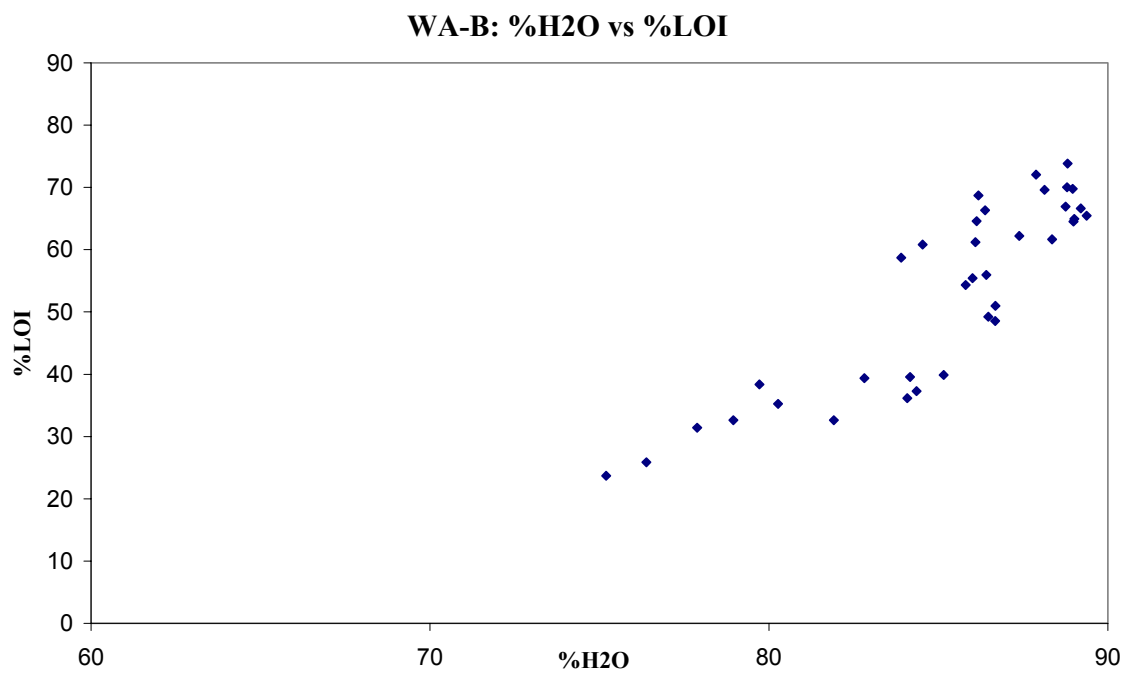
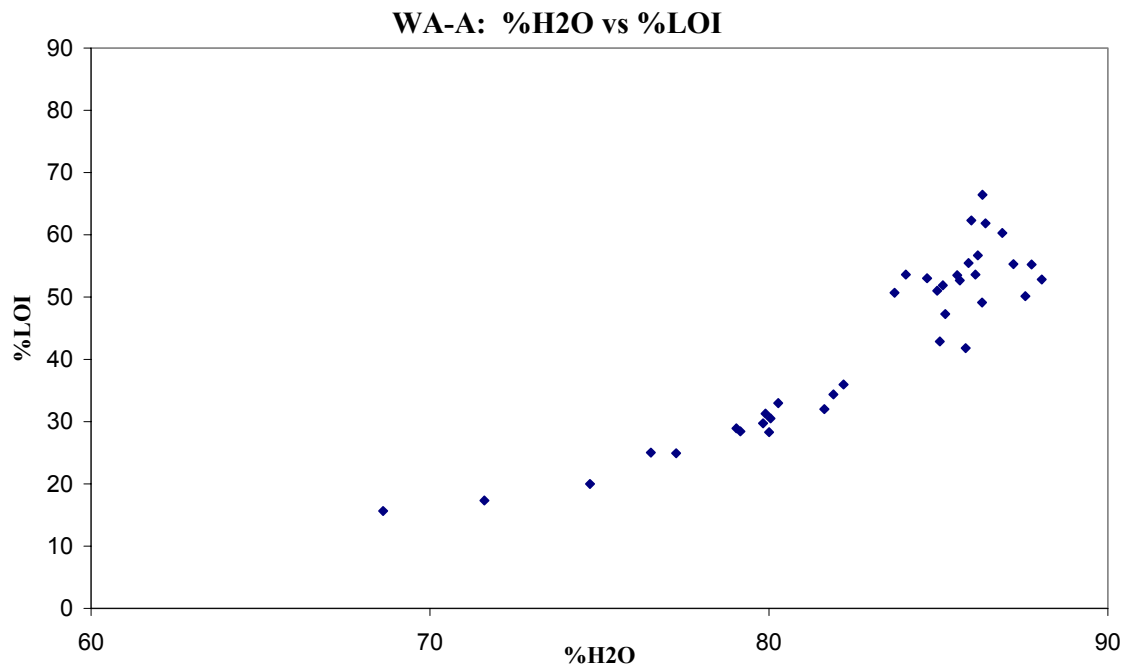


Figure 15b: Percent LOI vs Percent H₂O for Cores WB-A & WB-B

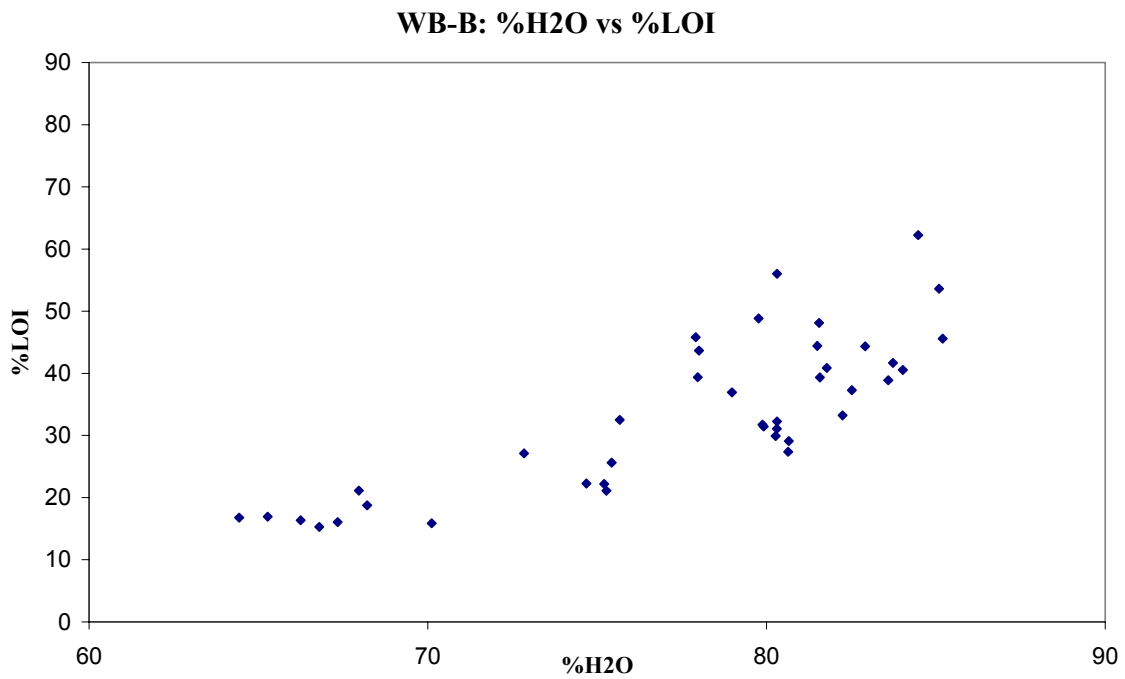
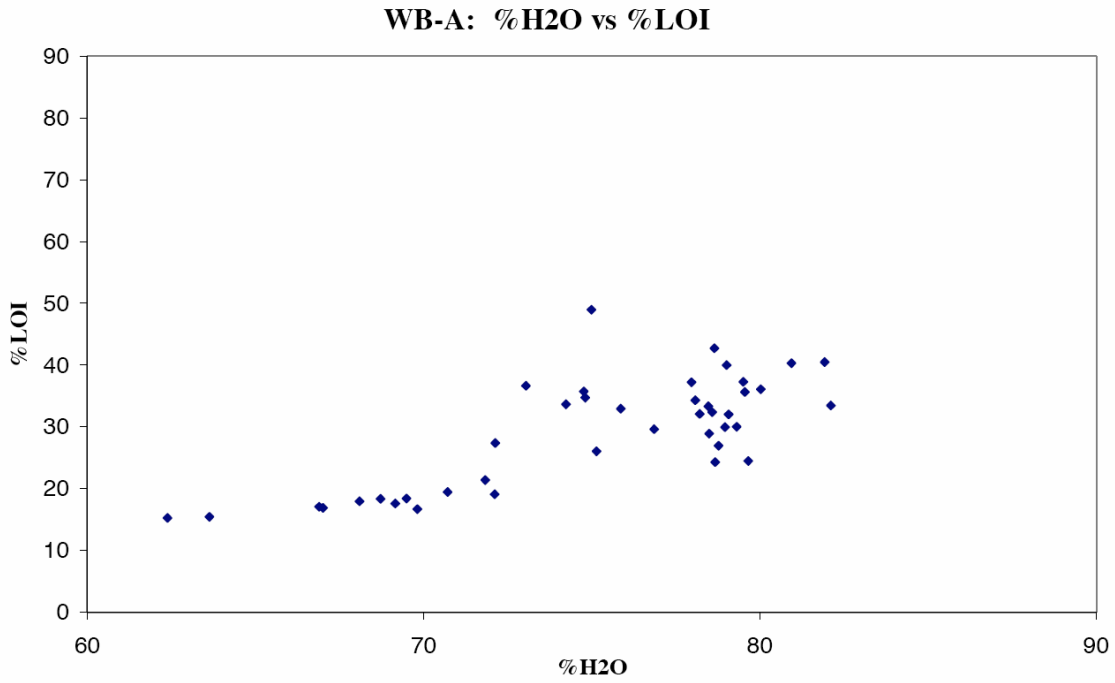


Figure 16a: Changes in Percent LOI with Depth for Cores WA-A & WA-B

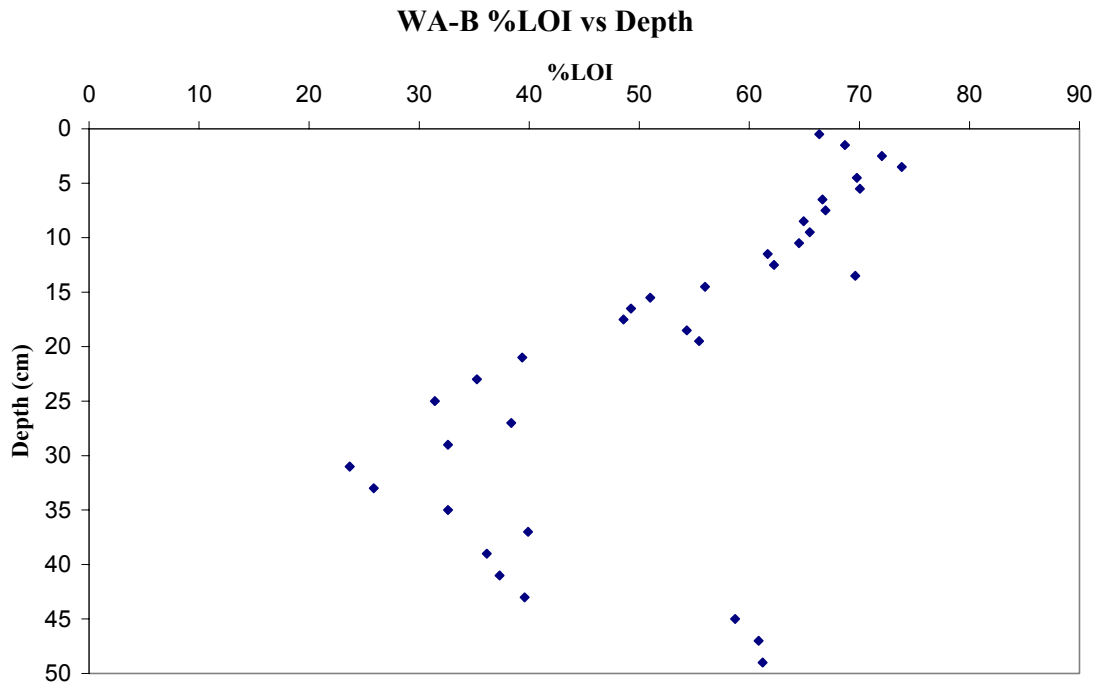
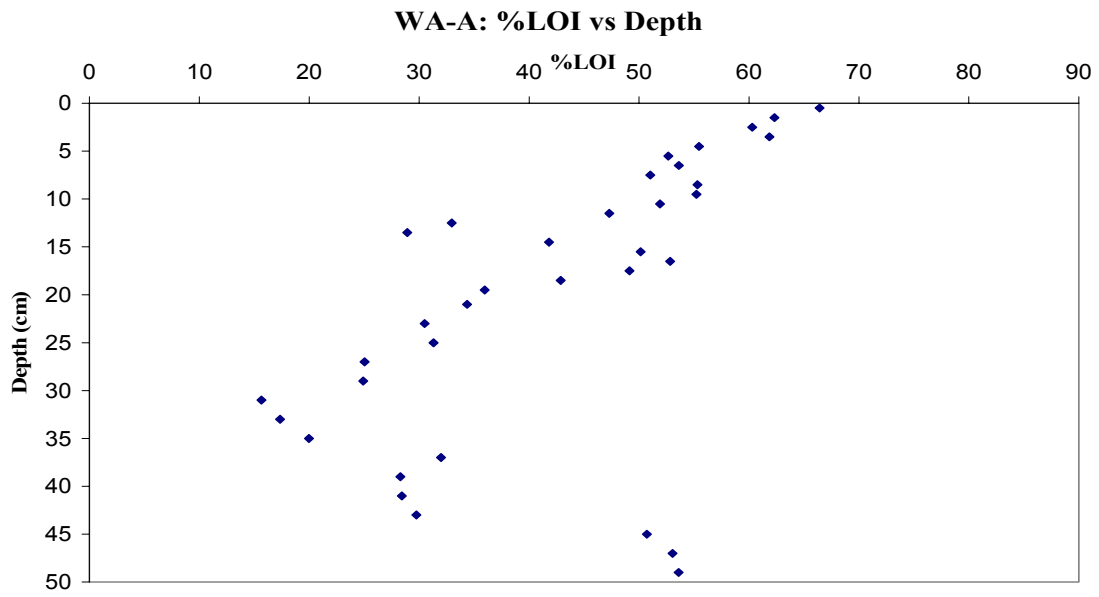


Figure 16b: Changes in Percent LOI with Depth for Cores WB-A & WB-B

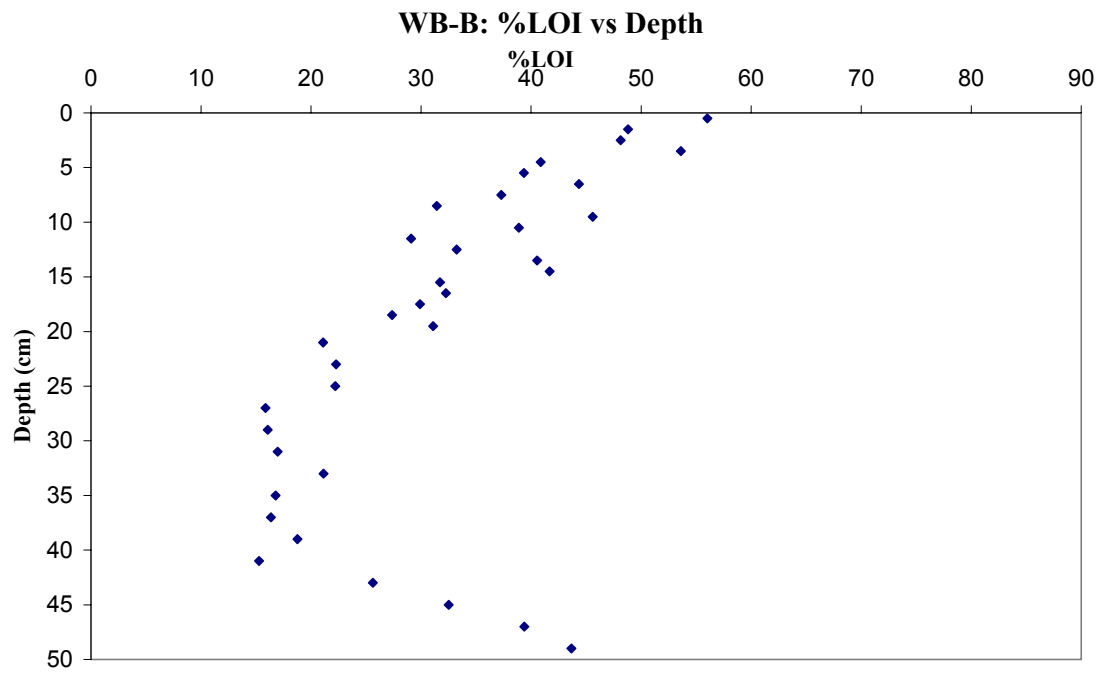
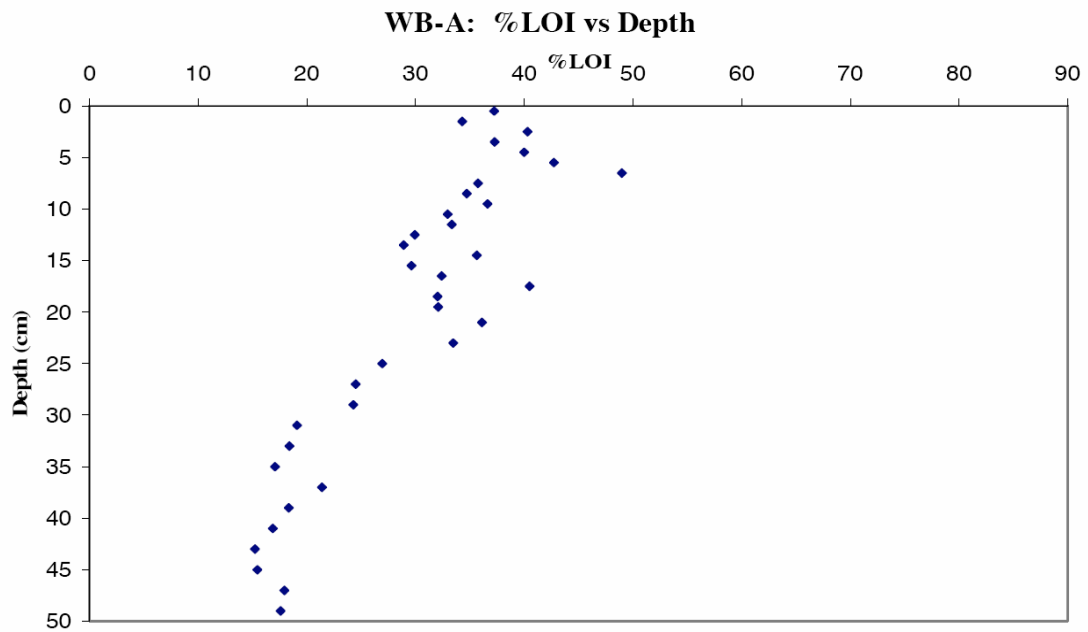


Figure 17a: Changes in Percent H₂O with Depth for Cores WA-A & WA-B

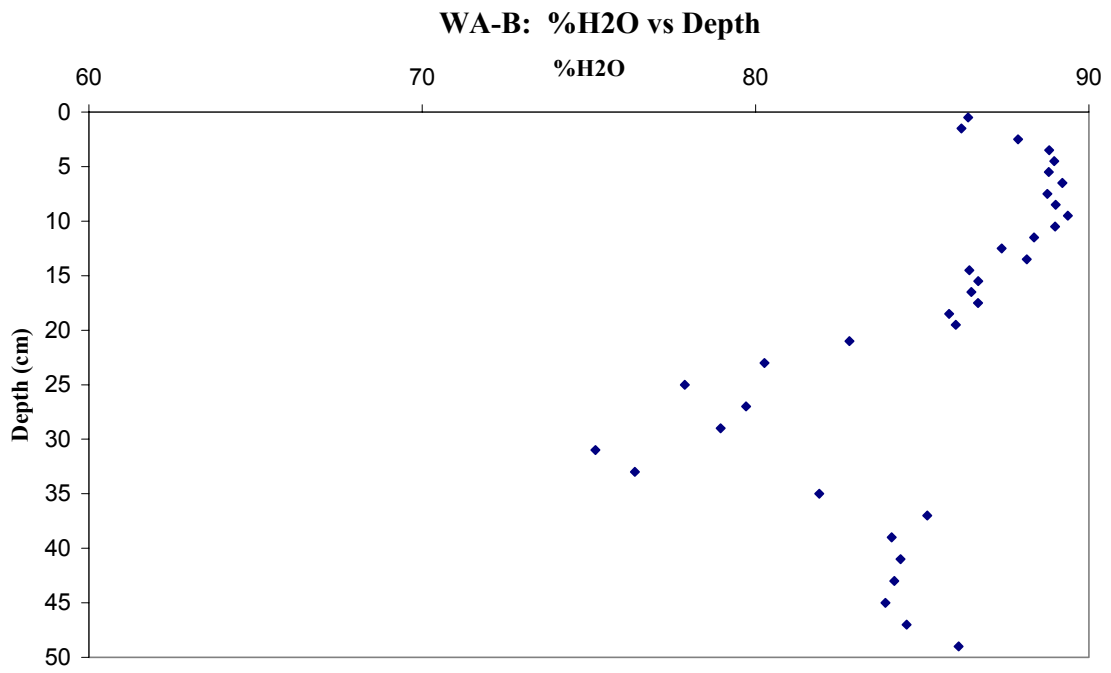
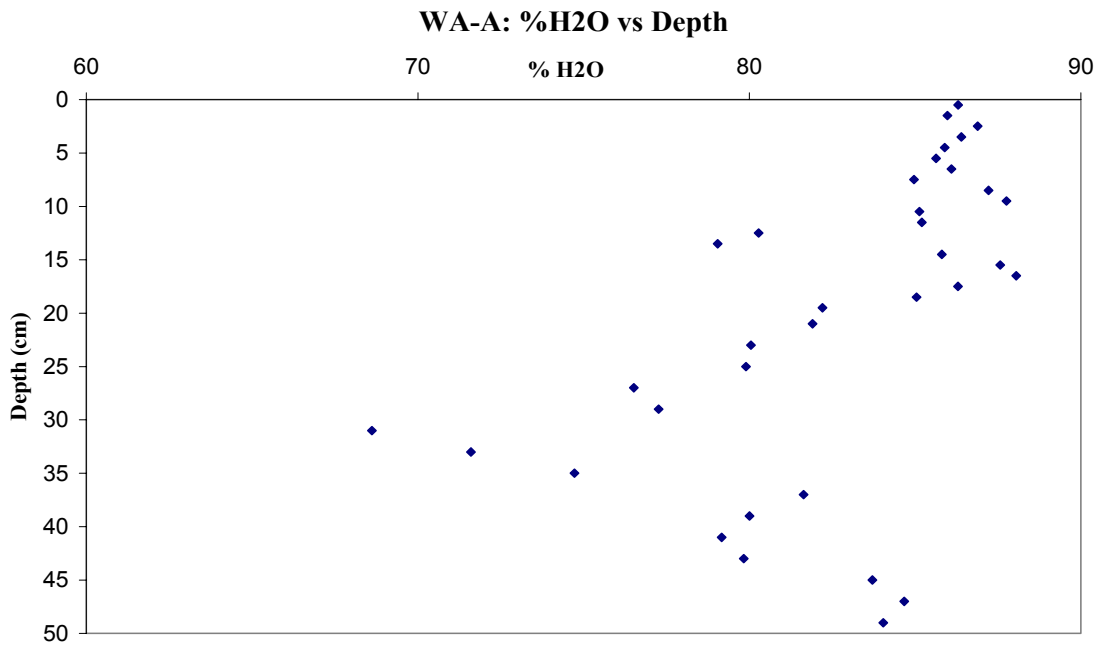


Figure 17b: Changes in Percent H₂O with Depth for Cores WB-A & WB-B

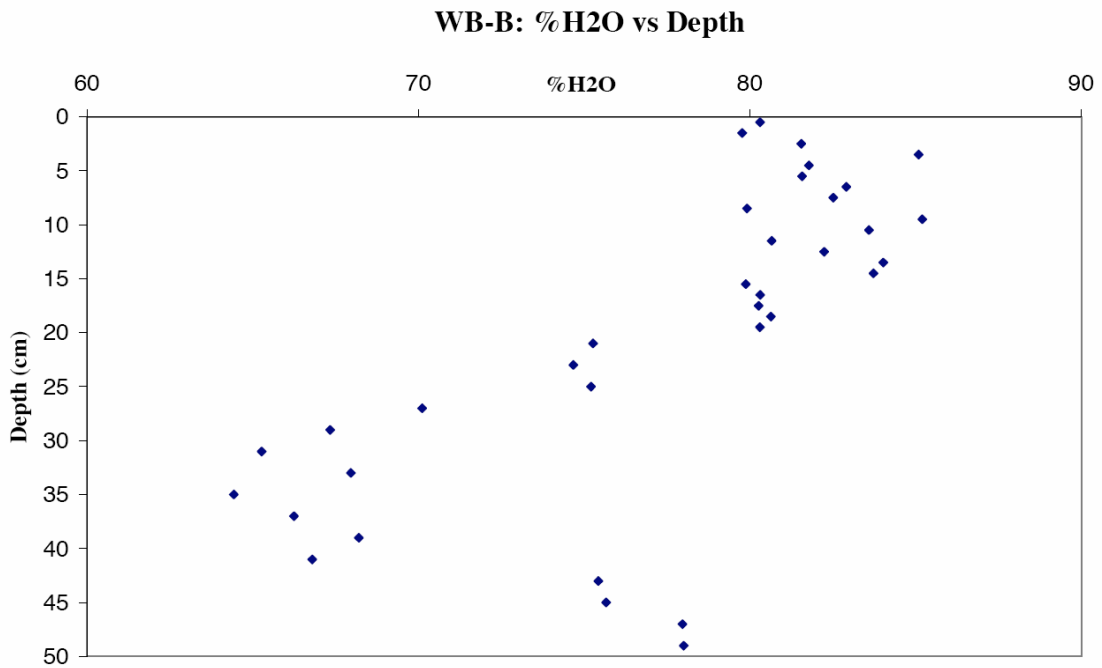
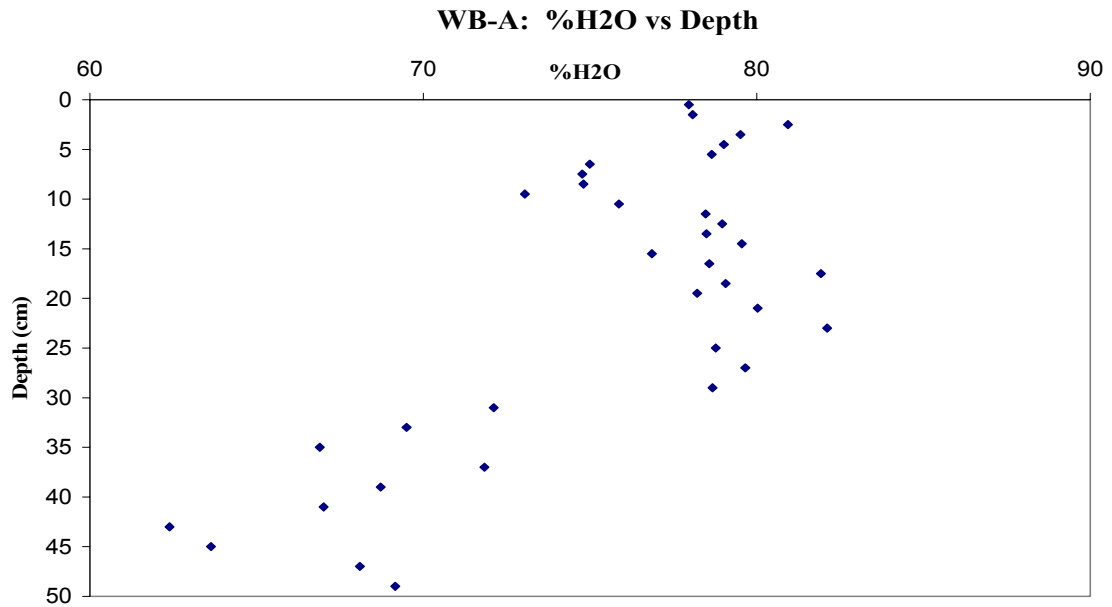


Figure 18: Percent LOI vs Percent H₂O for Cores SA-A & SA-B

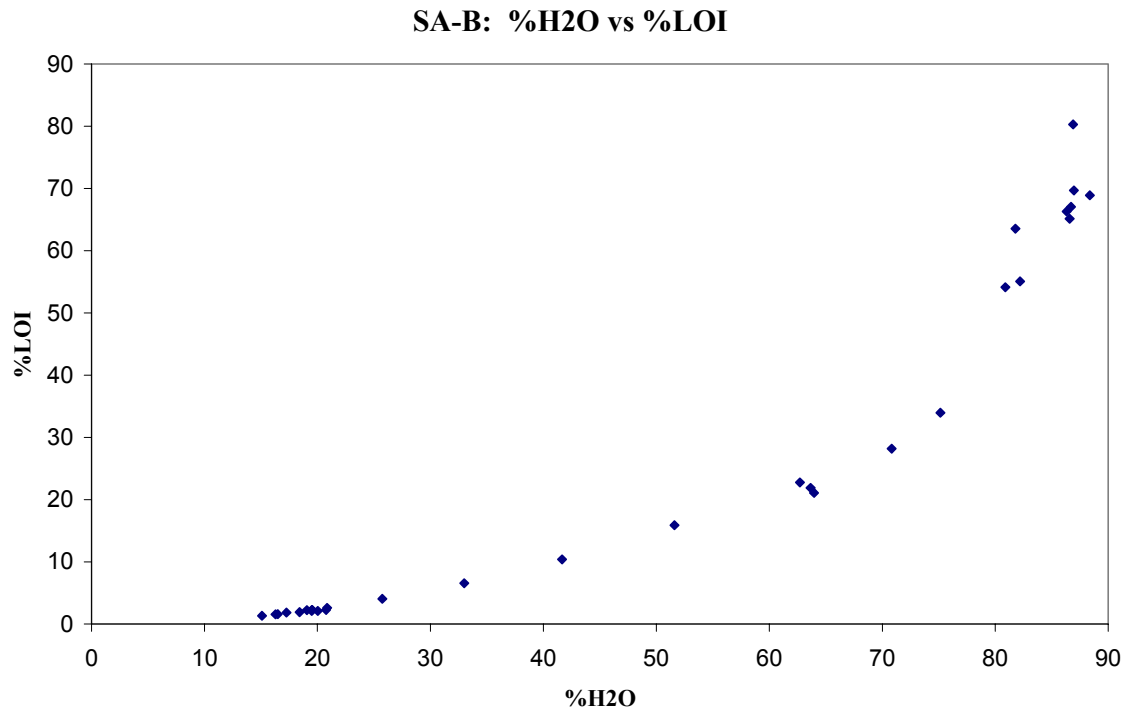
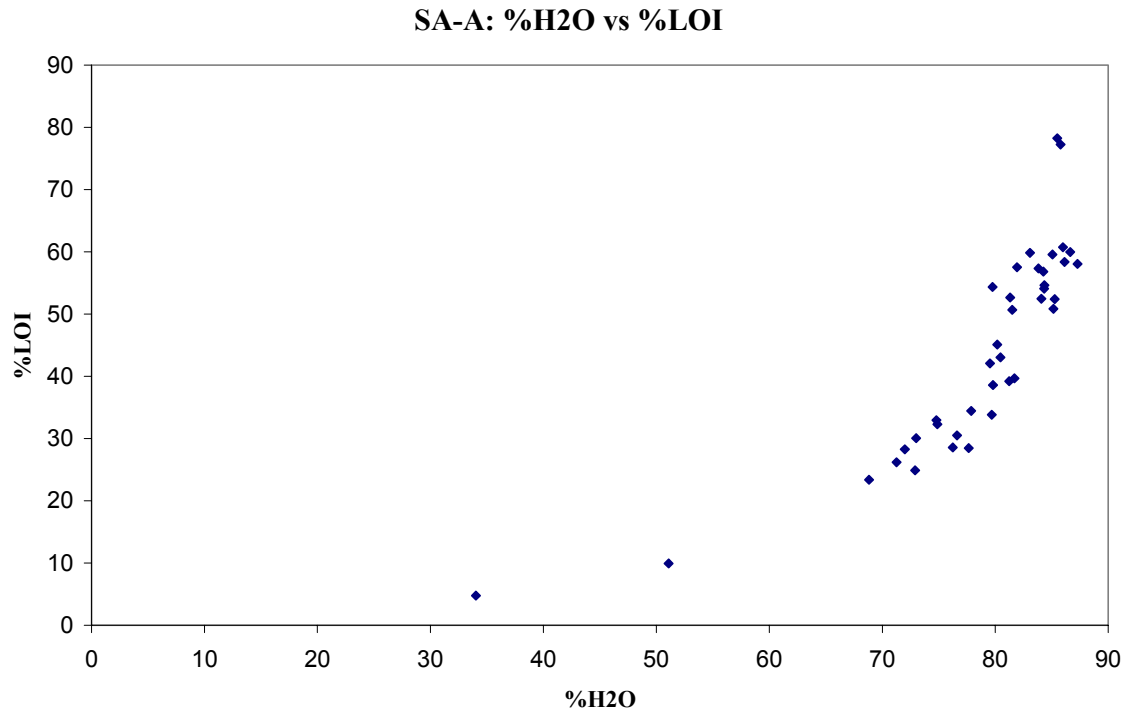


Figure 19: Changes in Percent LOI with Depth for Cores SA-A & SA-B

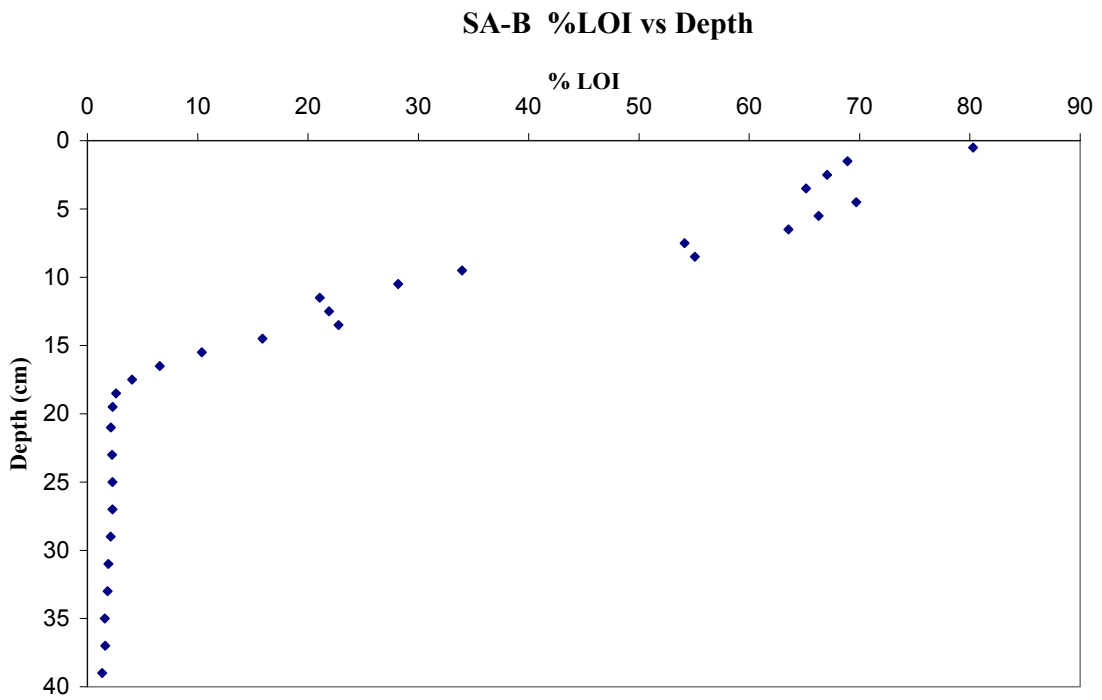
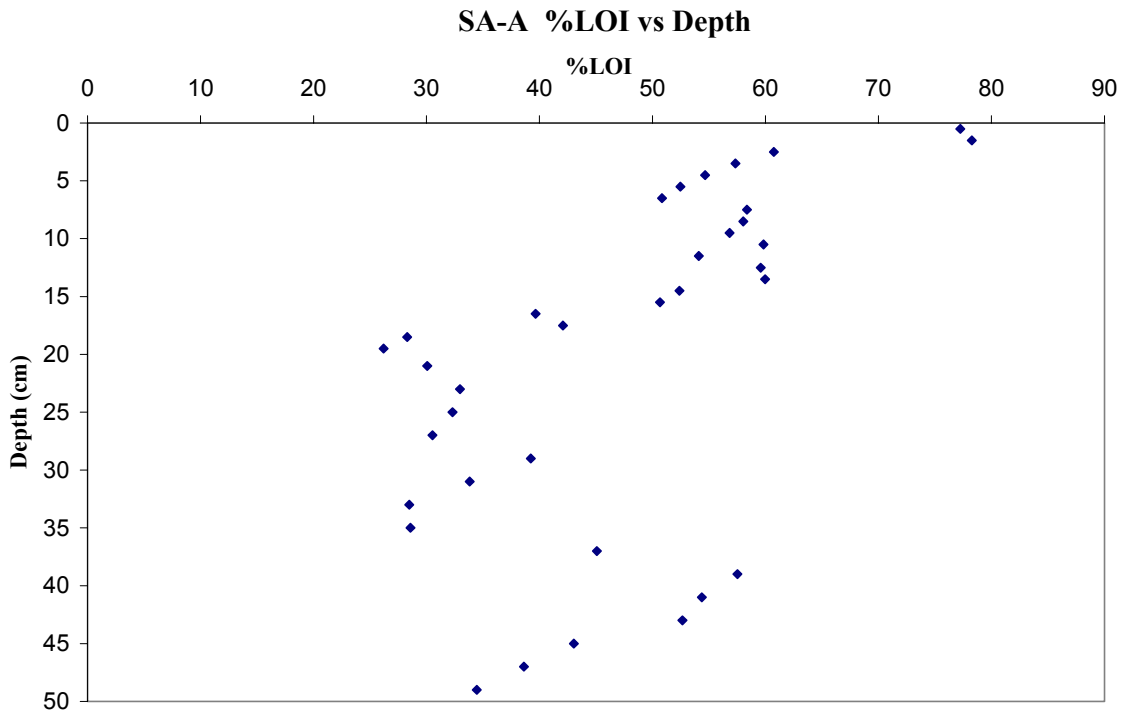


Figure 20: Changes in Percent H₂O with Depth for Cores SA-A & SA-B

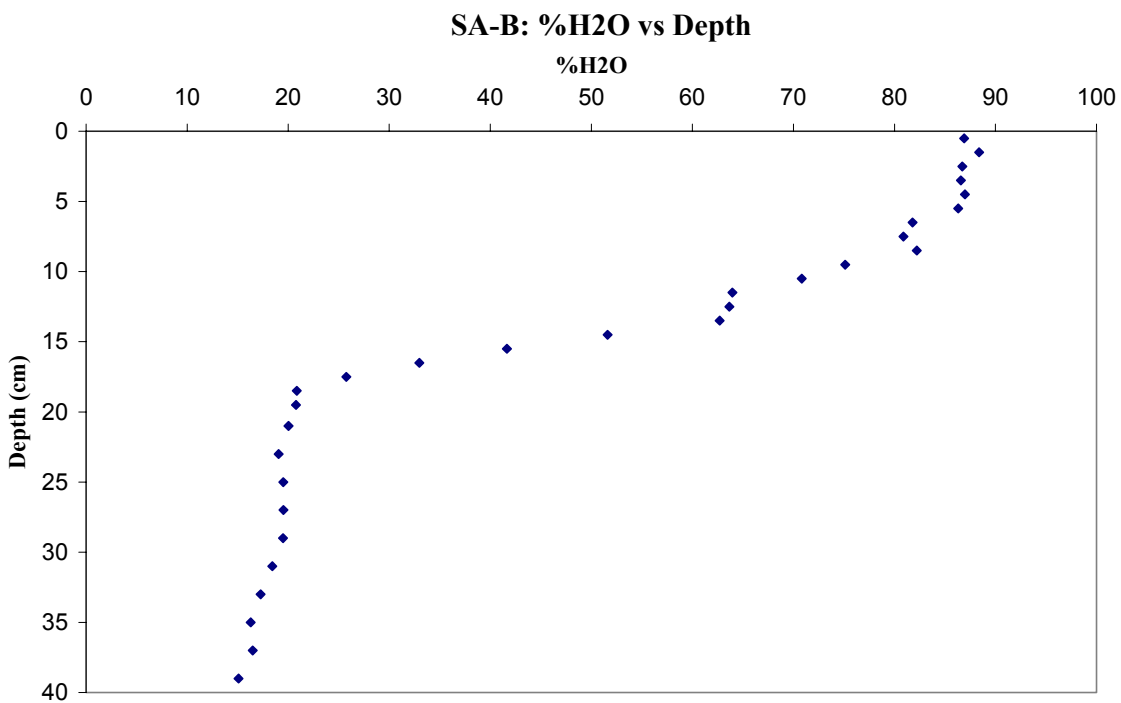
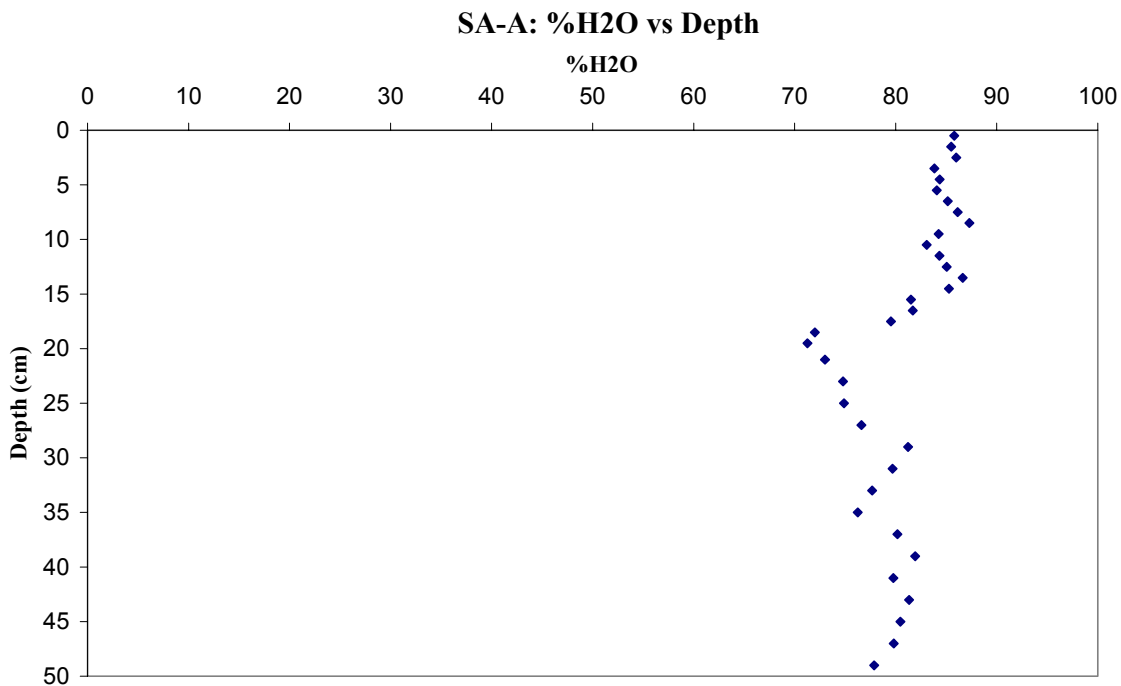


Figure 21a: Organic to Mineral Fraction Ratio for Cores WA-A & WA-B

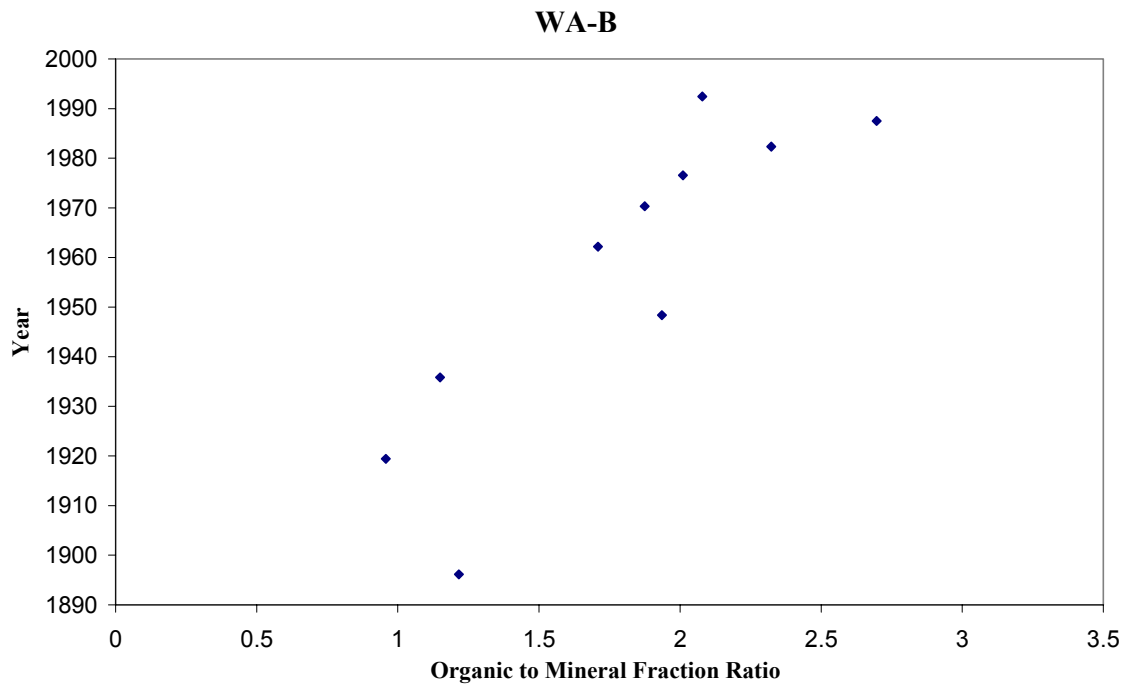
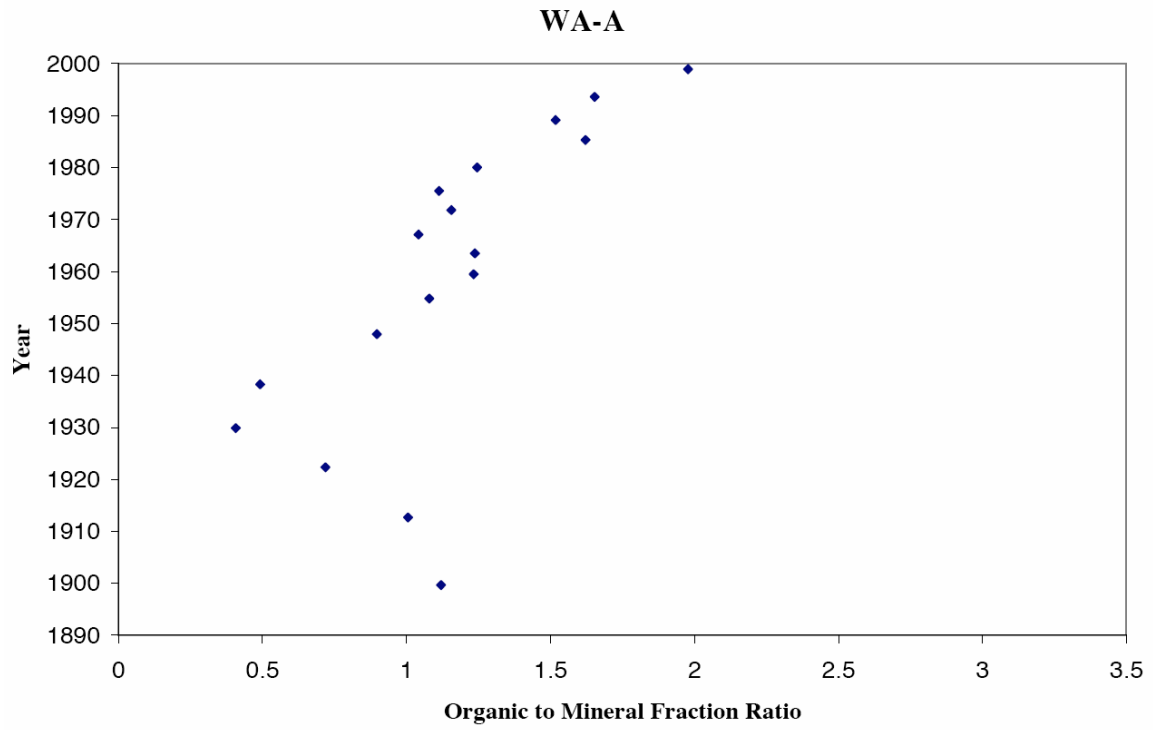


Figure 21b: Organic to Mineral Fraction Ratio for Cores WB-A & WB-B

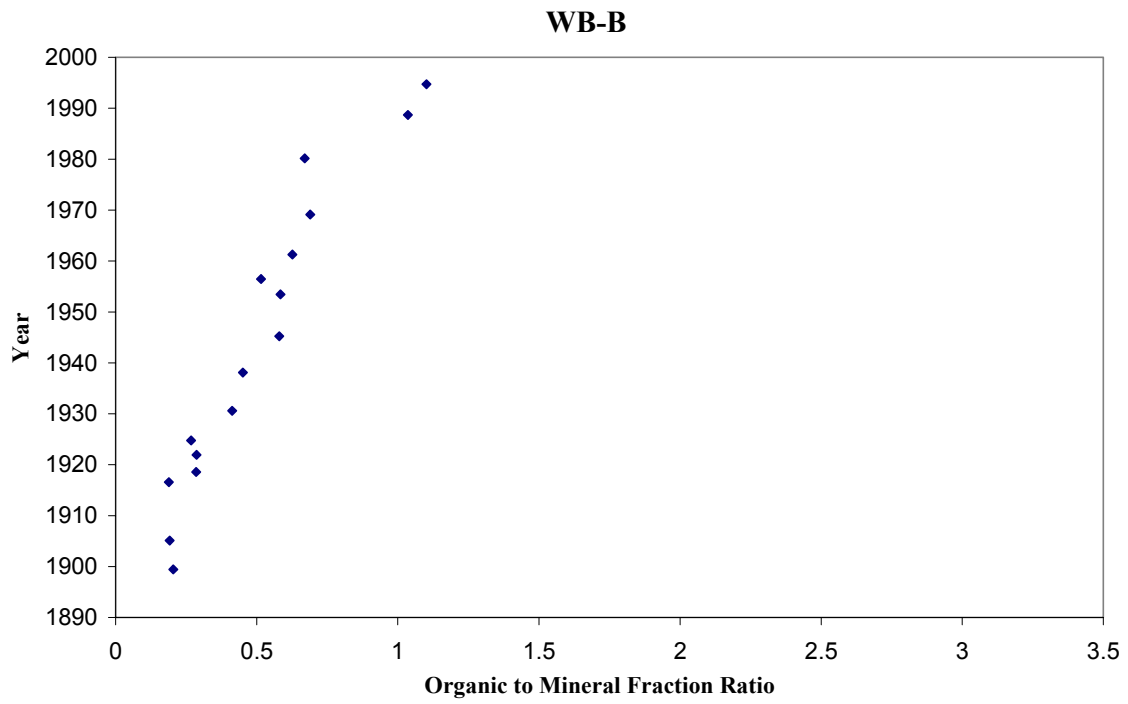
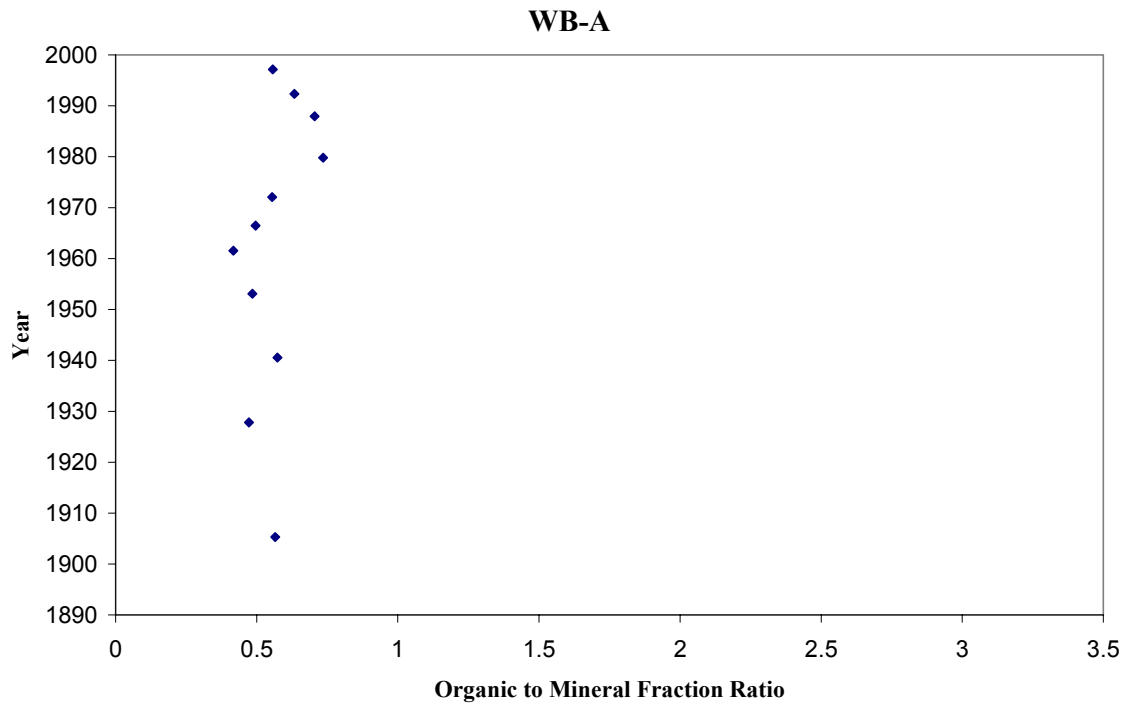


Figure 21c: Organic to Mineral Fraction Ratio for Cores SA-A & SA-B

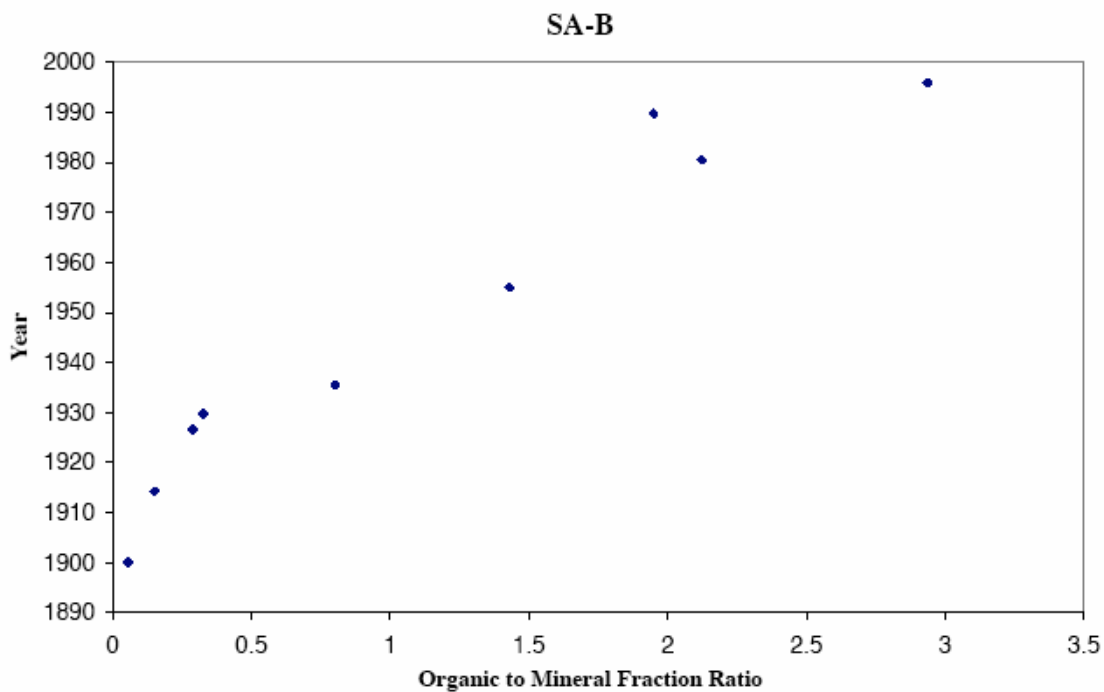
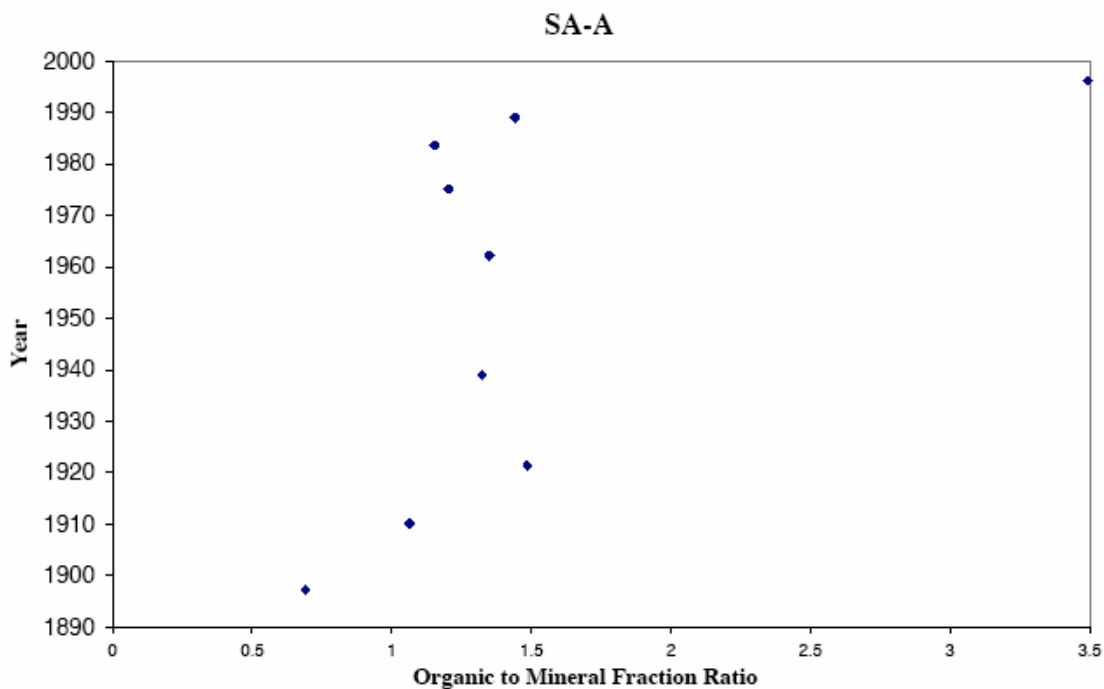


Figure 22a: Excess ^{210}Pb Activity for Cores WA-A & WA-B

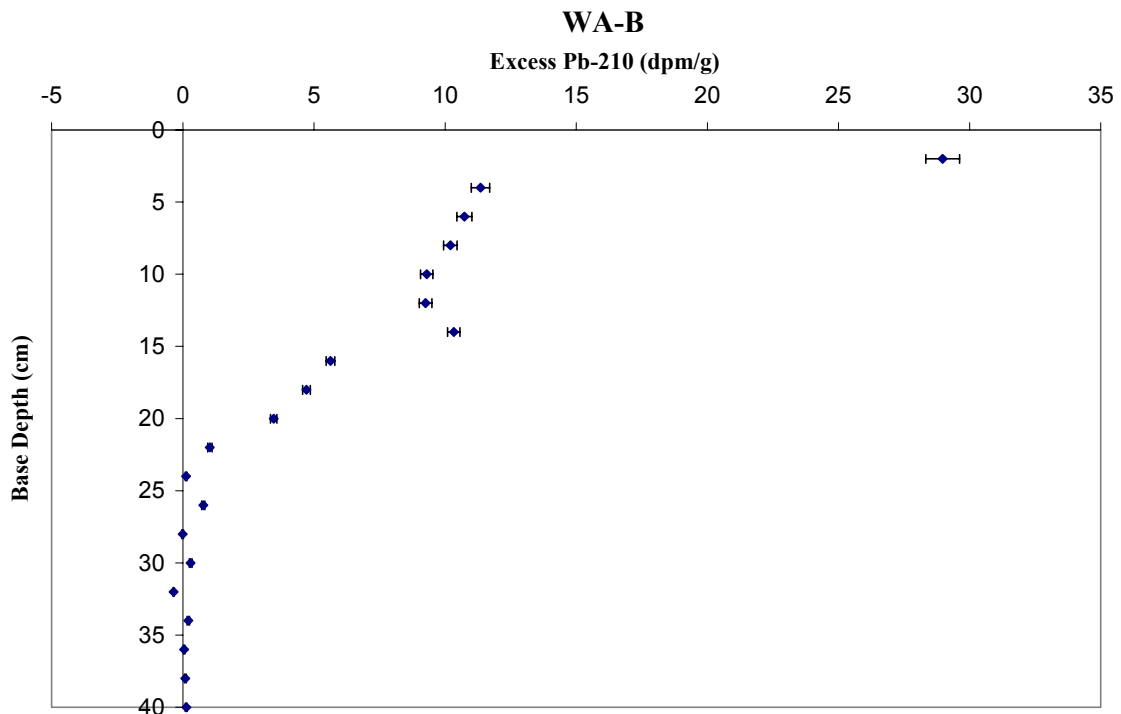
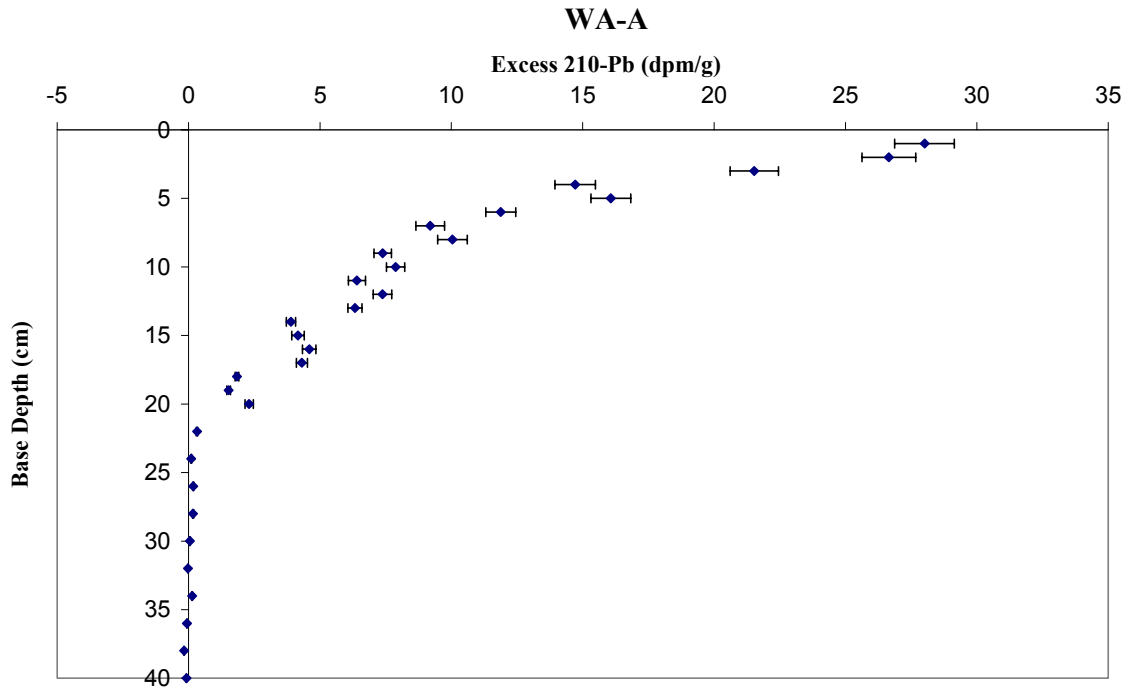


Figure 22b: Excess ^{210}Pb Activity for Cores WB-A & WB-B

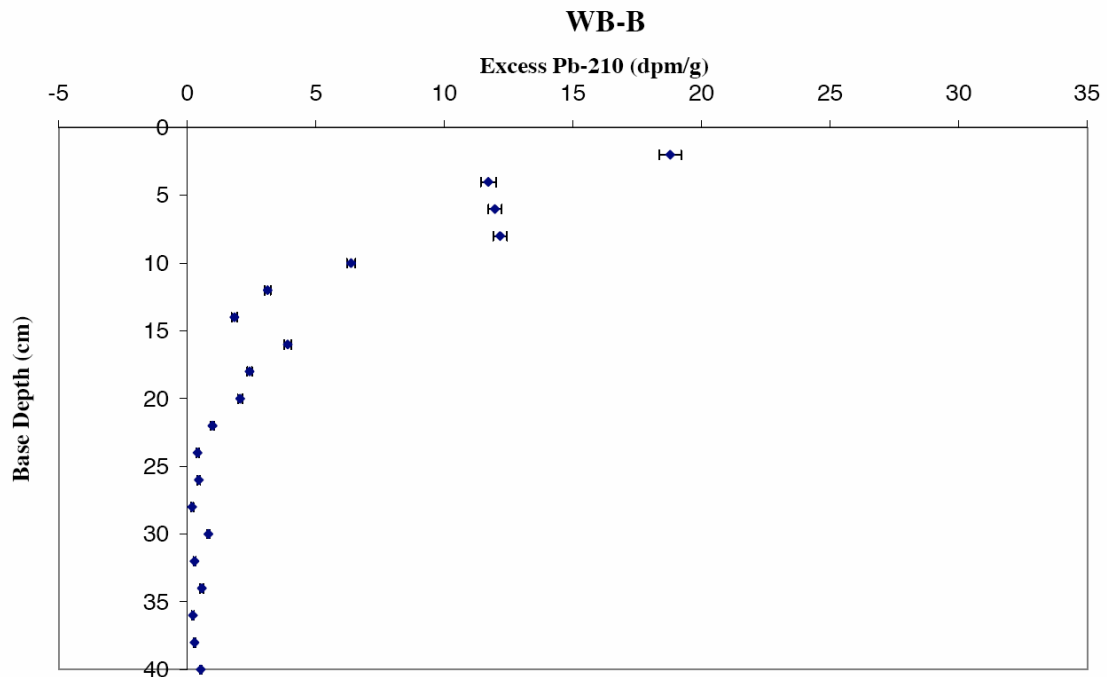
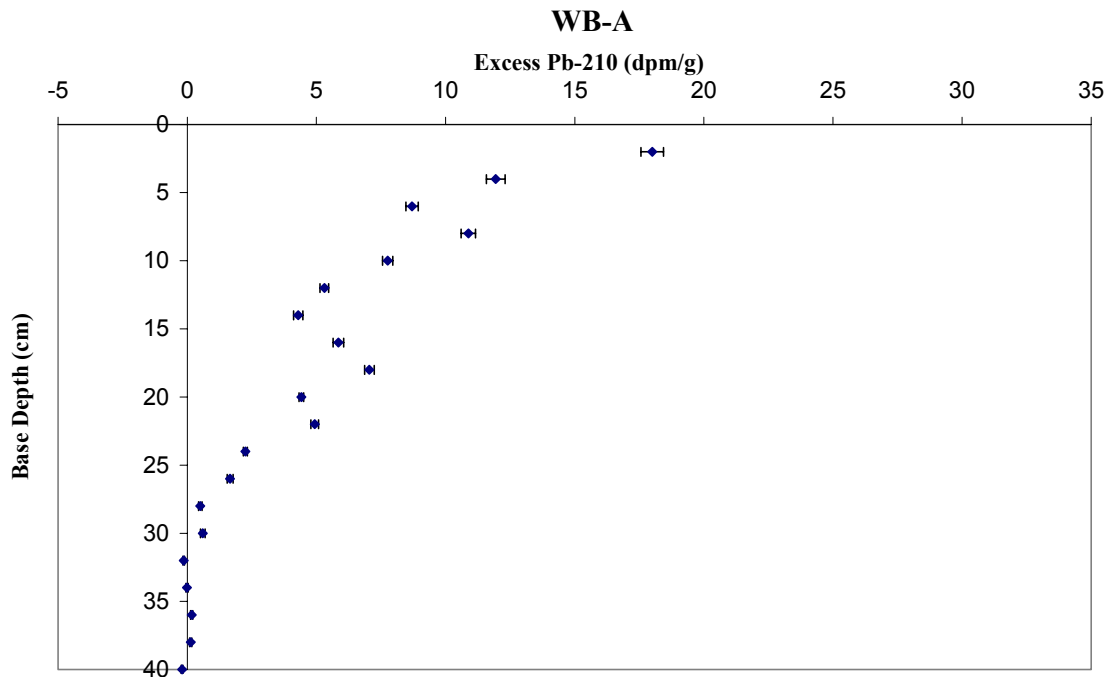


Figure 22c: Excess ^{210}Pb Activity for Cores SA-A & SA-B

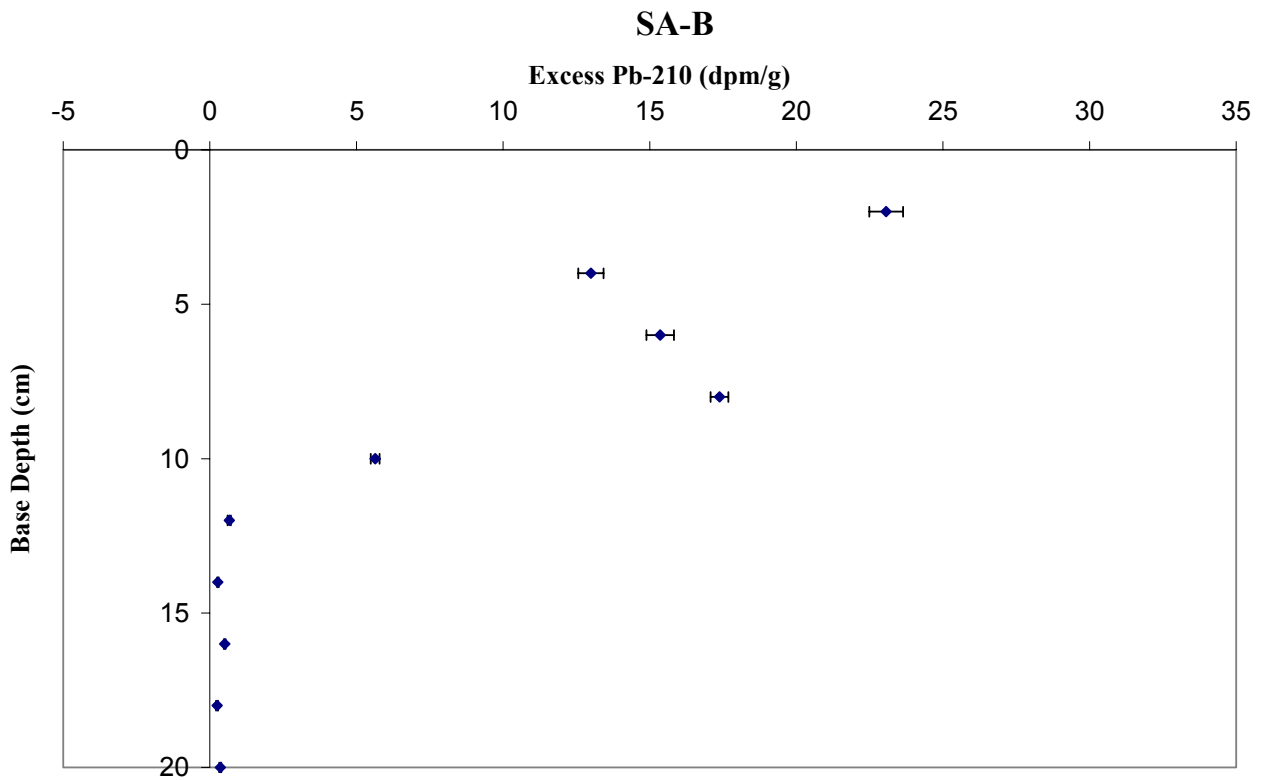
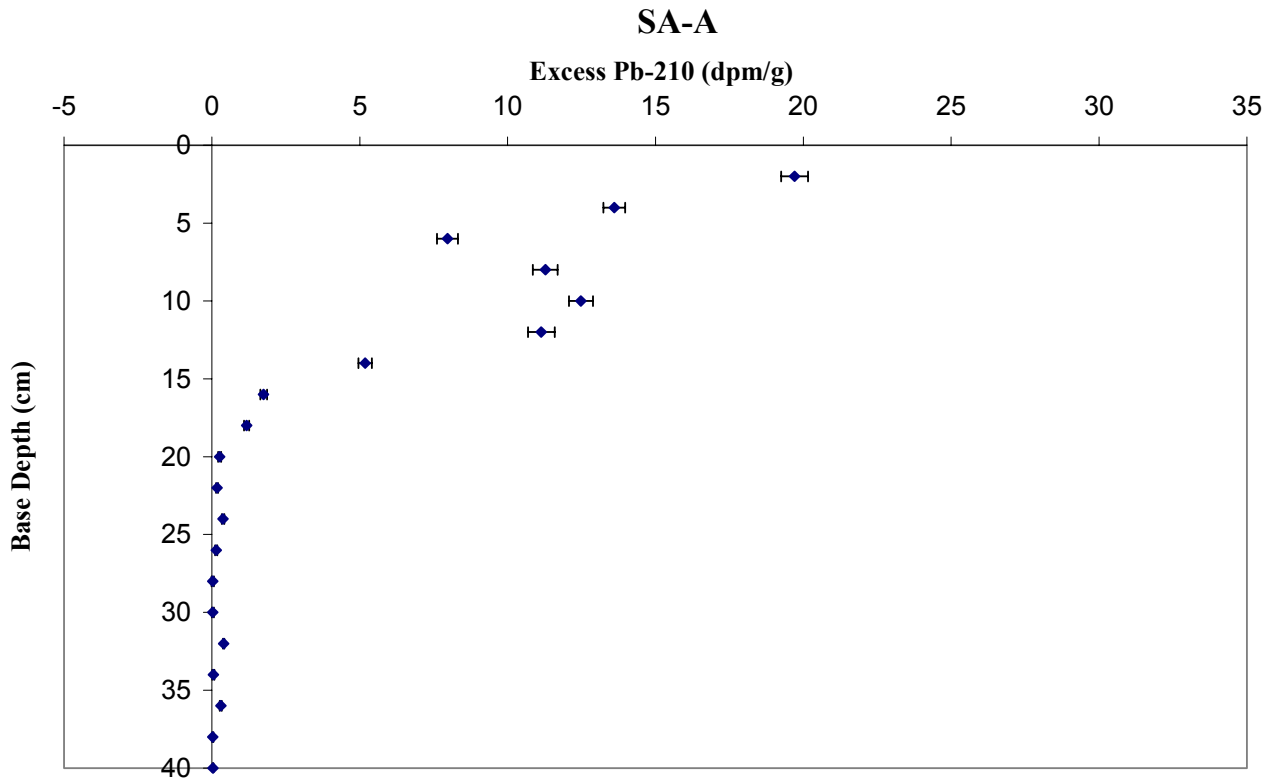


Figure 23a: Sediment Ages Derived from ^{210}Pb Activity for Cores WA-A & WA-B

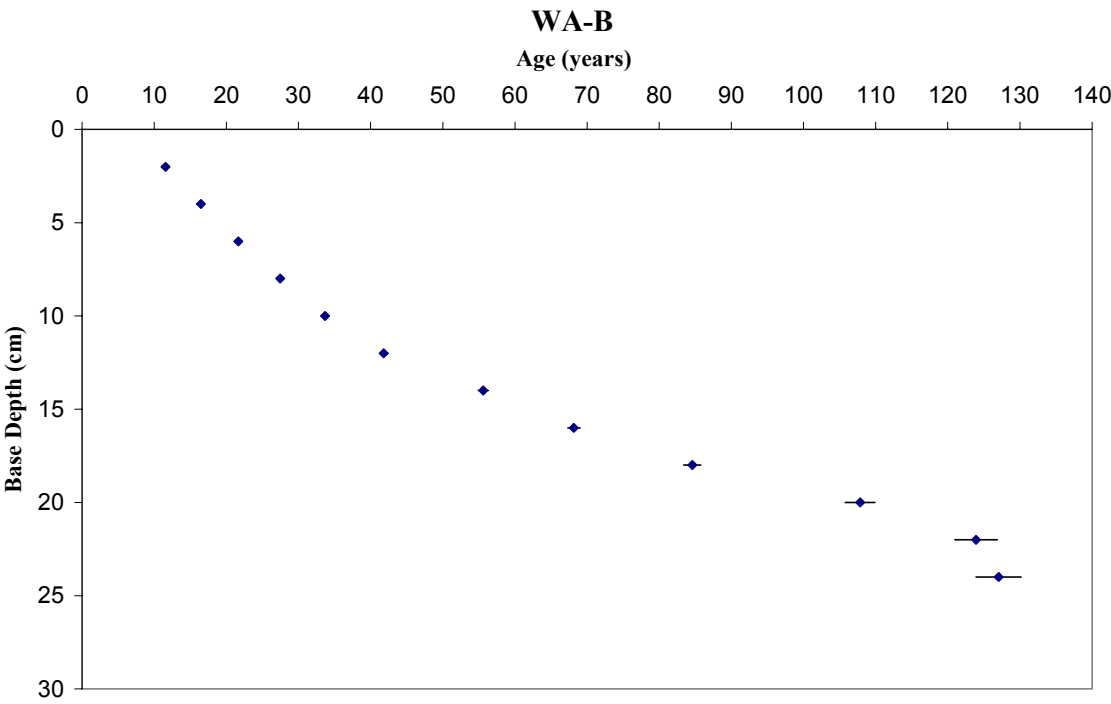
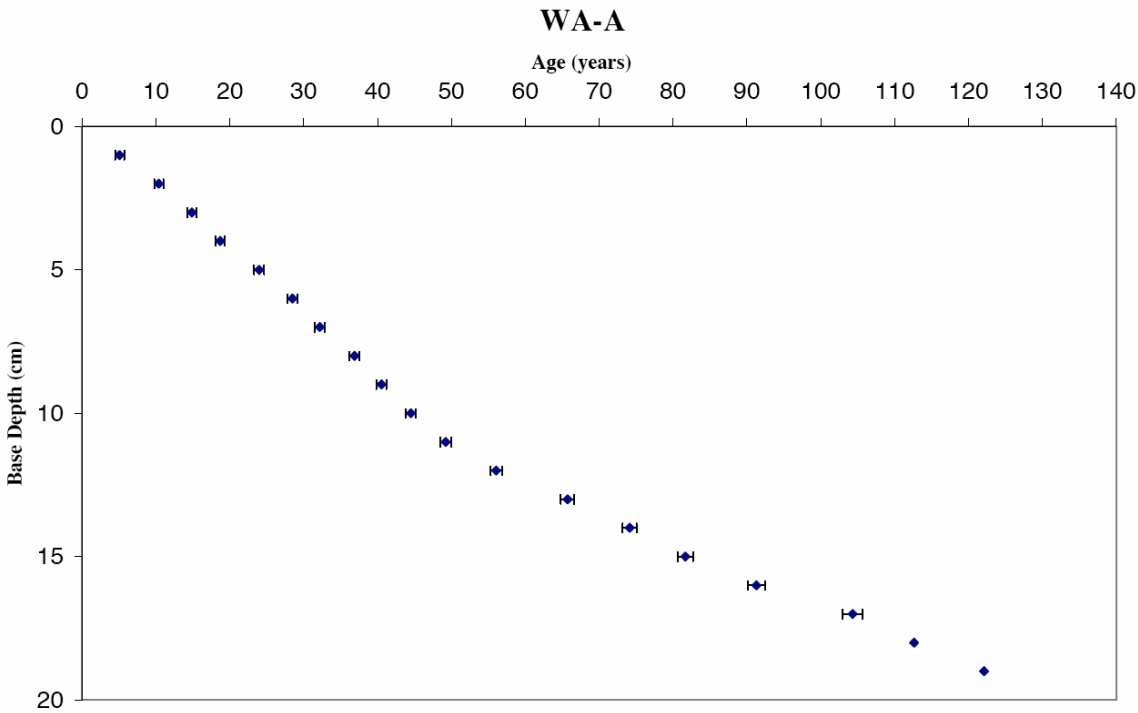


Figure 23b: Sediment Ages Derived from ^{210}Pb Activity for Cores WB-A & WB-B

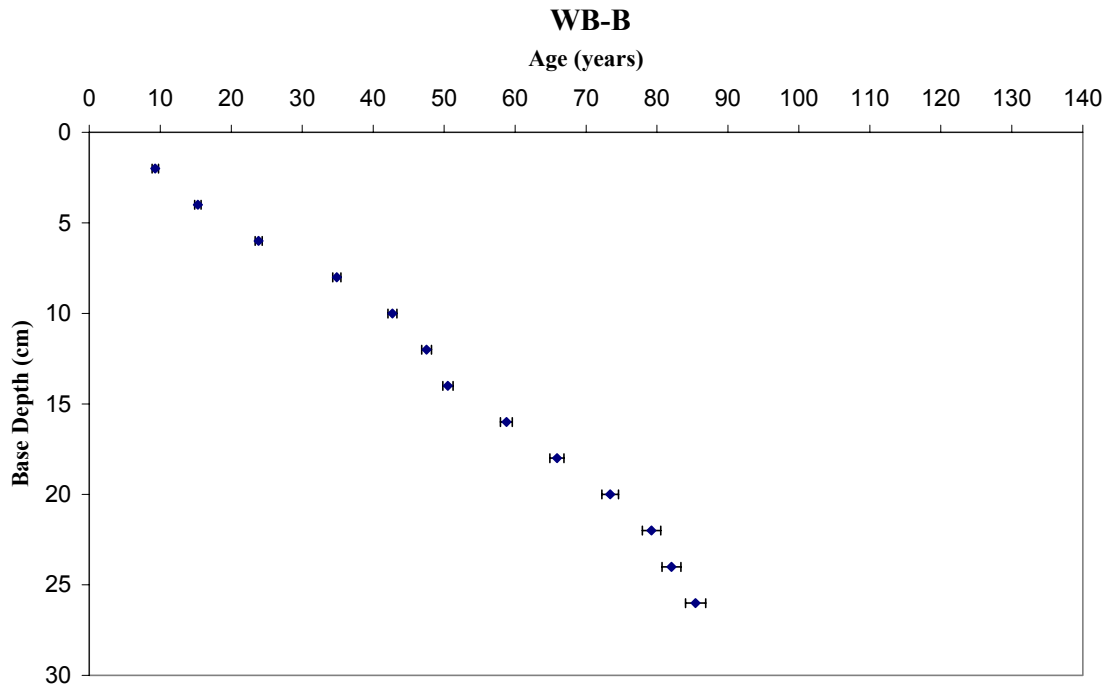
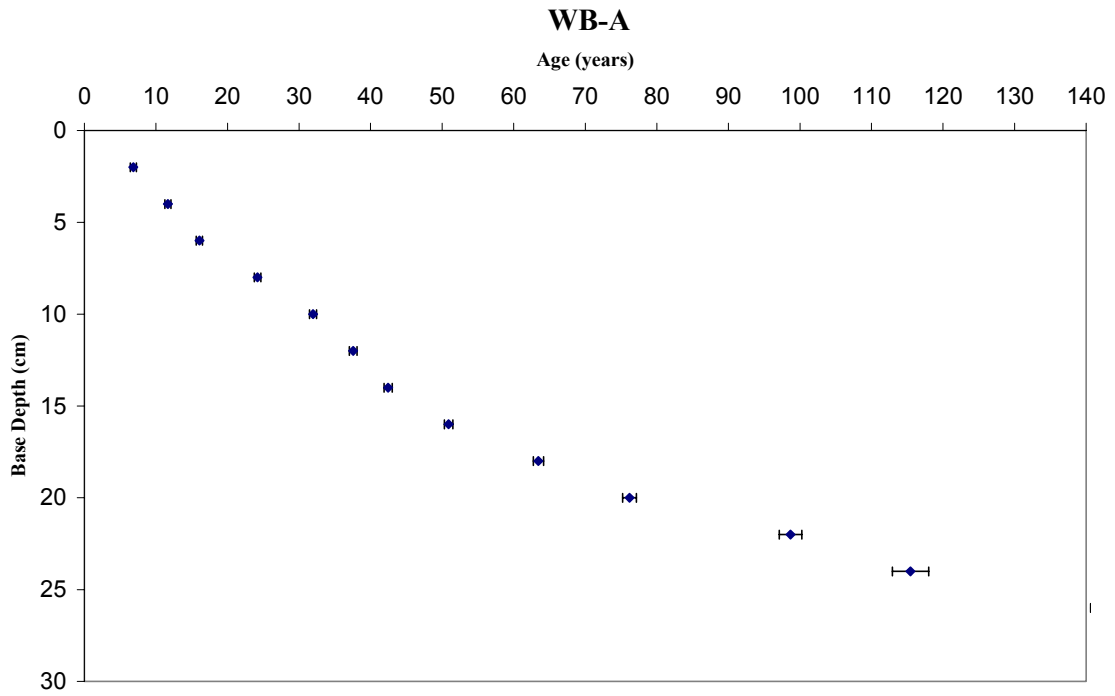
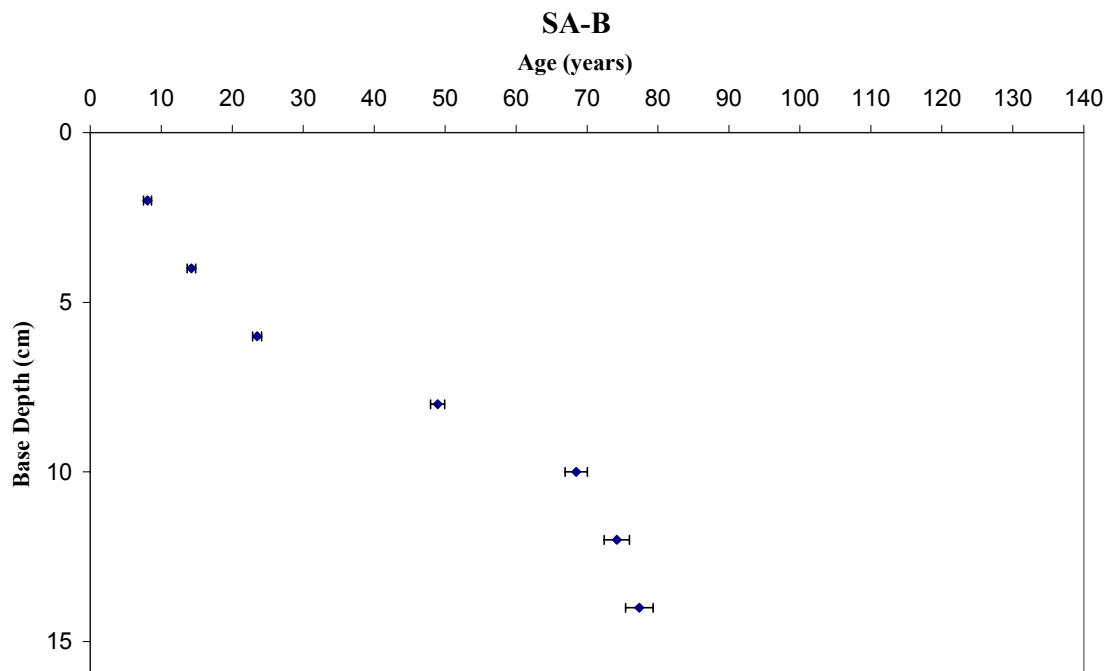
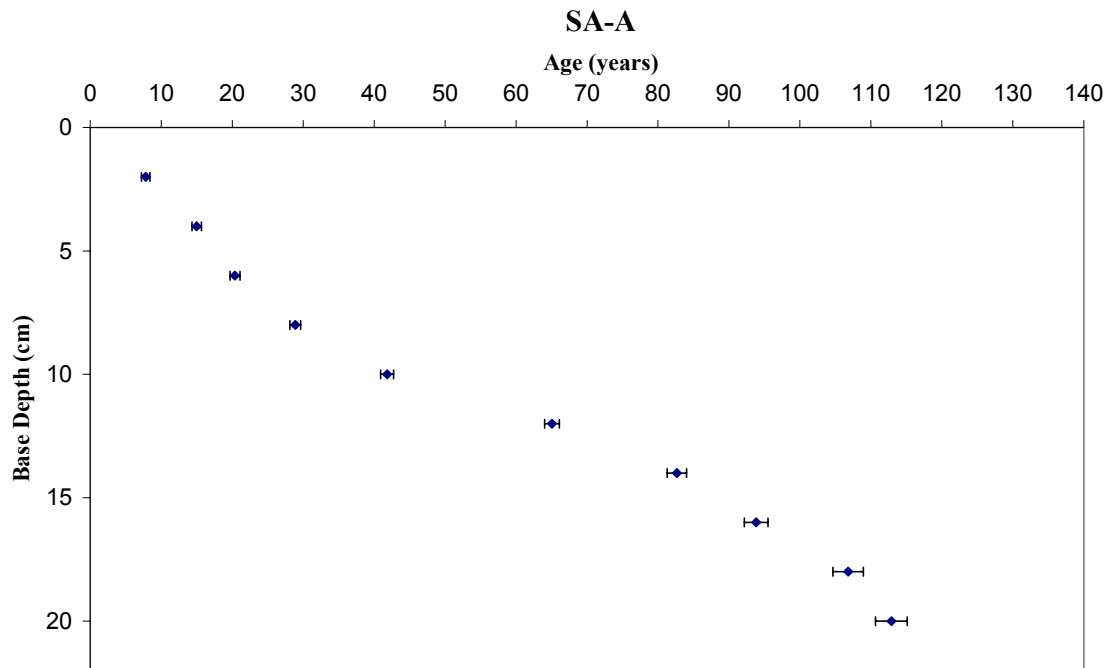


Figure 23c: Sediment Ages Derived from ^{210}Pb Activity for Cores SA-A & SA-B



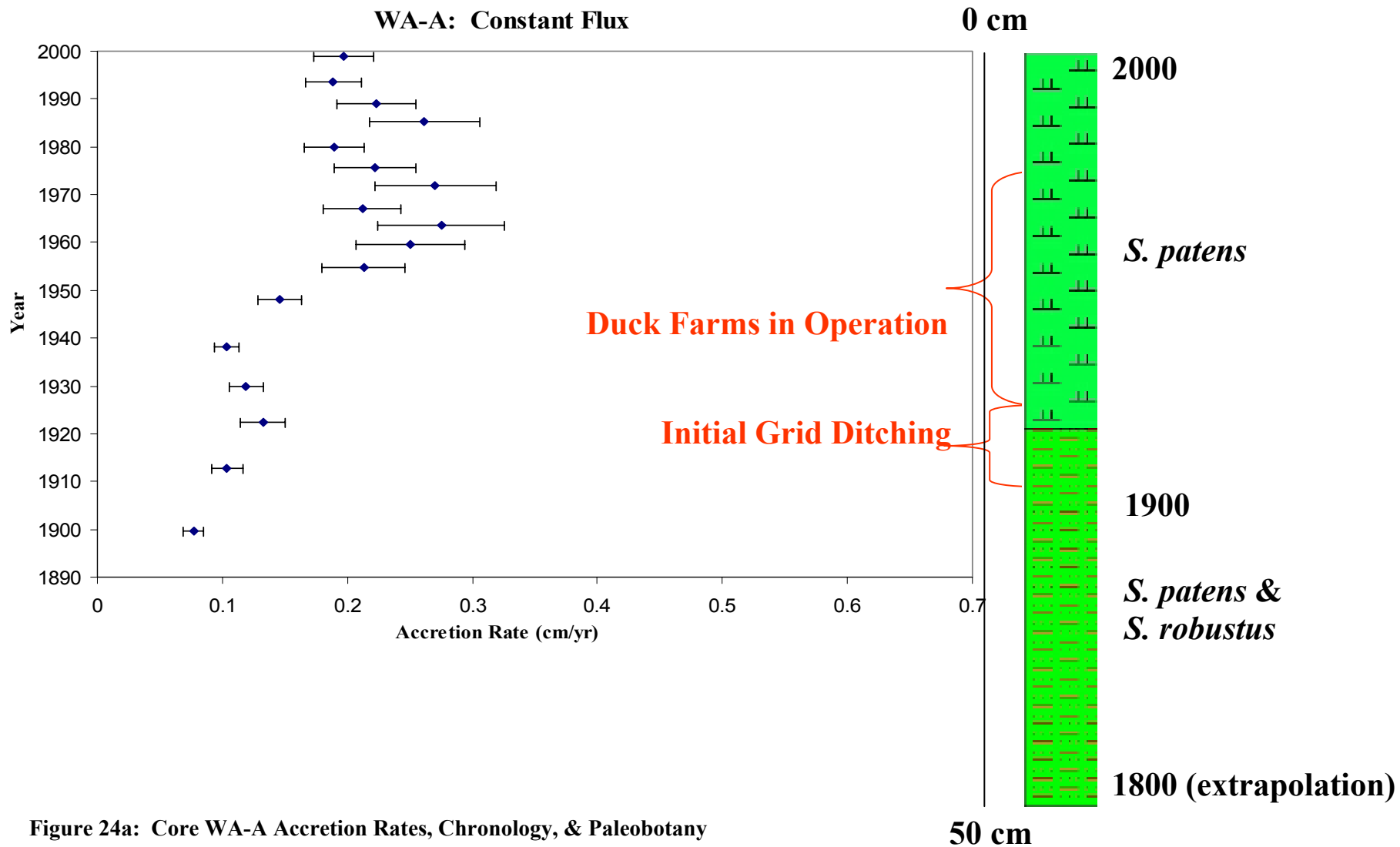


Figure 24a: Core WA-A Accretion Rates, Chronology, & Paleobotany

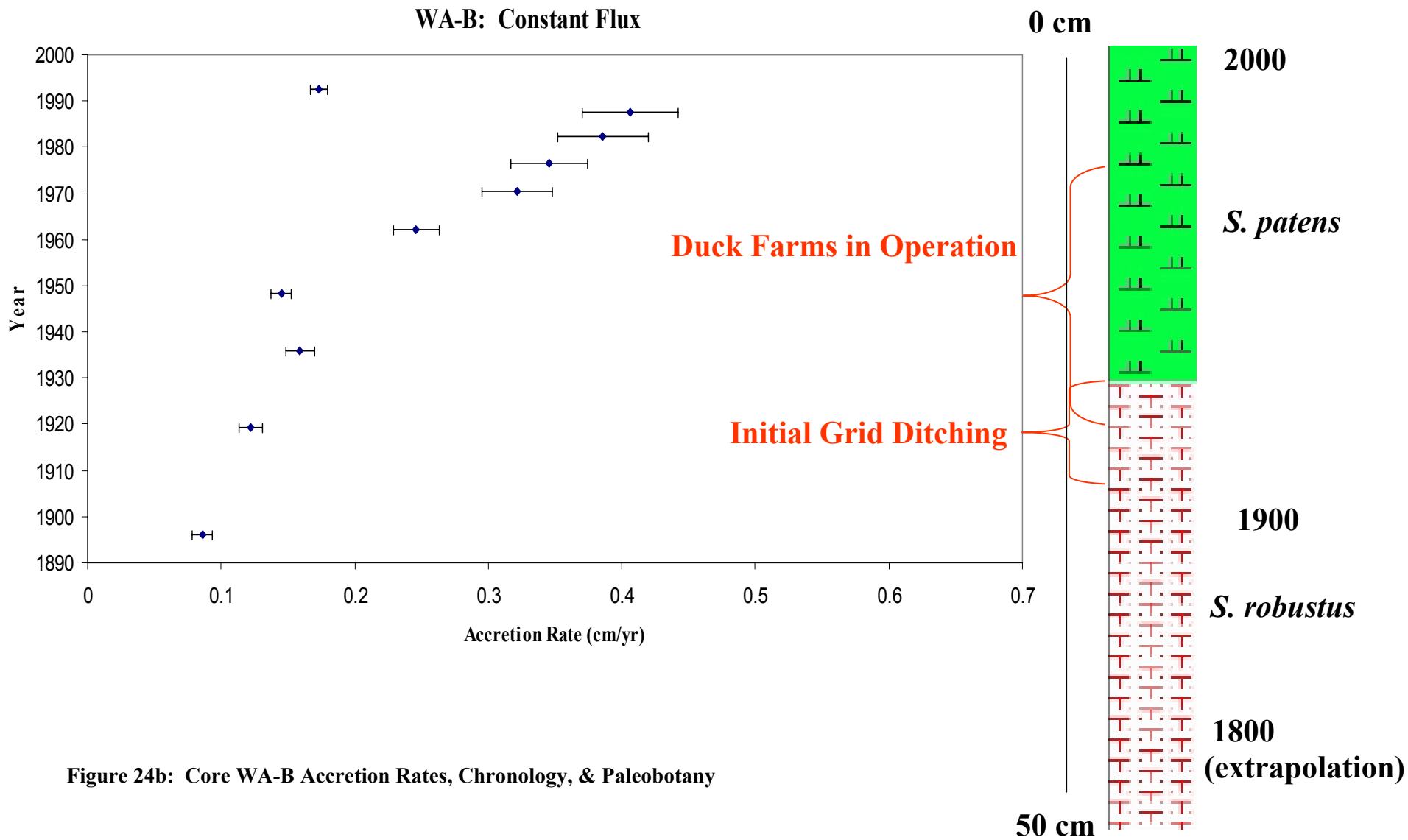


Figure 24b: Core WA-B Accretion Rates, Chronology, & Paleobotany

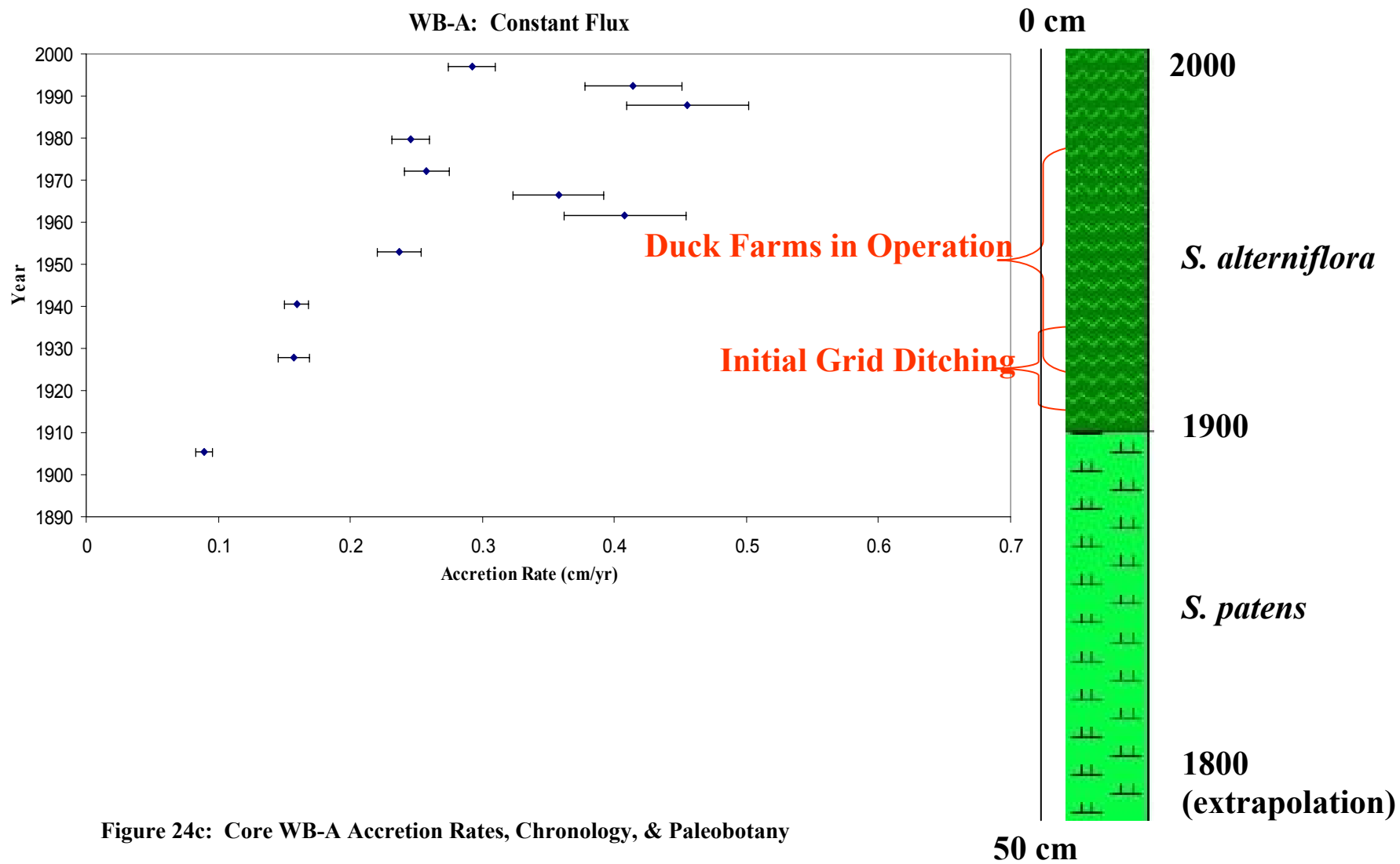


Figure 24c: Core WB-A Accretion Rates, Chronology, & Paleobotany

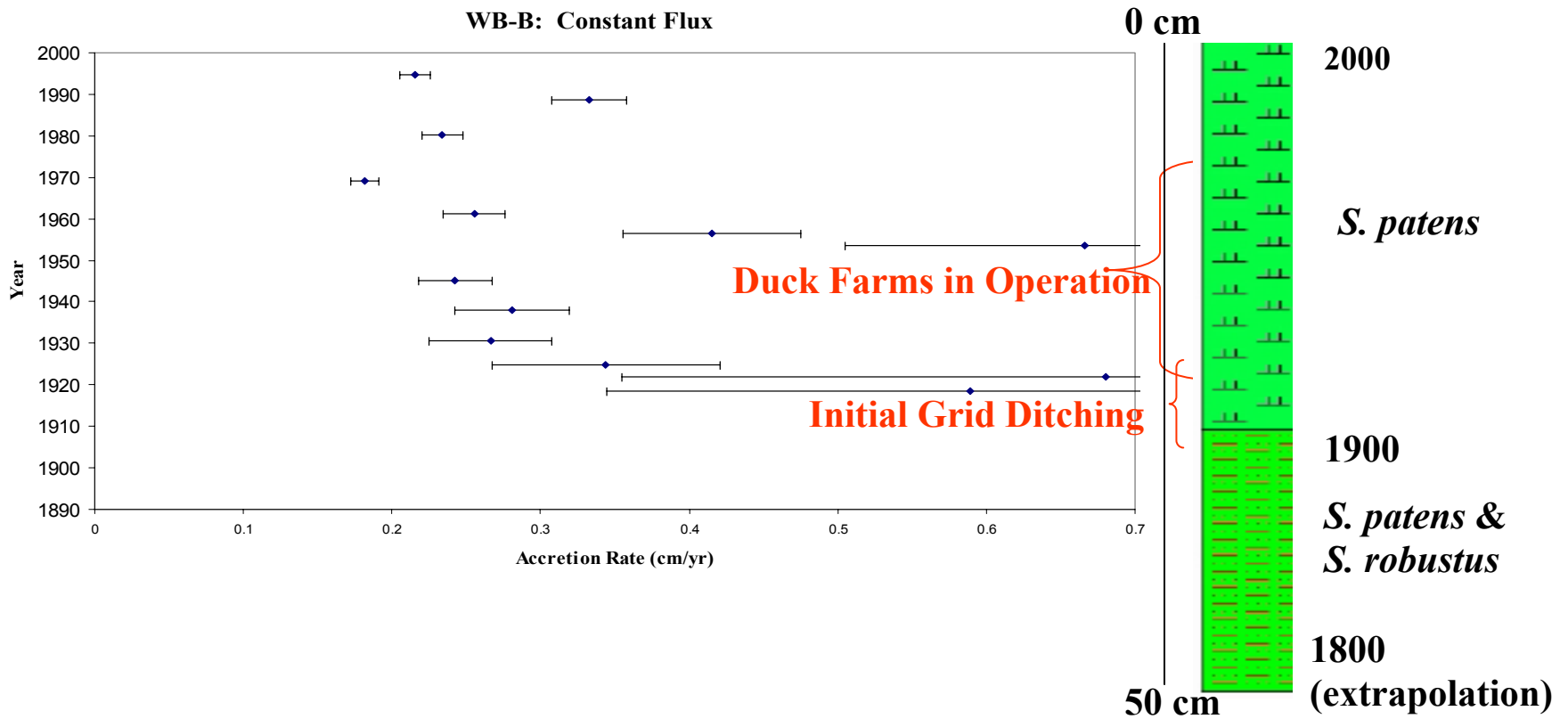


Figure 24d: Core WB-B Accretion Rates, Chronology, & Paleobotany

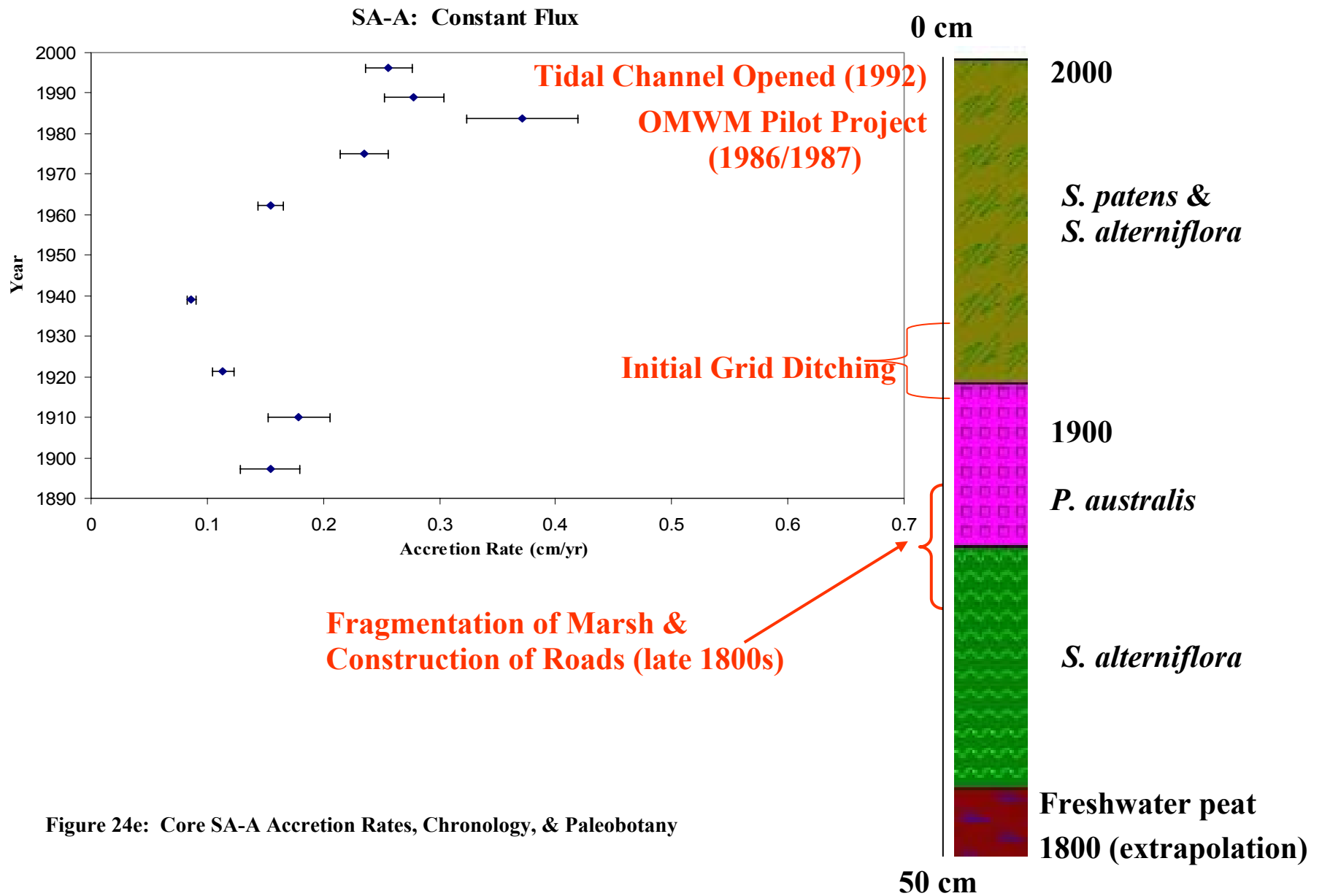


Figure 24e: Core SA-A Accretion Rates, Chronology, & Paleobotany

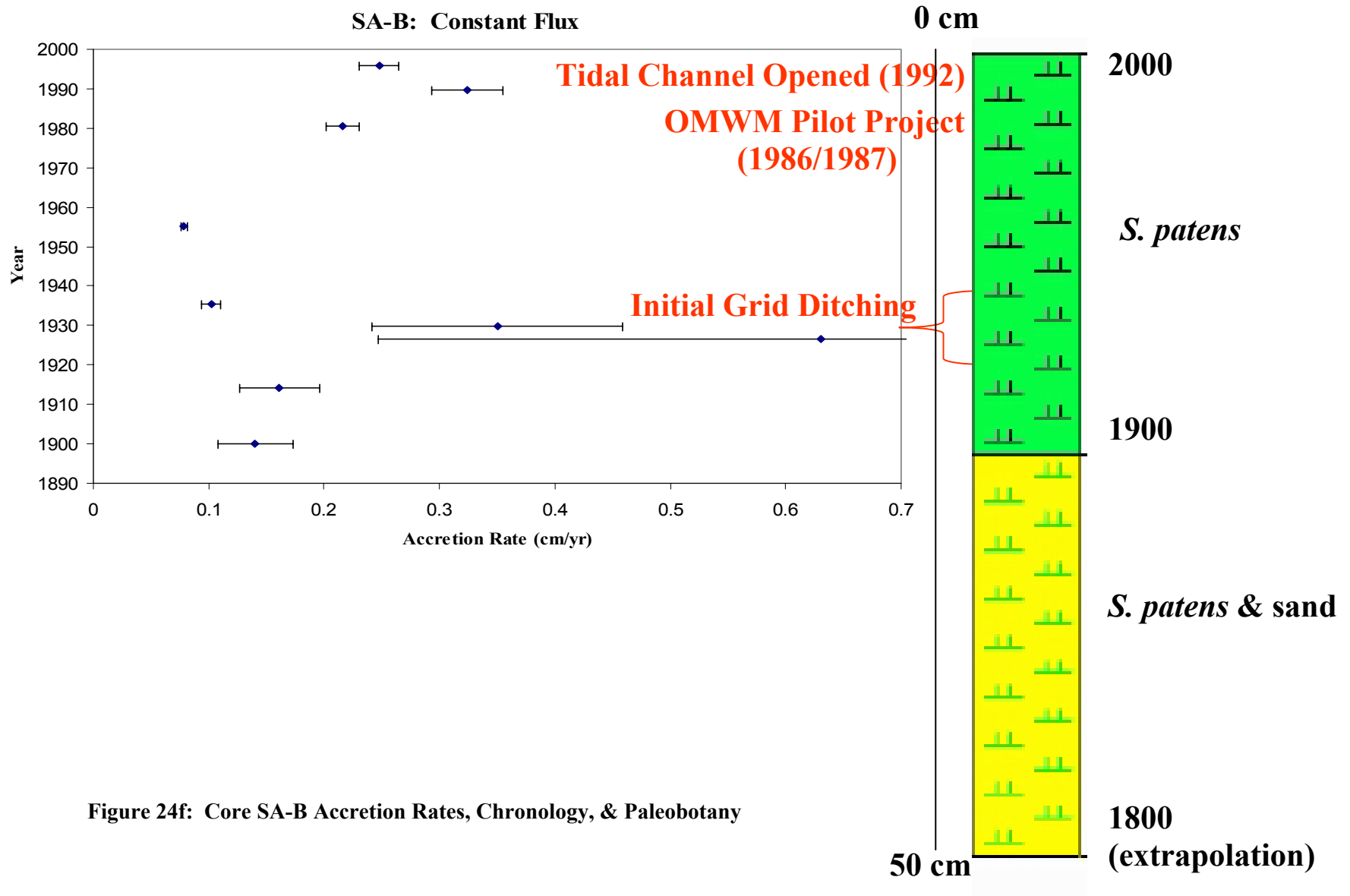


Figure 24f: Core SA-B Accretion Rates, Chronology, & Paleobotany

Figure 25: Battery Station (Manhattan, New York) Tide Gauge Record 1920-2004

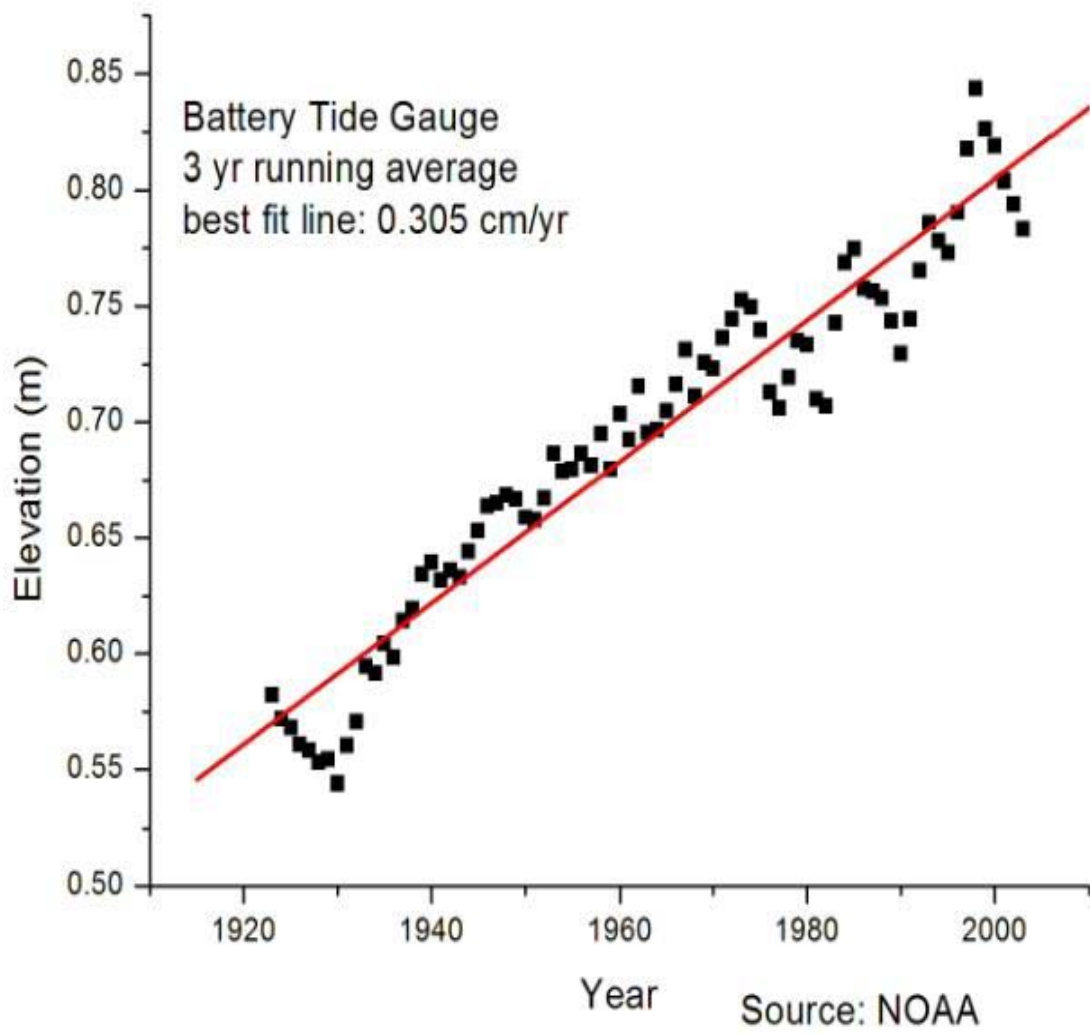


Figure 26a: ^{137}Cs Profile for Core WA-B

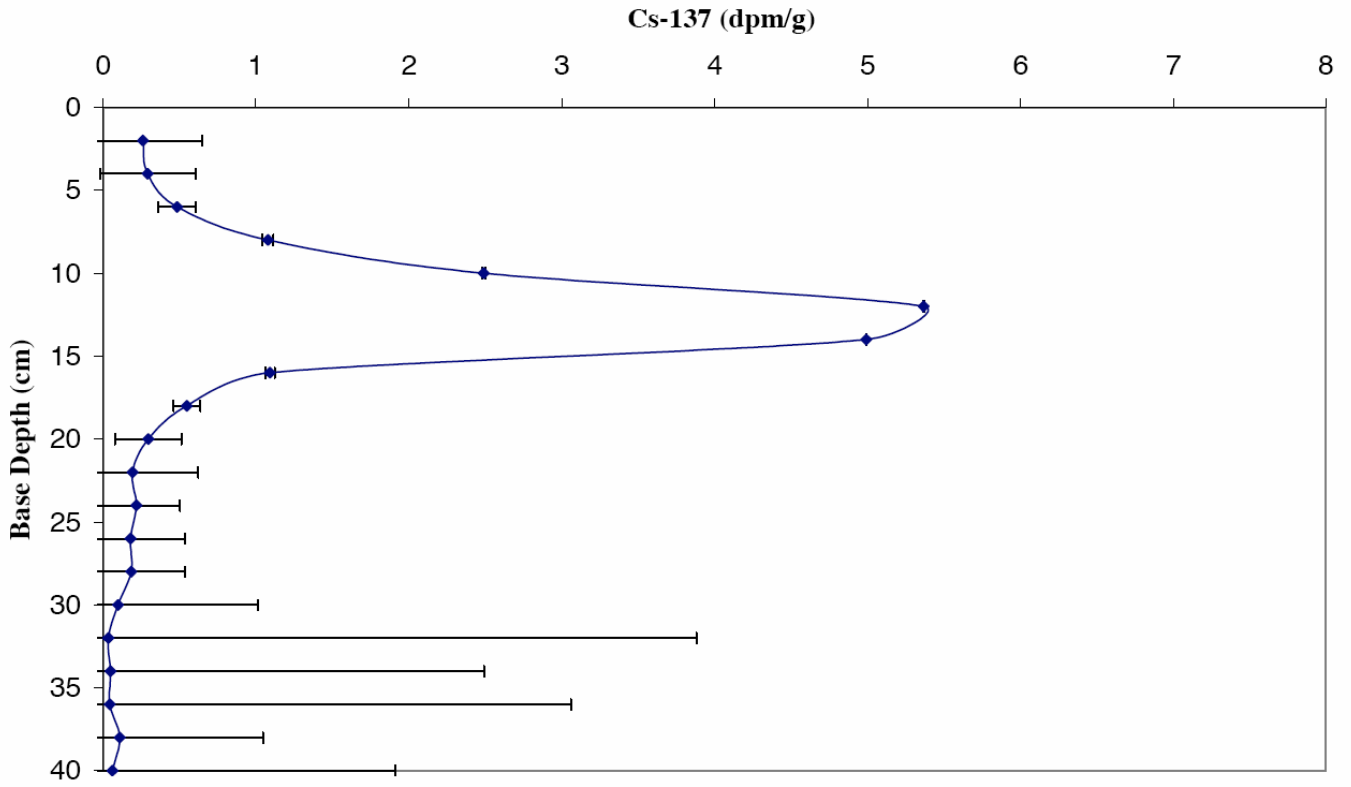


Figure 26b: ^{137}Cs Profiles for Cores WB-A & WB-B

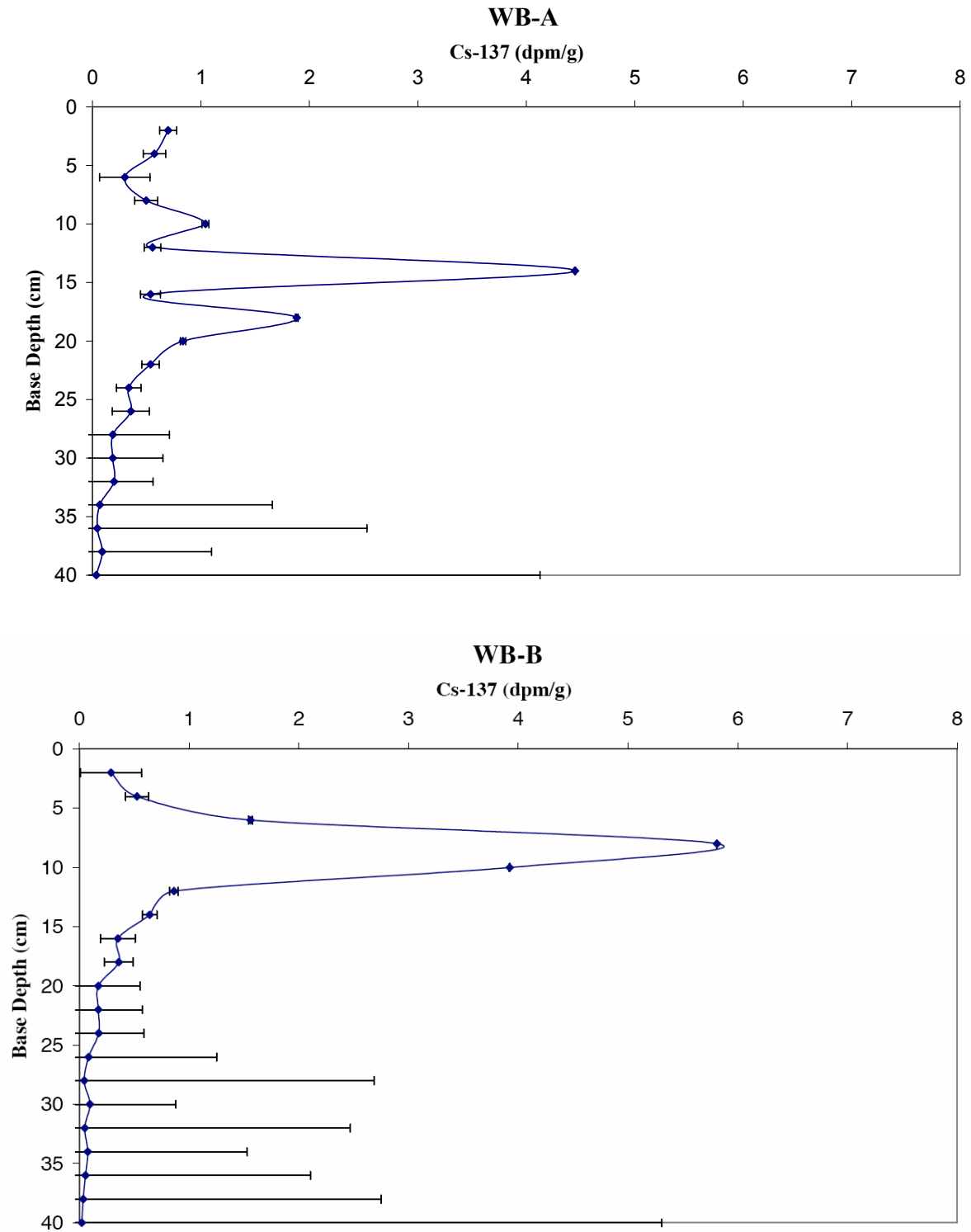


Figure 26c: ^{137}Cs Profiles for Cores SA-A & SA-B

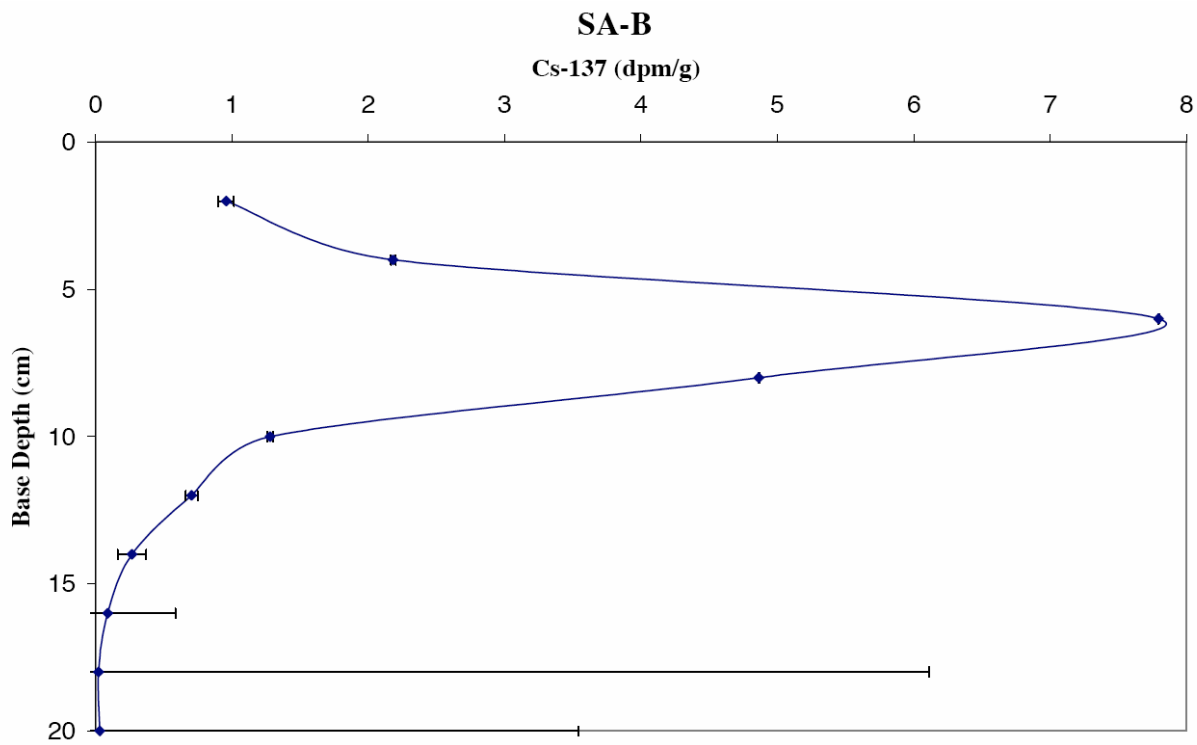
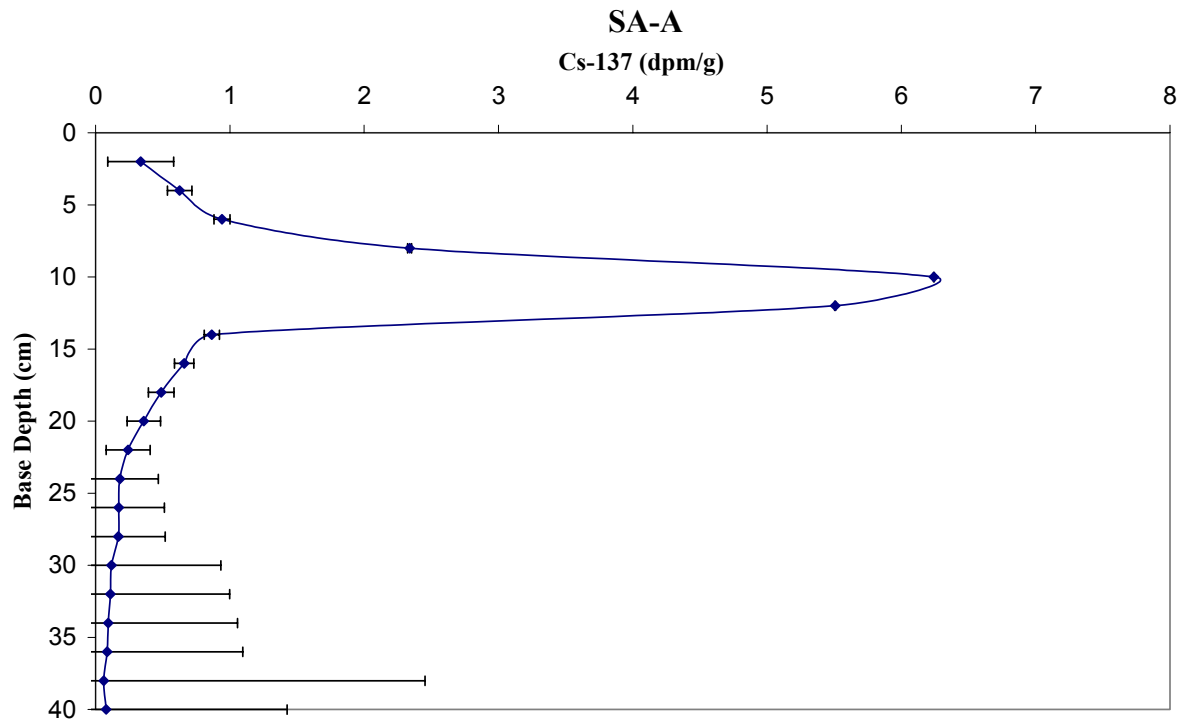


Figure 27a: Grain Size Analysis for Core WA-A

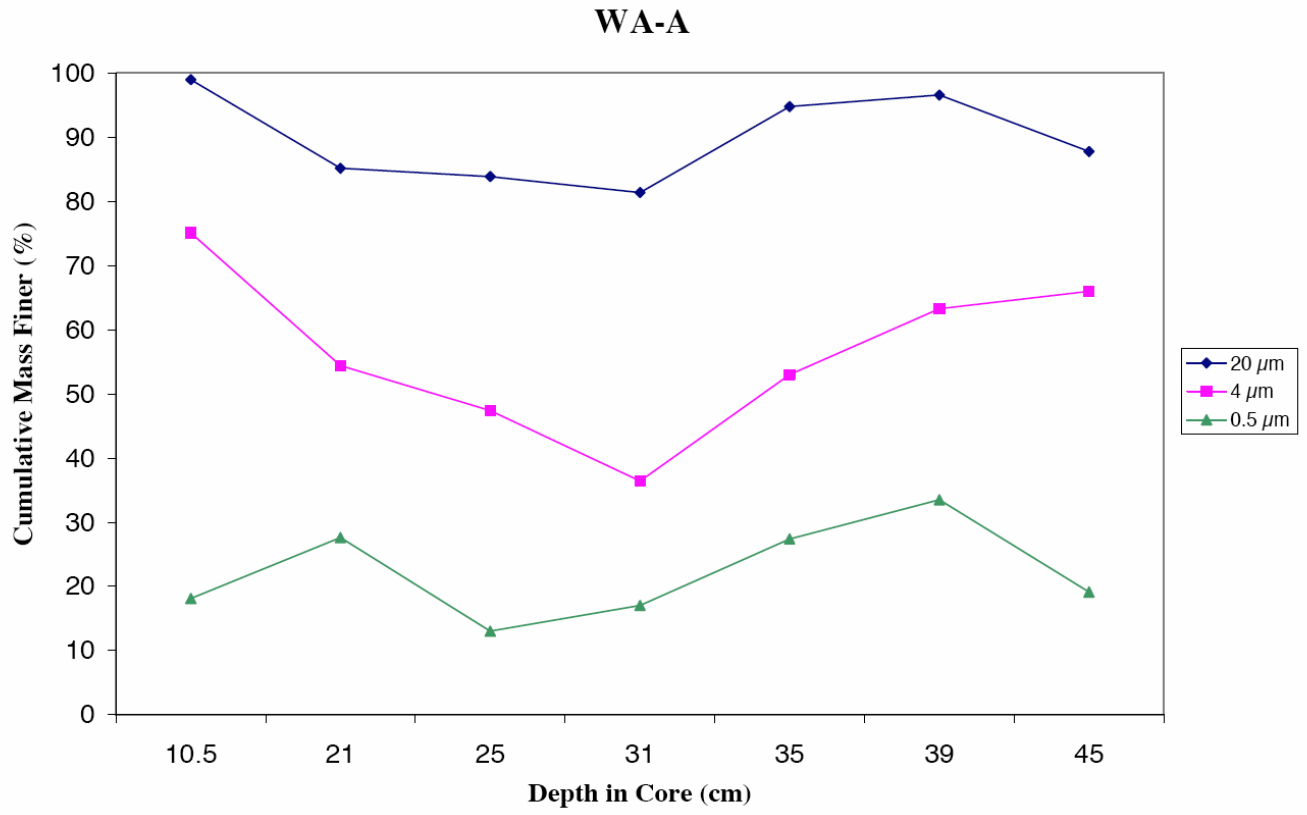


Figure 27b: Grain Size Analysis for Cores WB-A & WB-B

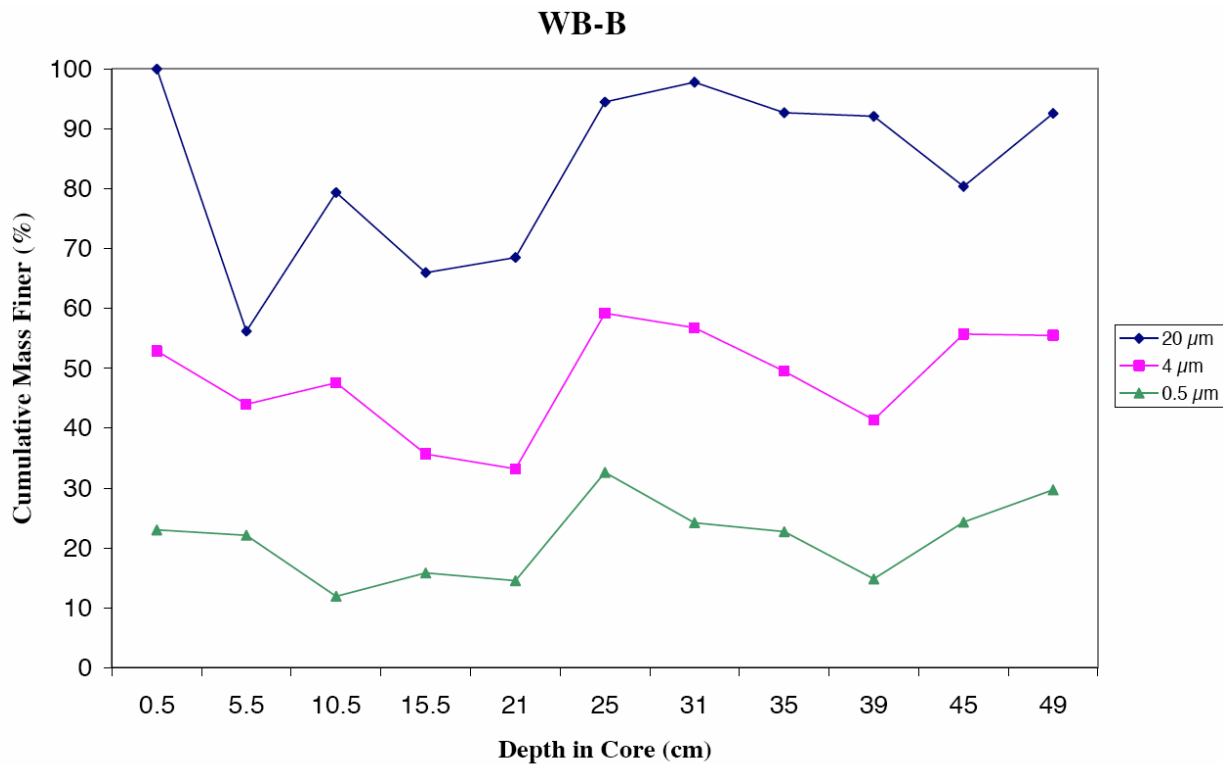
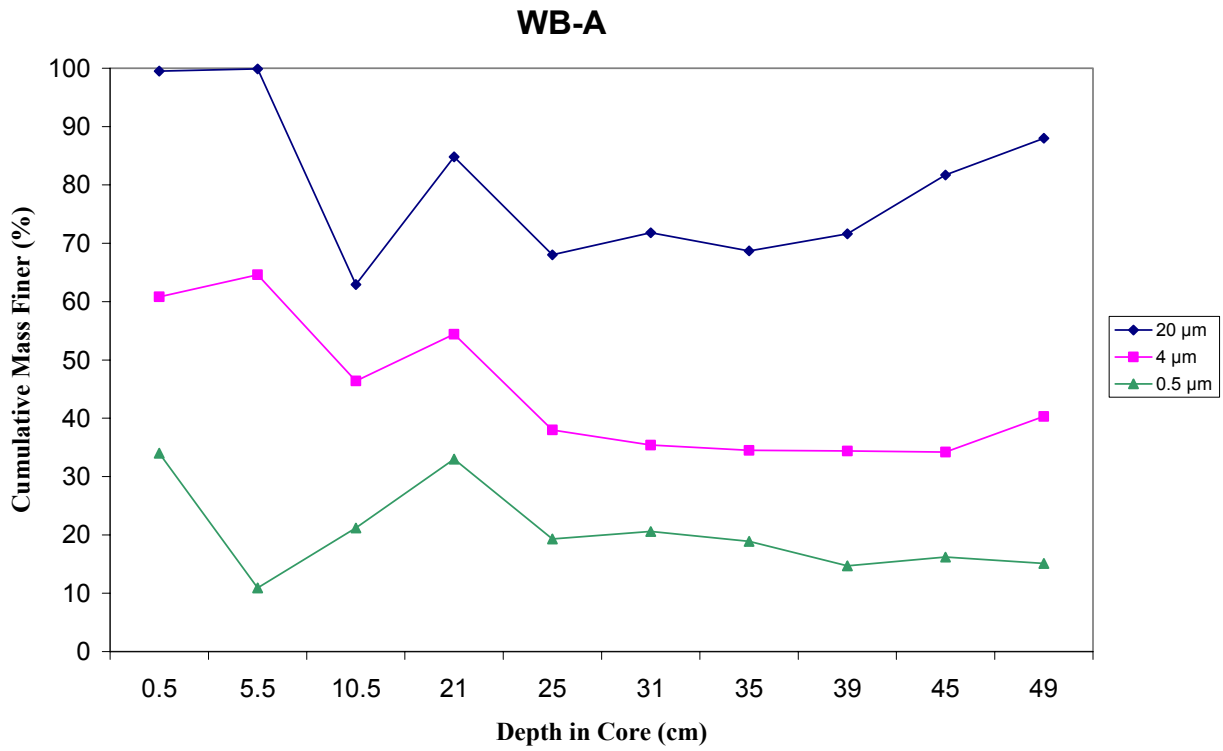


Figure 27c: Grain Size Analysis for Cores SA-A & SB-B

