Figure A-1. Map of the San Diego Metropolitan Sewage System service area.

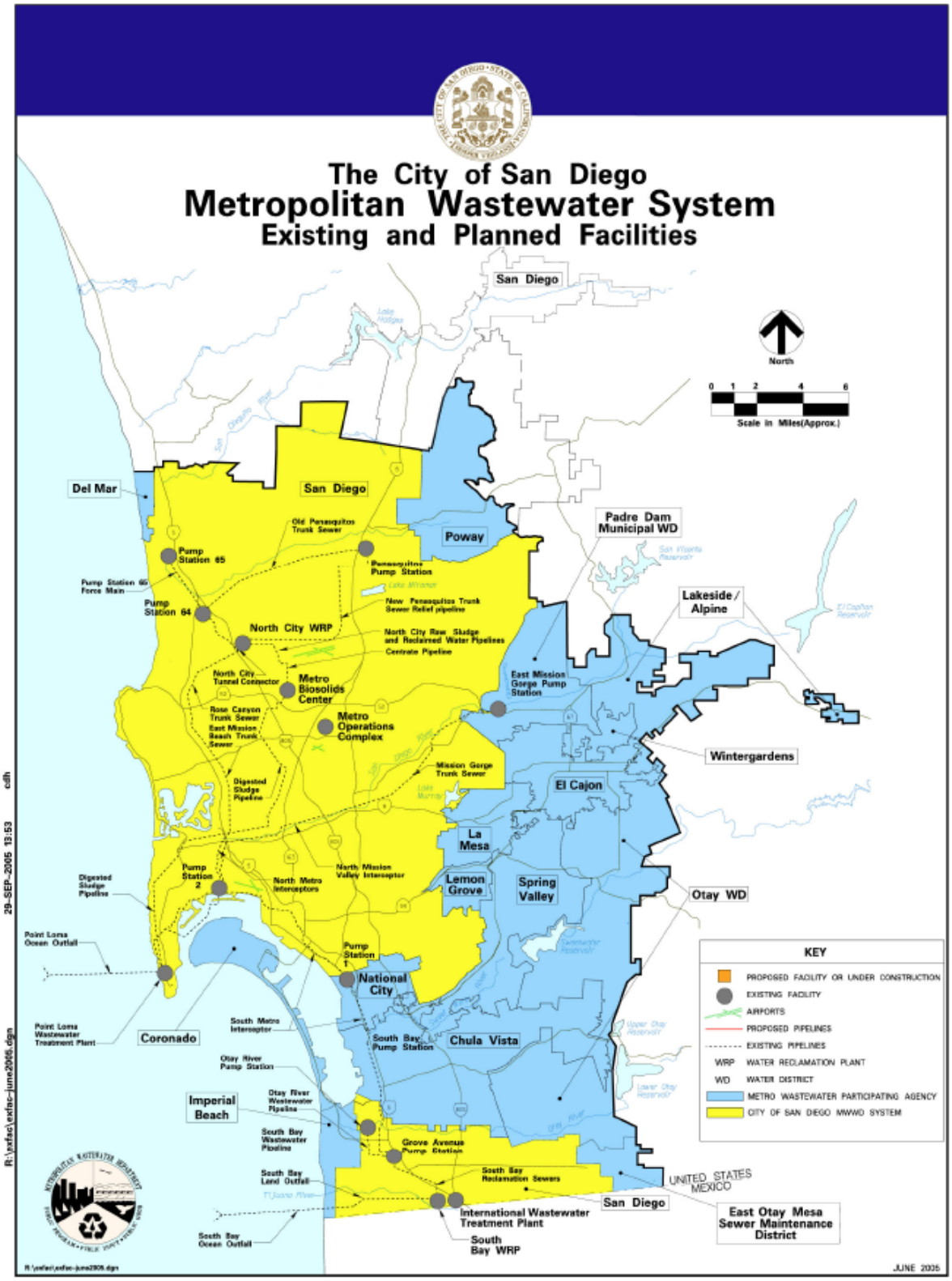


Figure A-2. Schematic of the existing Metro System treatment and solids handling facilities.

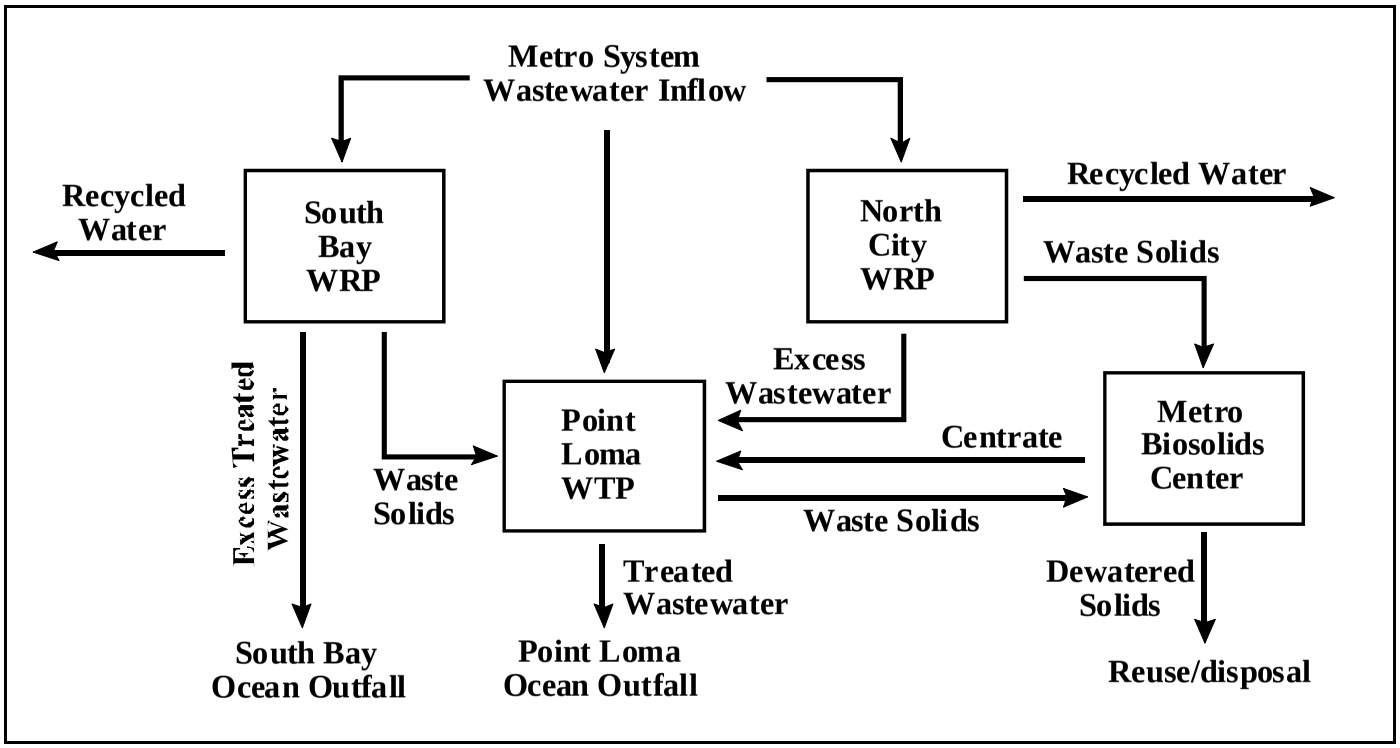


Figure A-3. Map of water quality monitoring station locations in offshore, kelp bed, and shoreline areas.

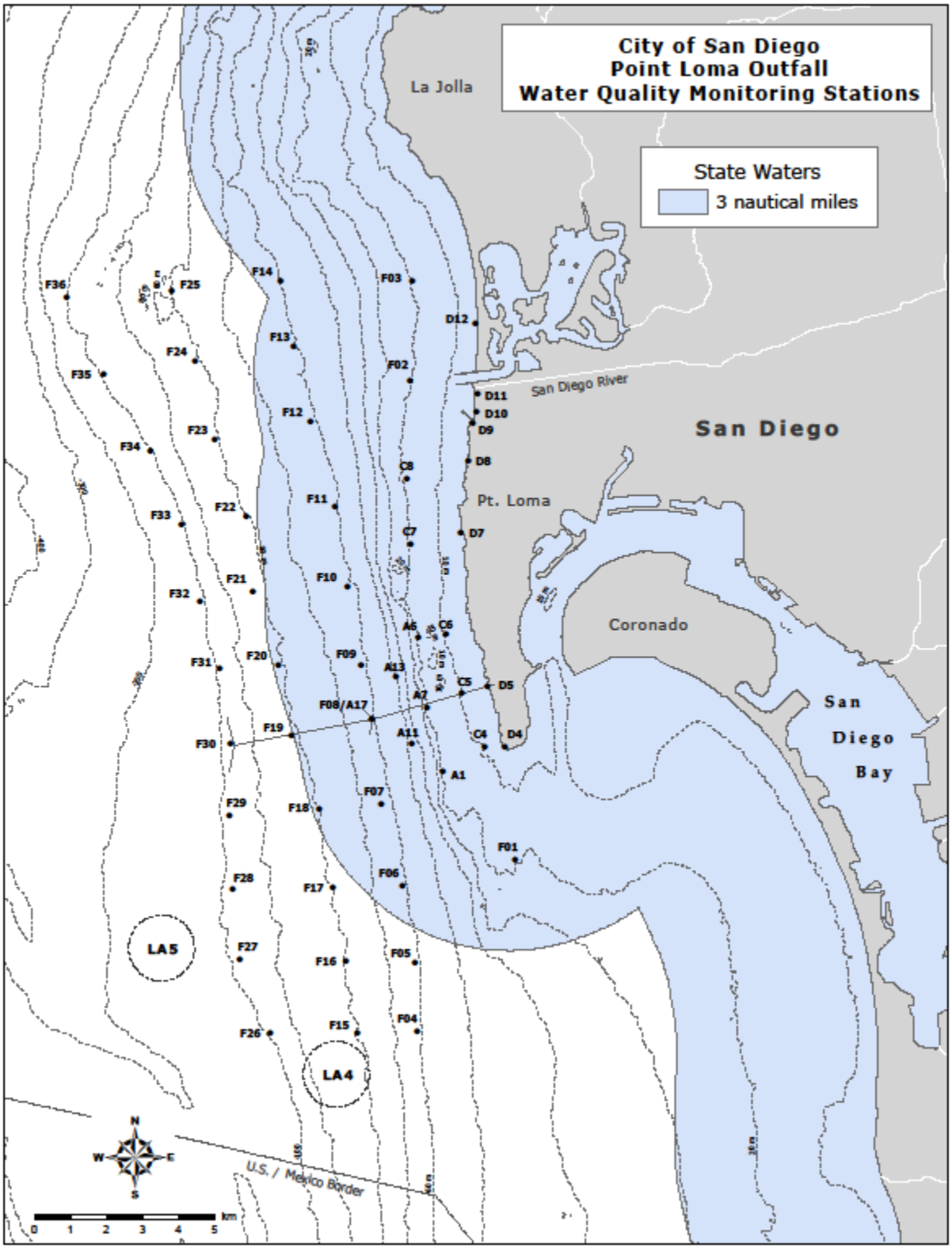


Figure A-4. Map of sediment chemistry and benthic macrofauna monitoring station locations in offshore area.

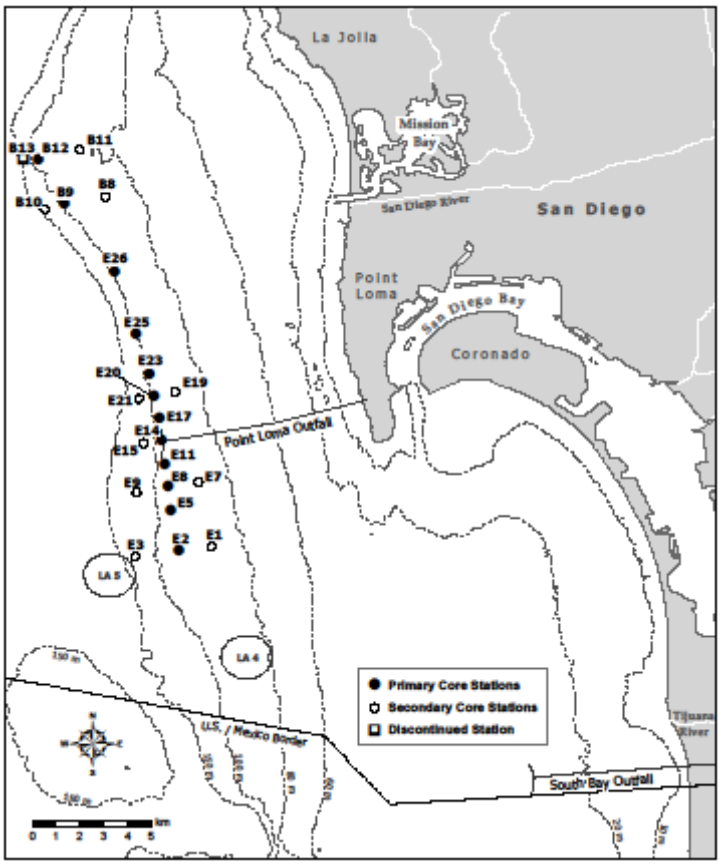


Figure A-5. Long-term average and standard deviation for percent transmissivity at 20, 60, 80, and 100 meter contours (October 2003 through October 2007).

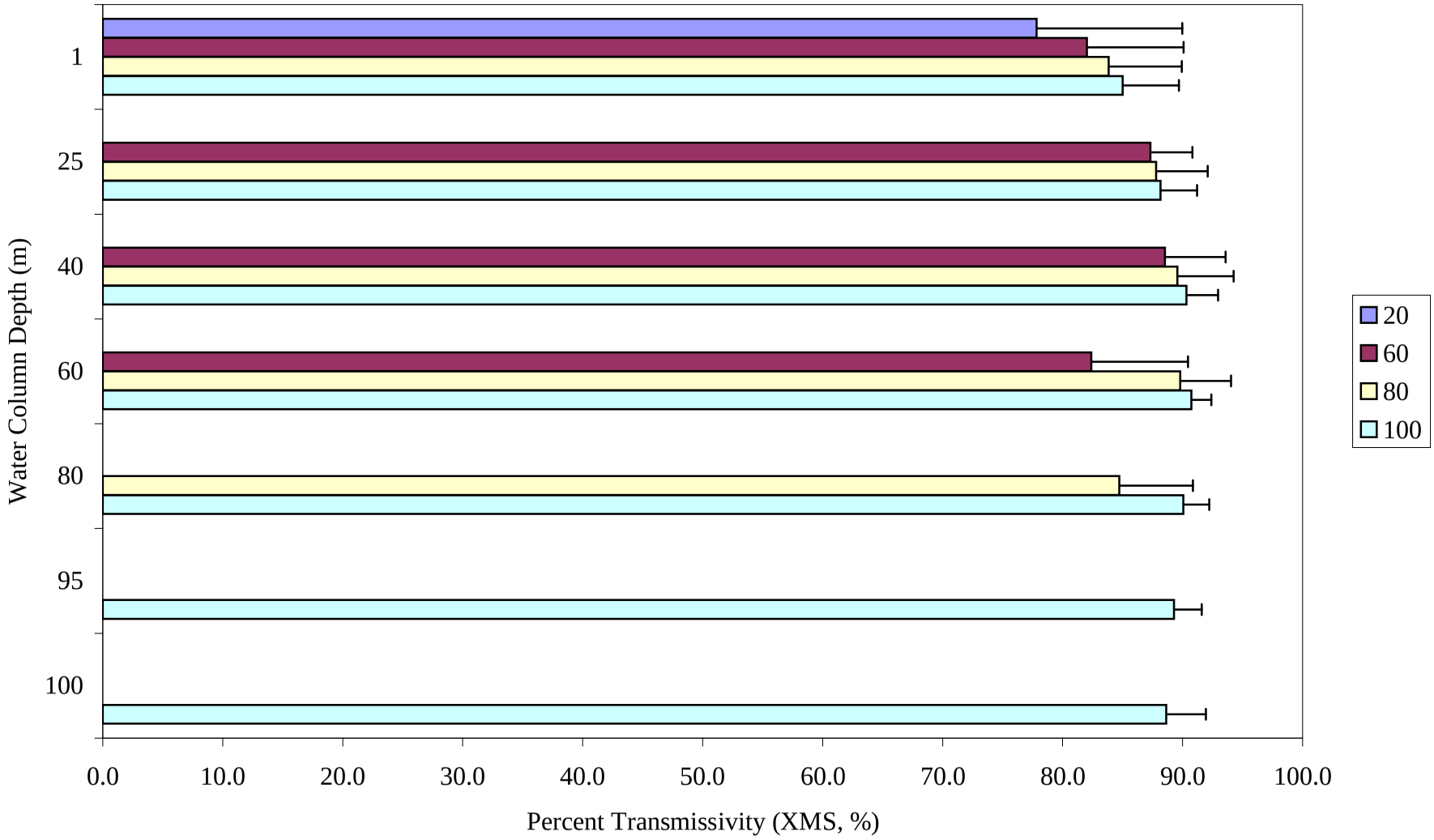


Figure A-6. Long-term average and standard deviation for dissolved oxygen concentration at 20, 60, 80, and 100 meter contours (October 2003 through October 2007).

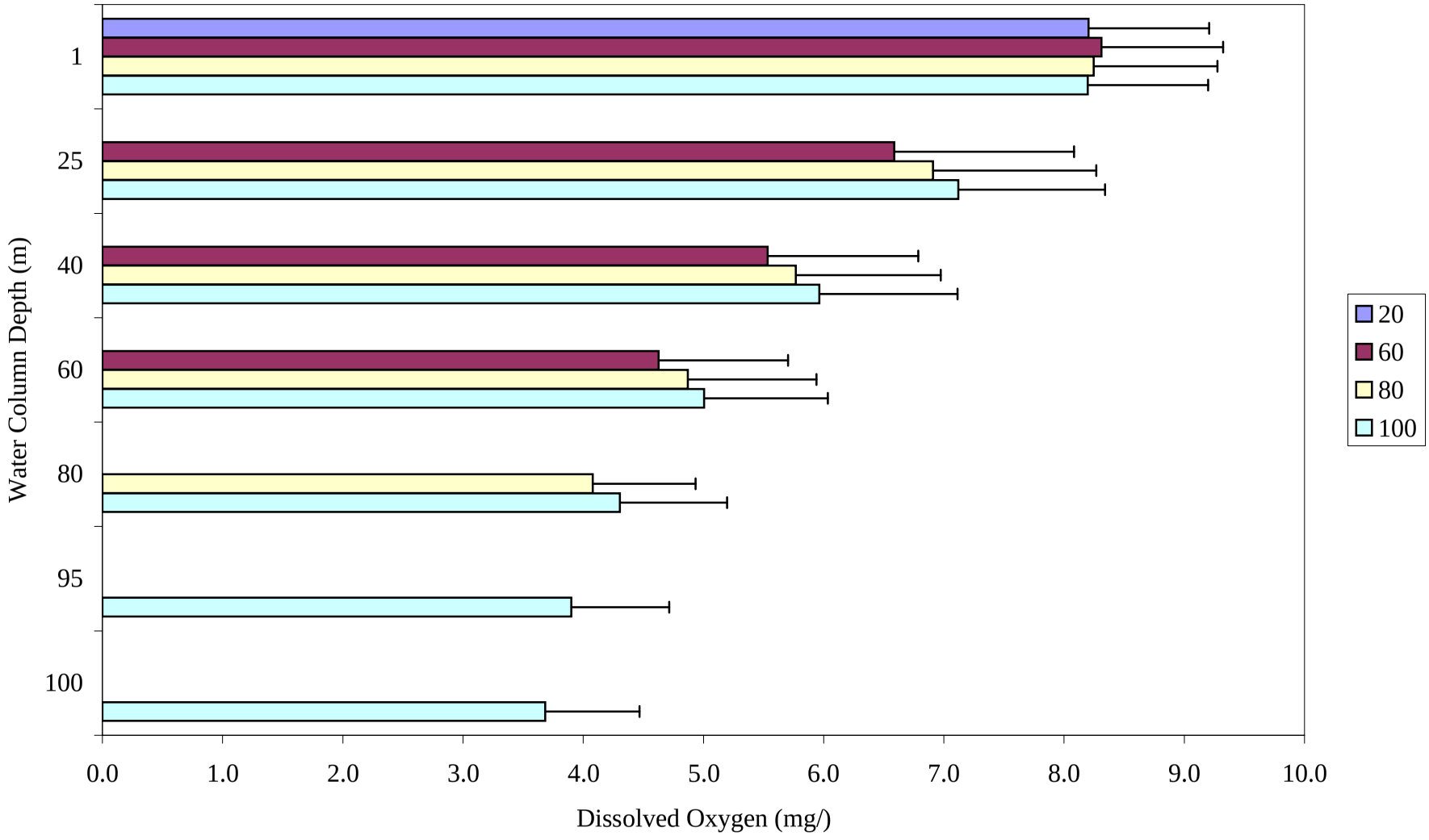


Figure A-7. Long-term average and standard deviation for pH at 20, 60, 80 and 100 meter contours (October 2003 through October 2007).

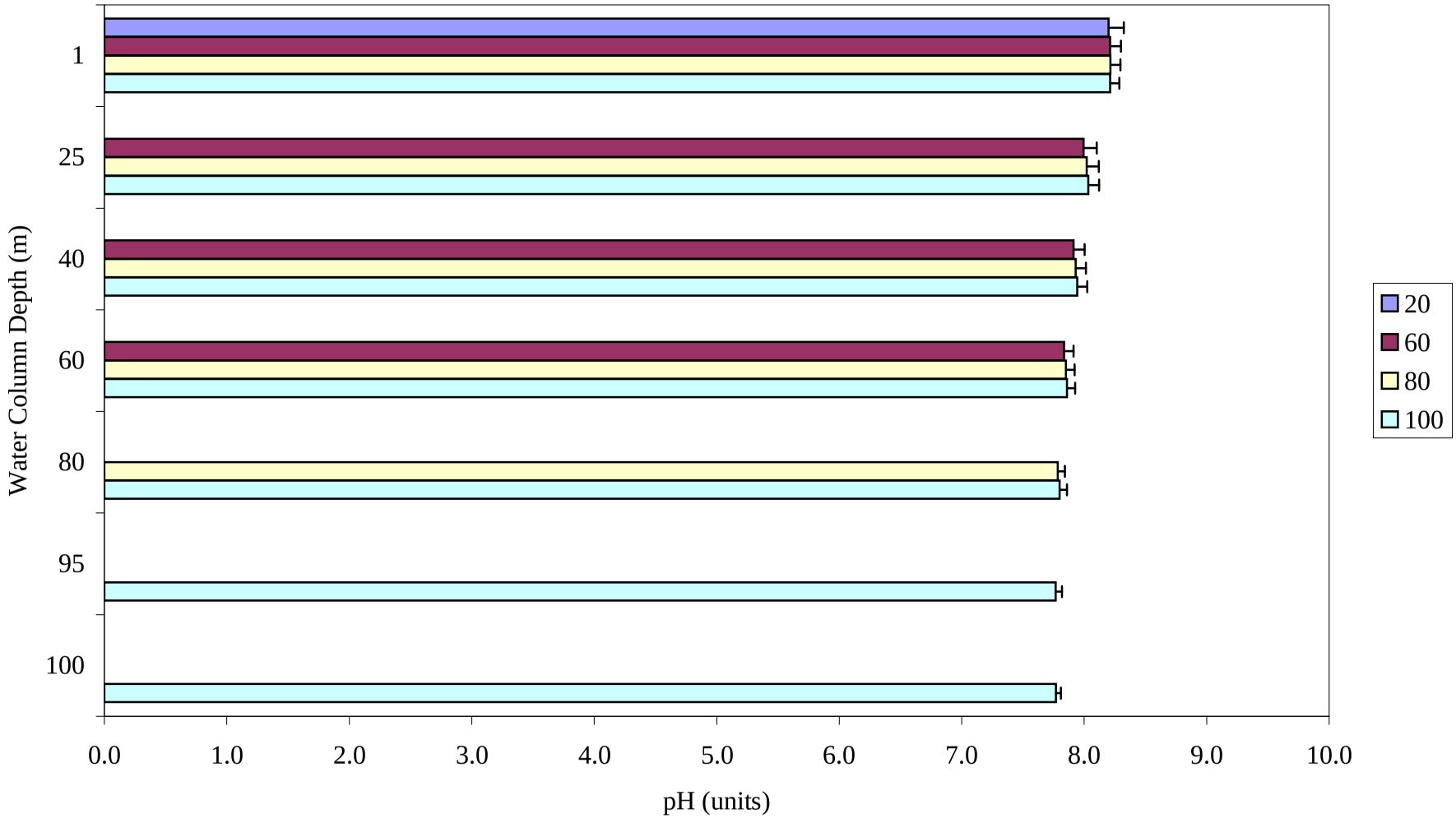


Figure A-8. Percent total solids in sediment at 98 meter B and E stations during July (1991-2006).

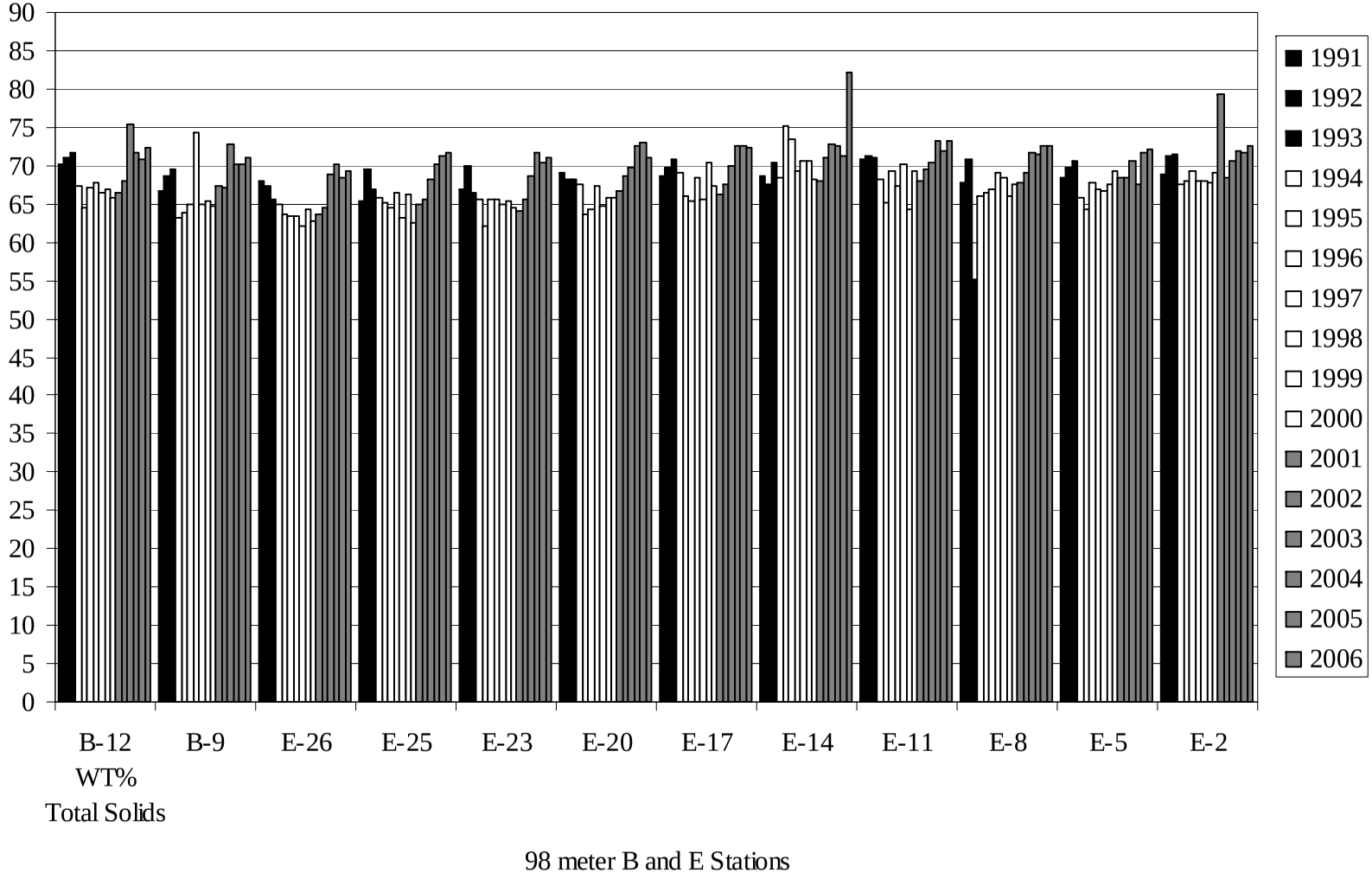


Figure A-9. Percent total organic carbon in sediment at 98 meter B and E stations during July (1991-2006).

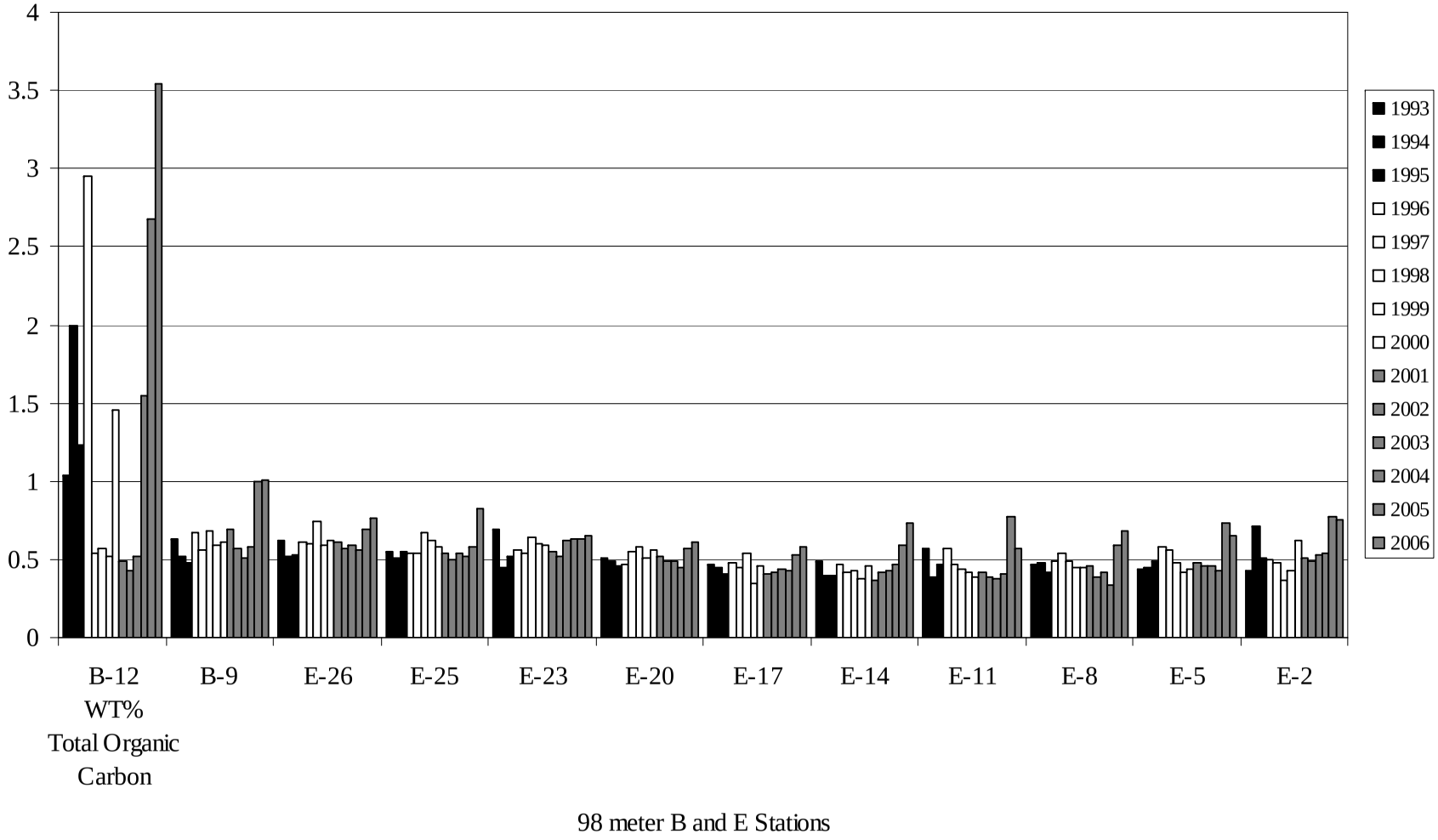


Figure A-10. Percent total volatile solids in sediment at 98 meter B and E stations during July (1991-2006).

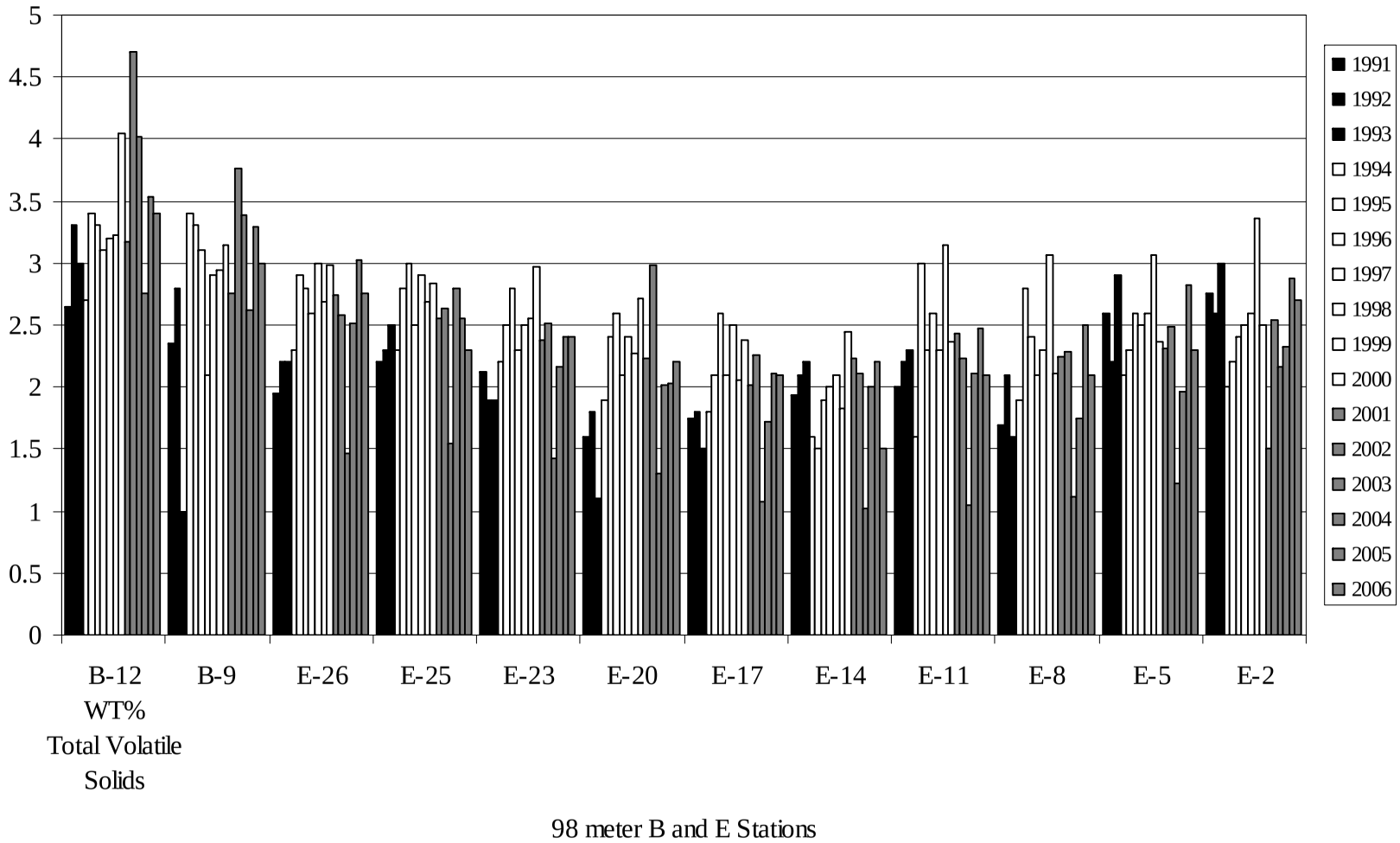


Figure A-11. Percent total nitrogen in sediment at 98 meter B and E stations during July (1991-2006).

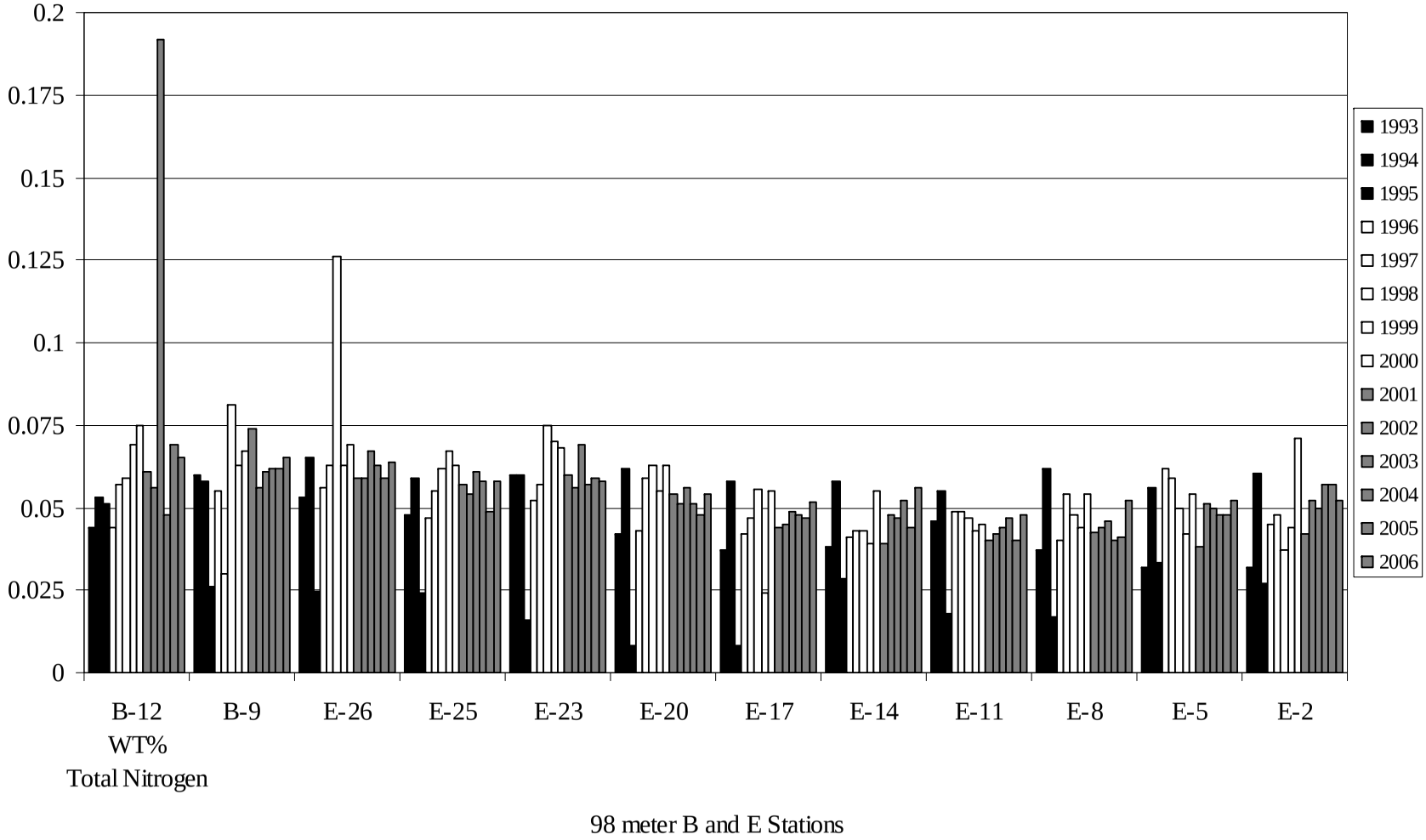


Figure A-12. Biochemical oxygen demand concentrations (mg/kg or ppm) in sediment at 98 meter B and E stations during July (1991-2006).

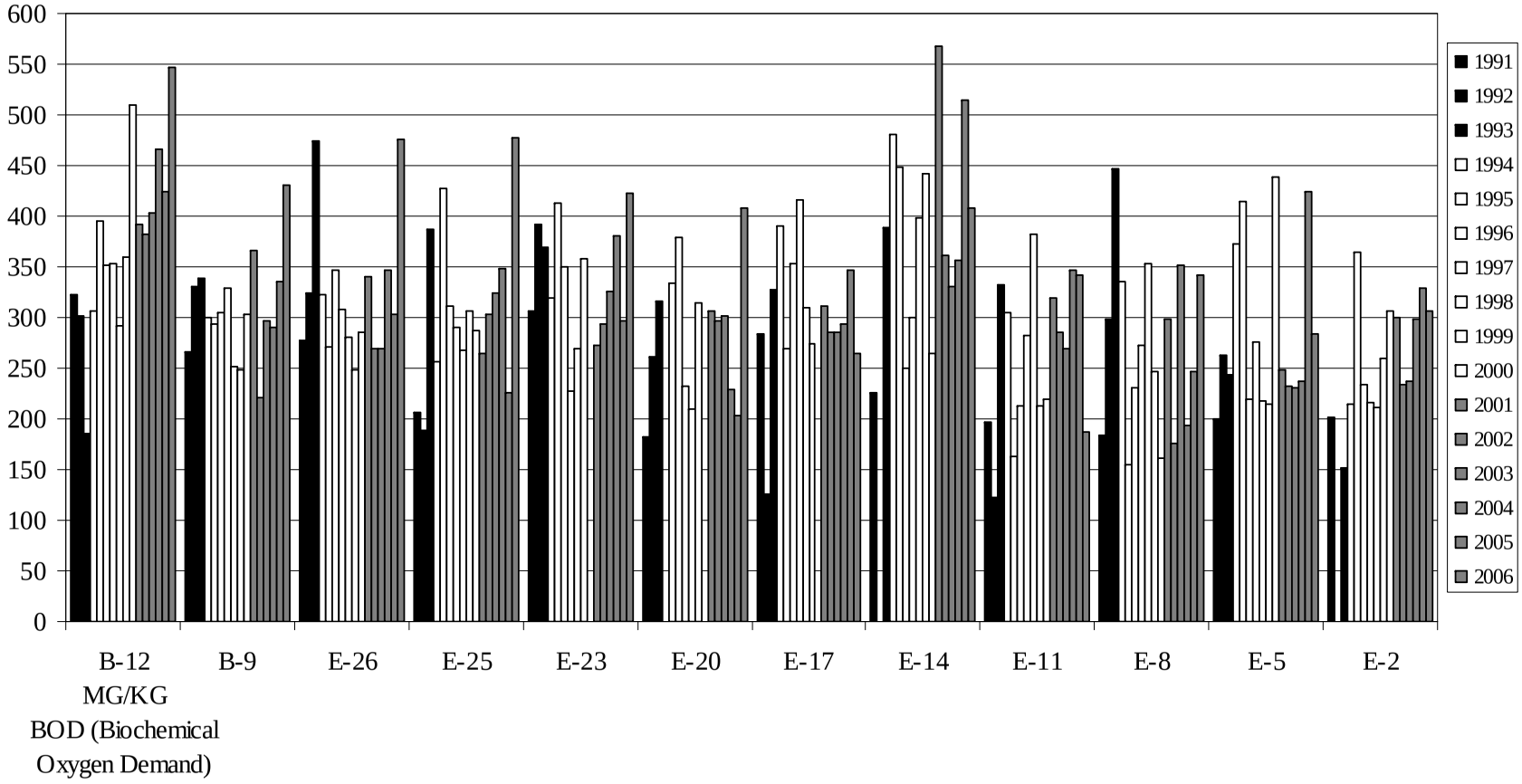


Figure A-13. Total sulfides concentrations (mg/kg or ppm) in sediment at 98 meter B and E stations during July (1991-2006).

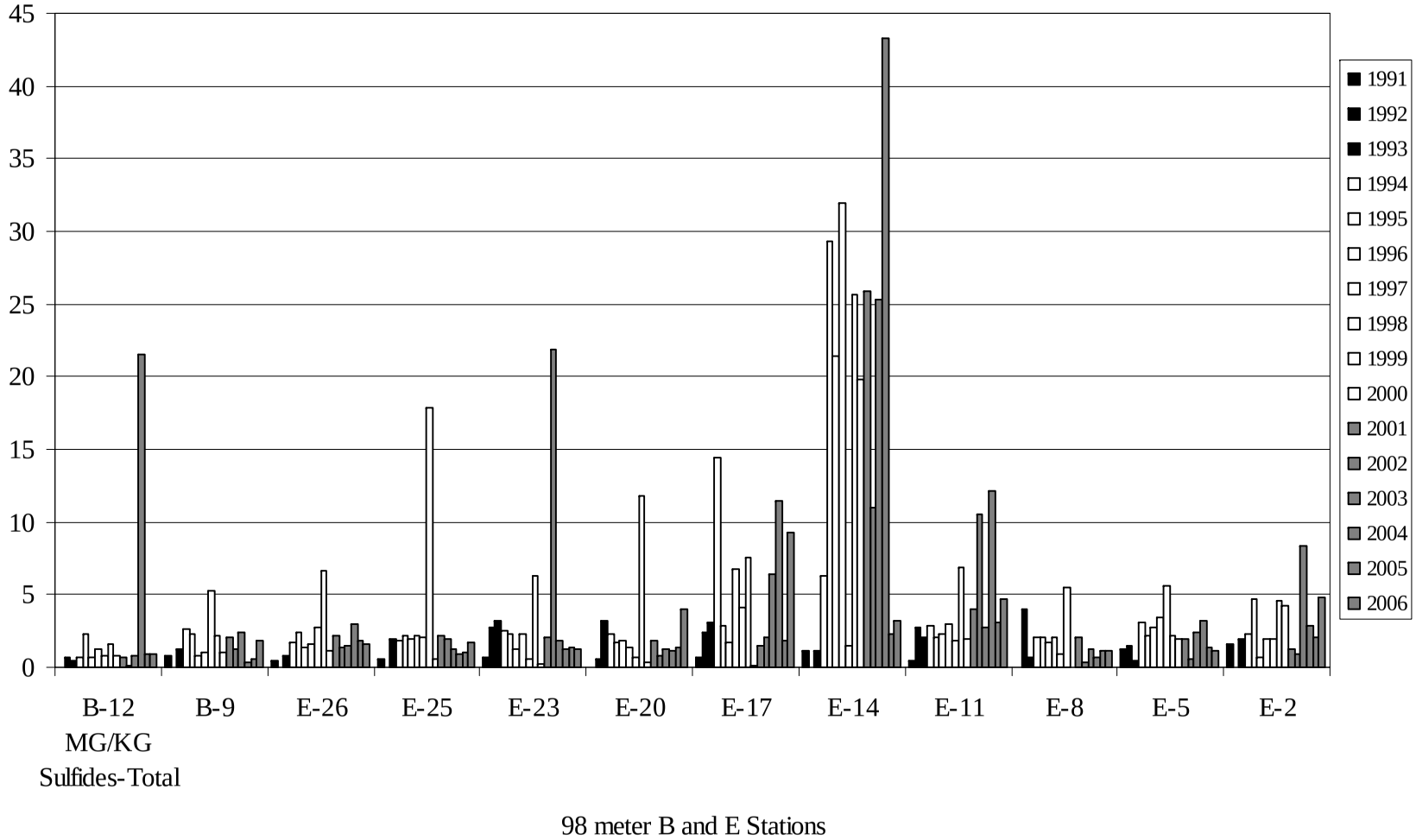


Figure A-14. Arsenic concentrations (mg/kg or ppm) in sediment
at 98 meter B and E stations during July (1991-2006).

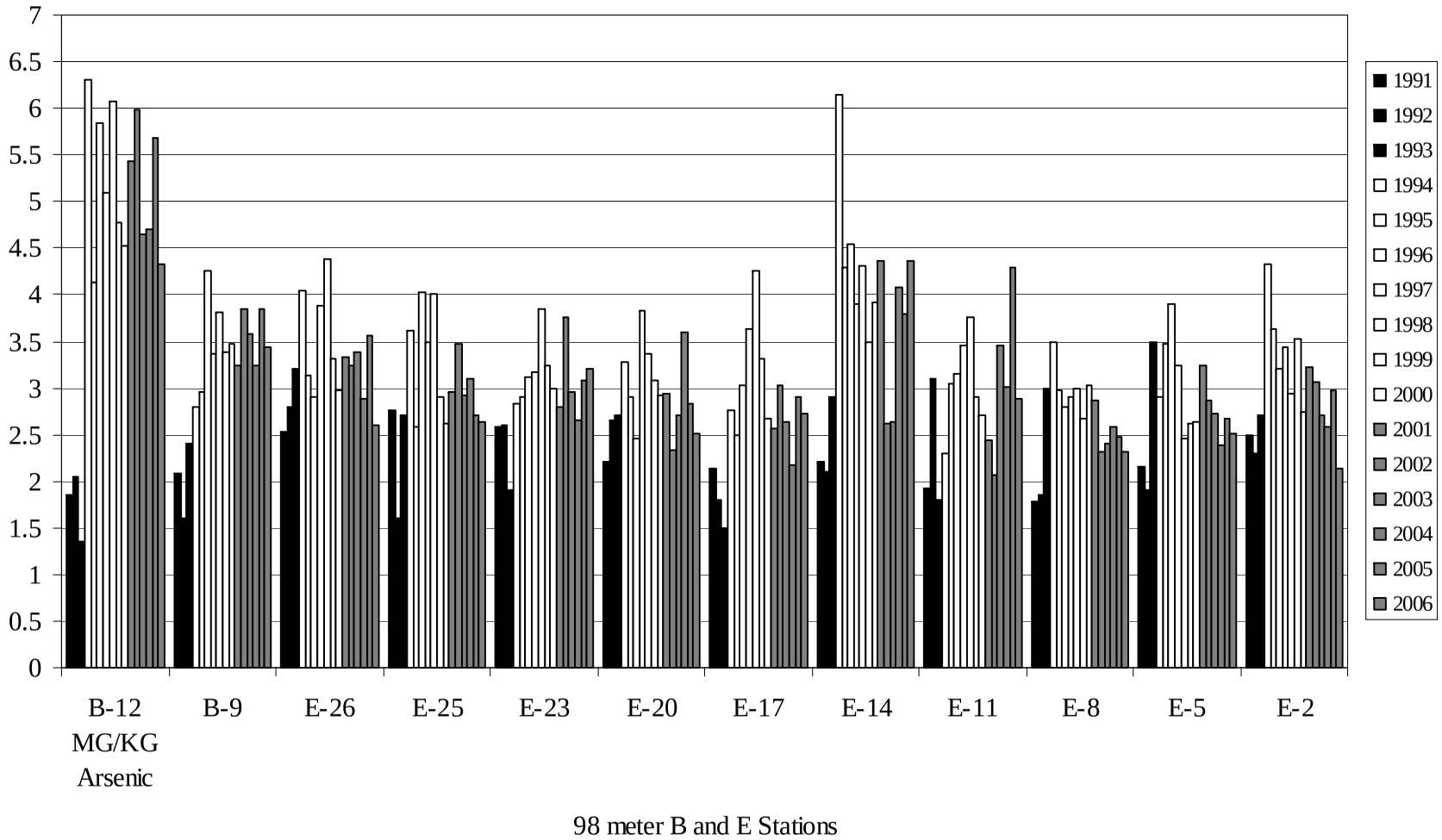


Figure A-15. Cadmium concentrations (mg/kg or ppm) in sediment
at 98 meter B and E stations during July (1991-2006).

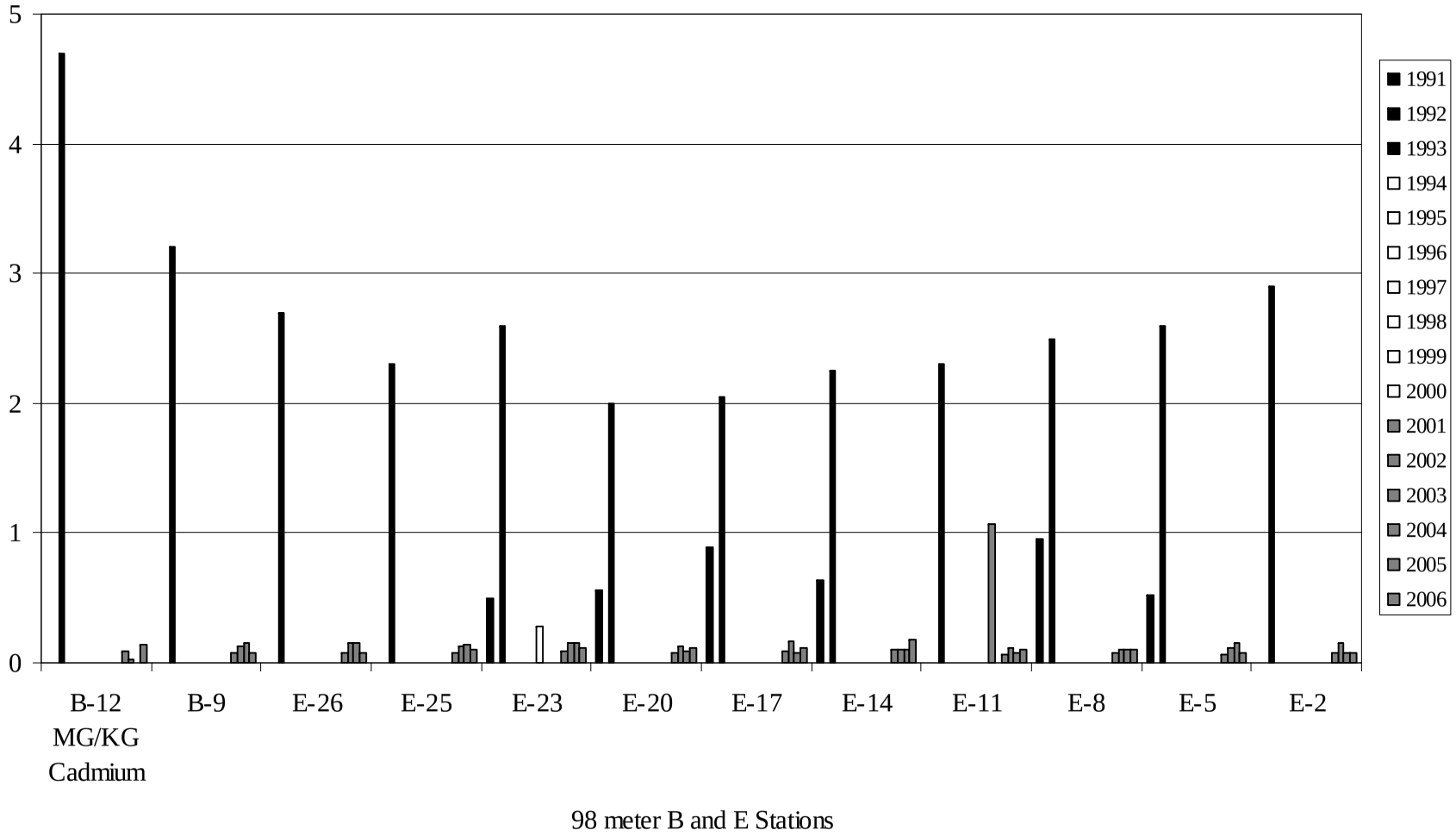


Figure A-16. Chromium concentrations (mg/kg ppm) in sediment
at 98 meter B and E stations during July (1991-2006).

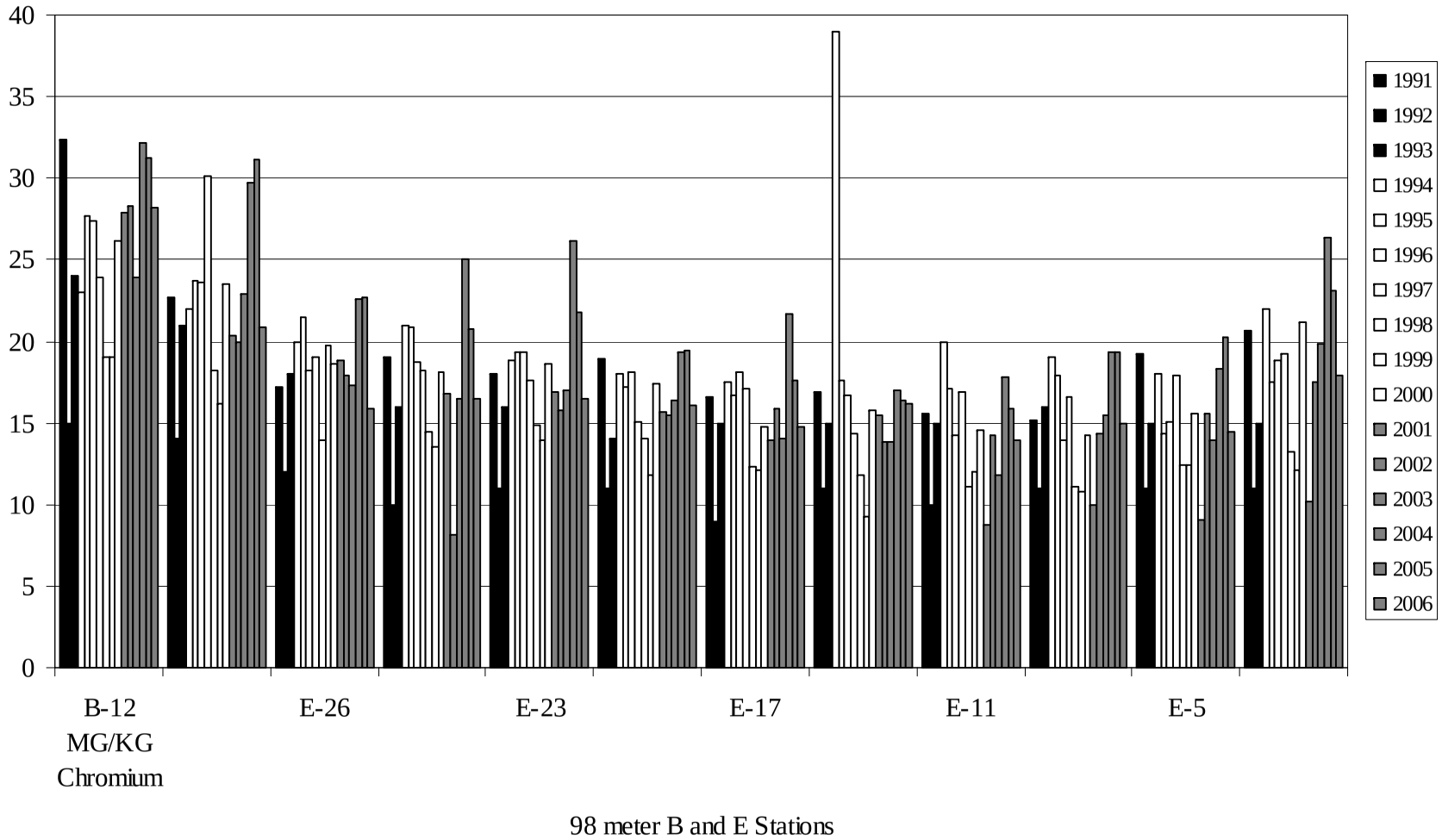


Figure A-17. Copper concentrations (mg/kg or ppm) in sediment
at 98 meter B and E stations during July (199-2006).

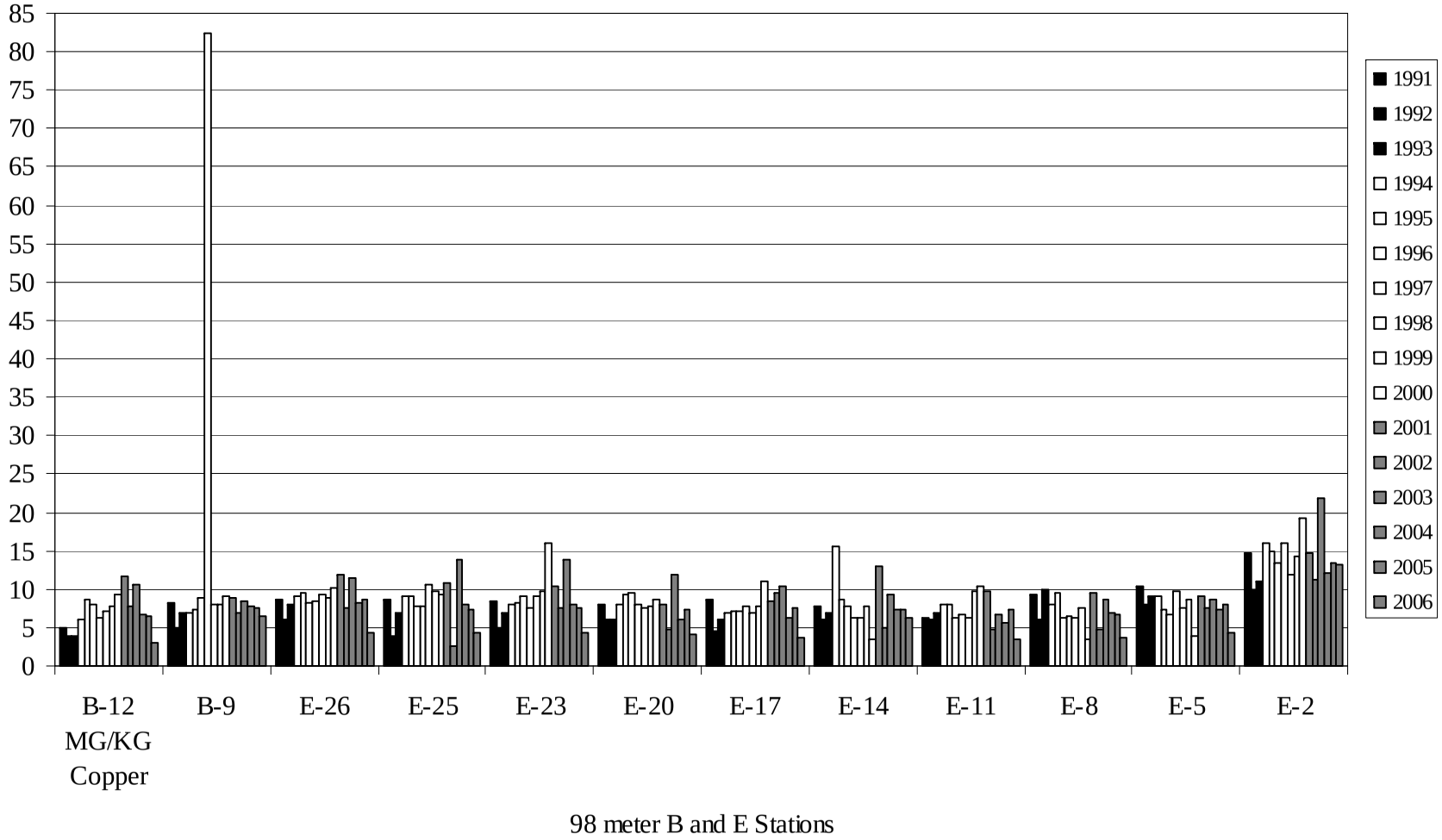


Figure A-18. Lead concentrations (mg/kg or ppm) in sediment
at 98 meter B and E stations during July (1991-2006).

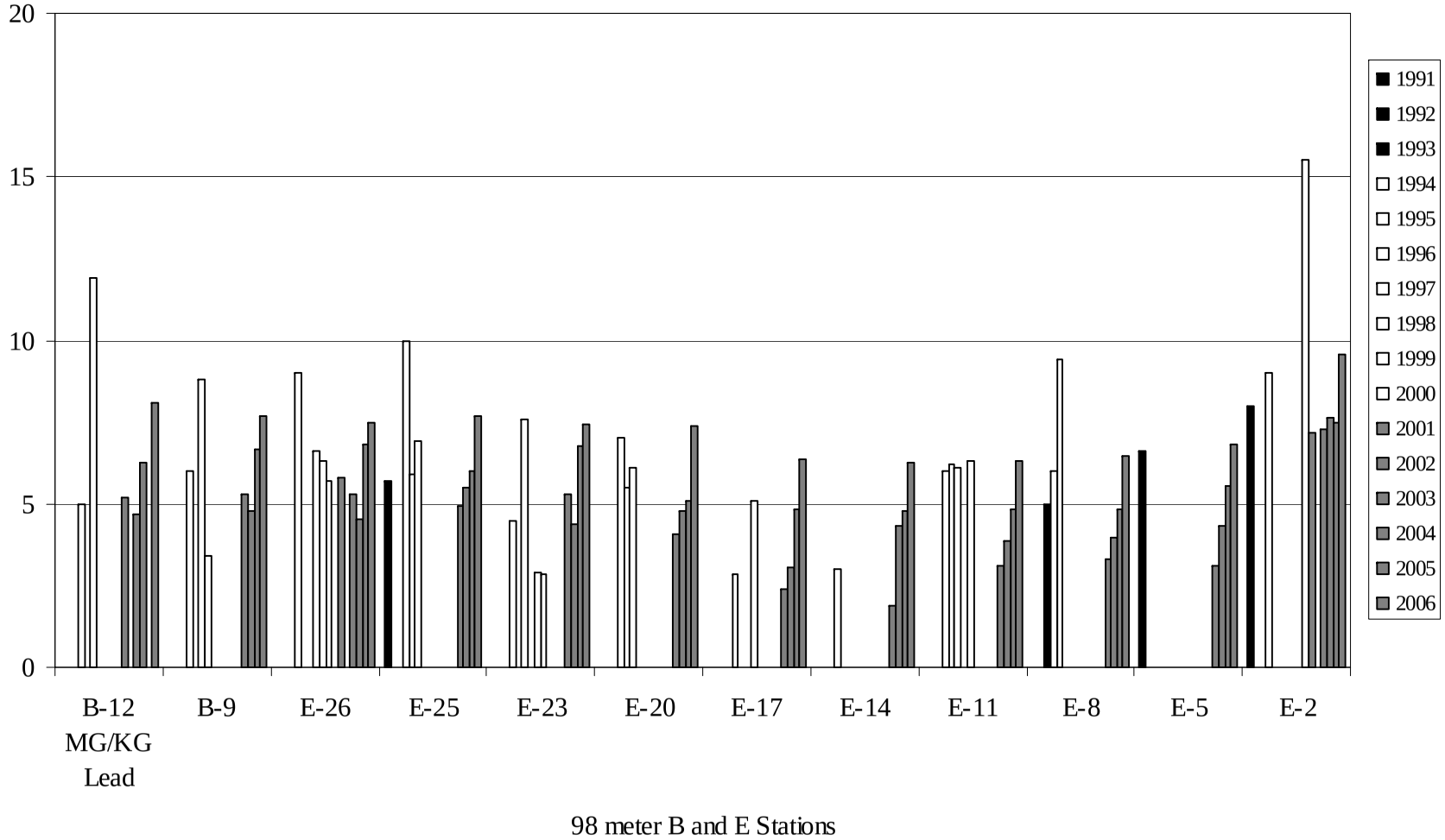


Figure A-19. Mercury concentrations (mg/kg or ppm) in sediment at 98 meter B and E stations during July (1991-2006).

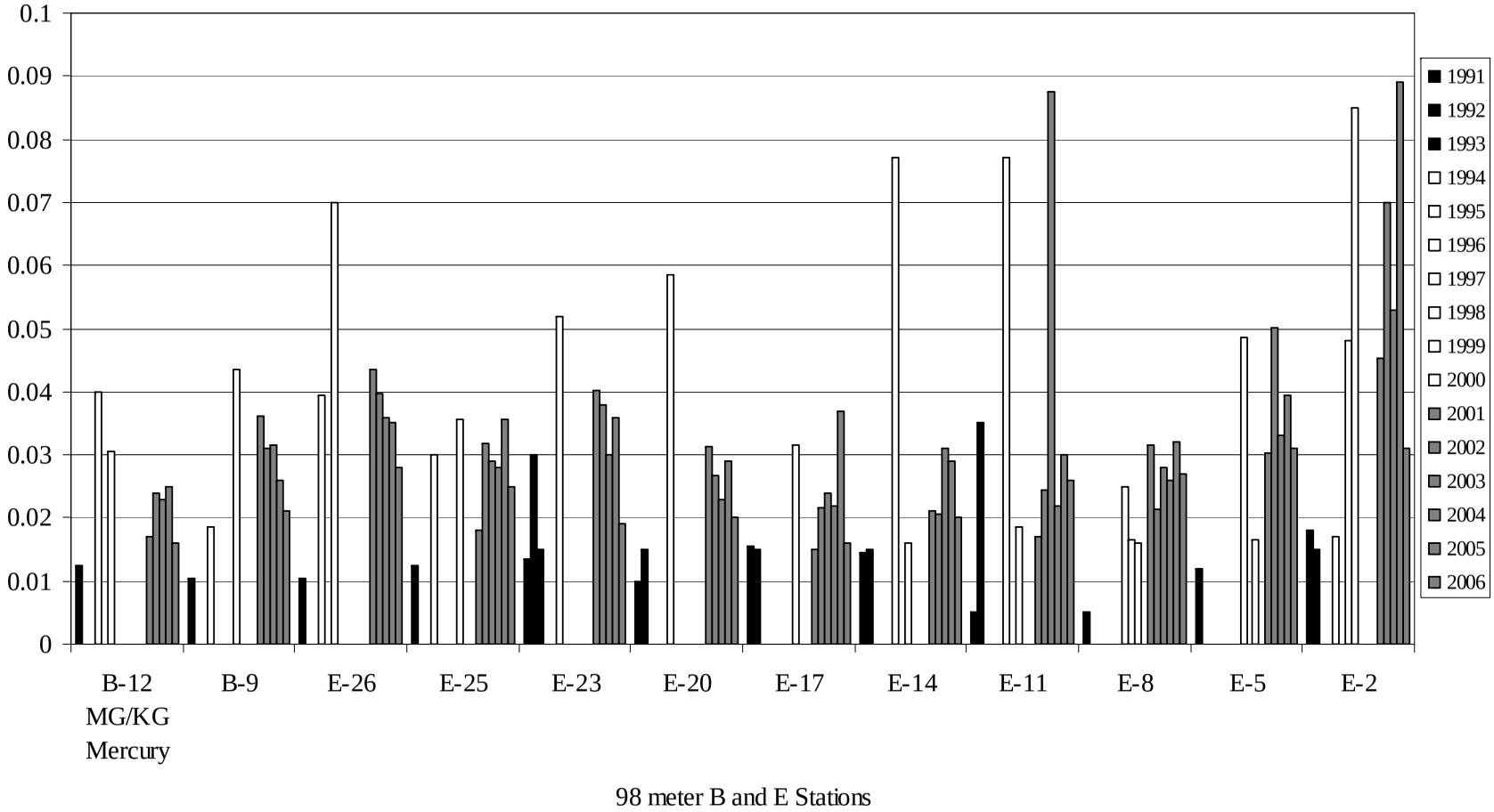


Figure A-20. Nickel concentrations (mg/kg or ppm) in sediment
at 98 meter B and E stations during July (1991-2006).

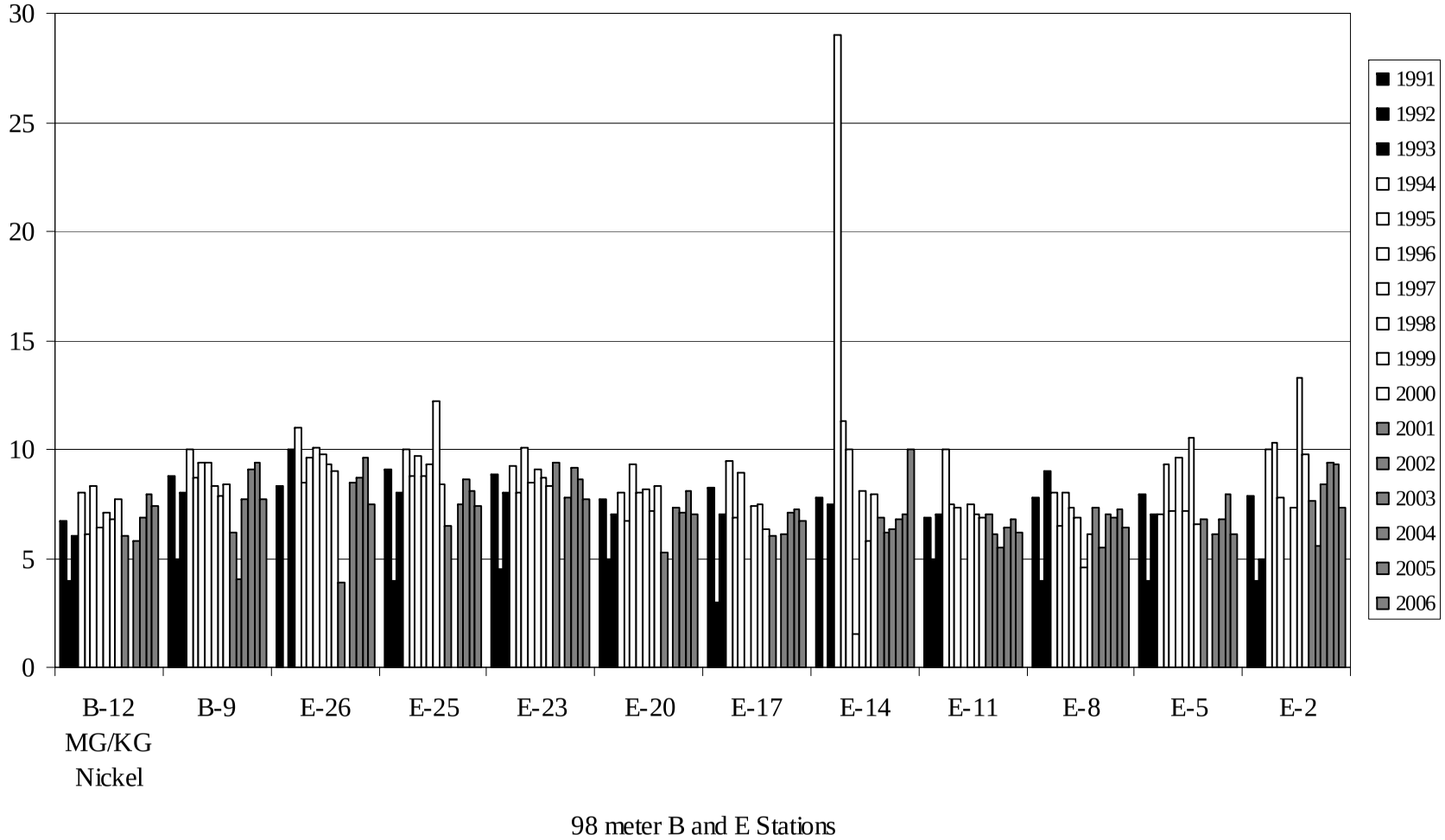


Figure A-21. Selenium concentrations (mg/kg or ppm) in sediment at 98 meter B and E stations during July (1991-2006).

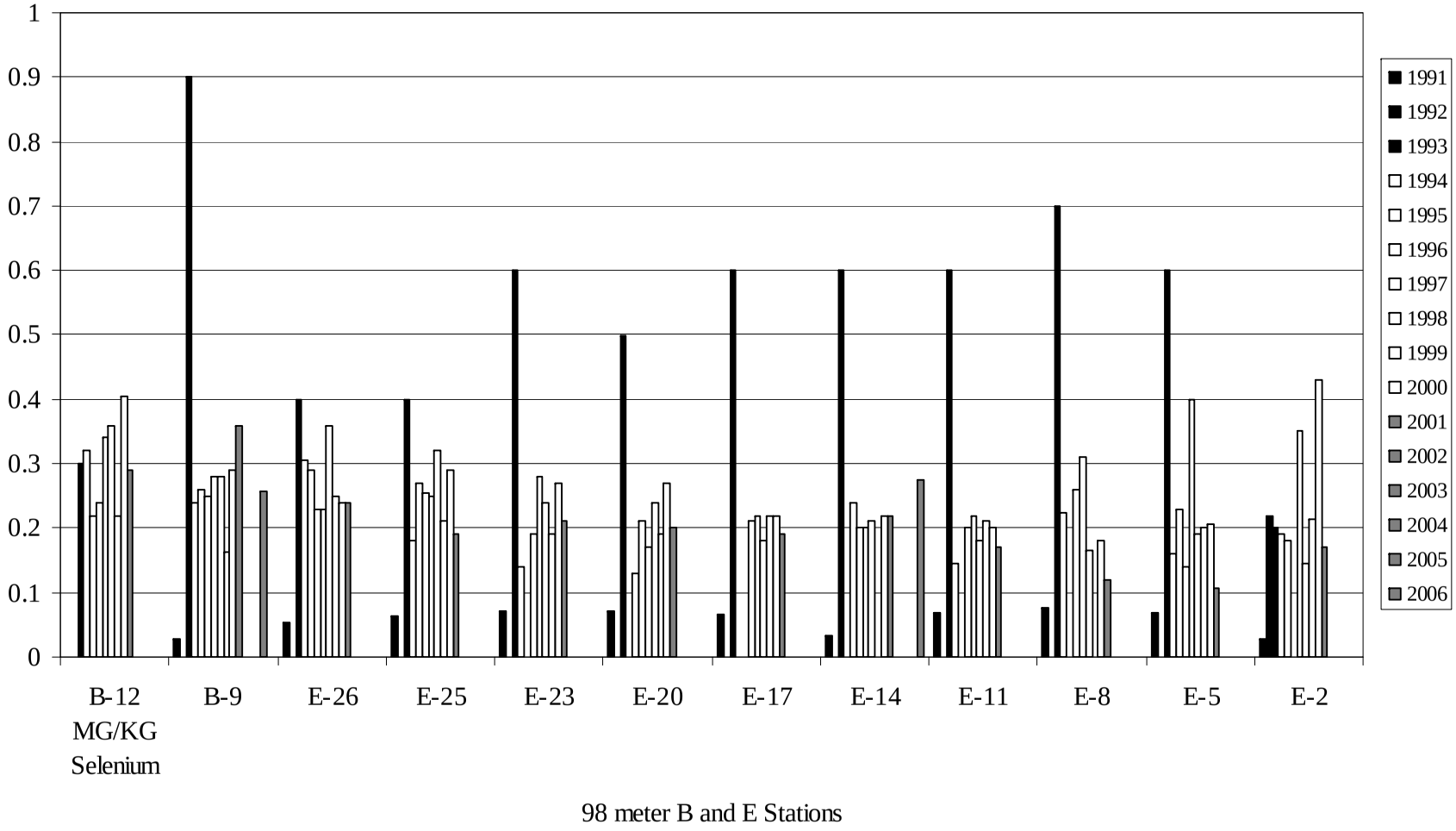


Figure A-22. Silver concentrations (mg/kg or ppm) in sediment
at 98 meter B and E stations during July (1991-2006).

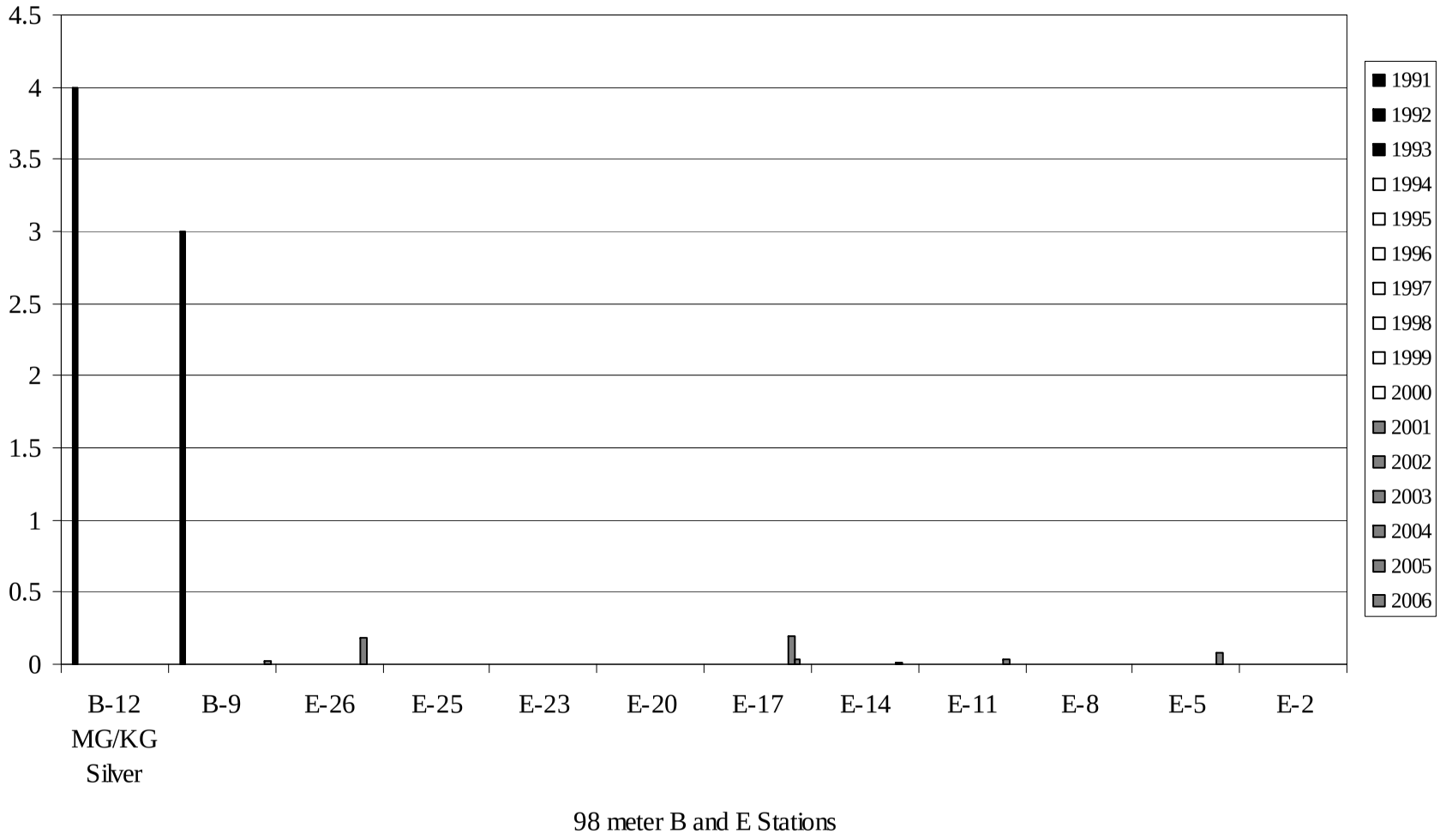


Figure A-23. Zinc concentrations (mg/kg or ppm) in sediment
at 98 meter B and E stations during July (1991-2006).

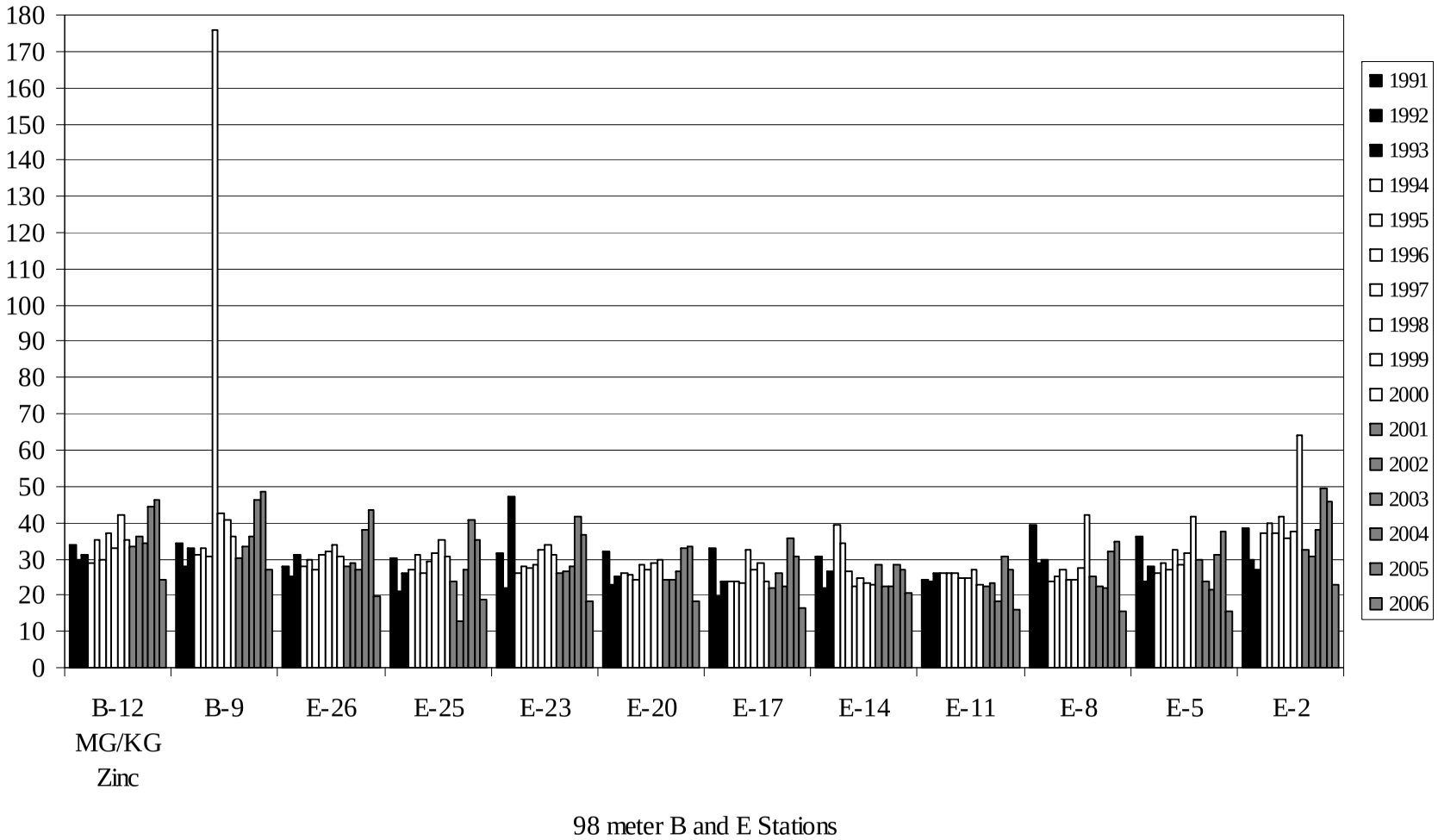


Figure A-24. Total DDTs concentrations (ng/kg or ppt) in sediment at 98 meter B and E stations during July (1991-2006).

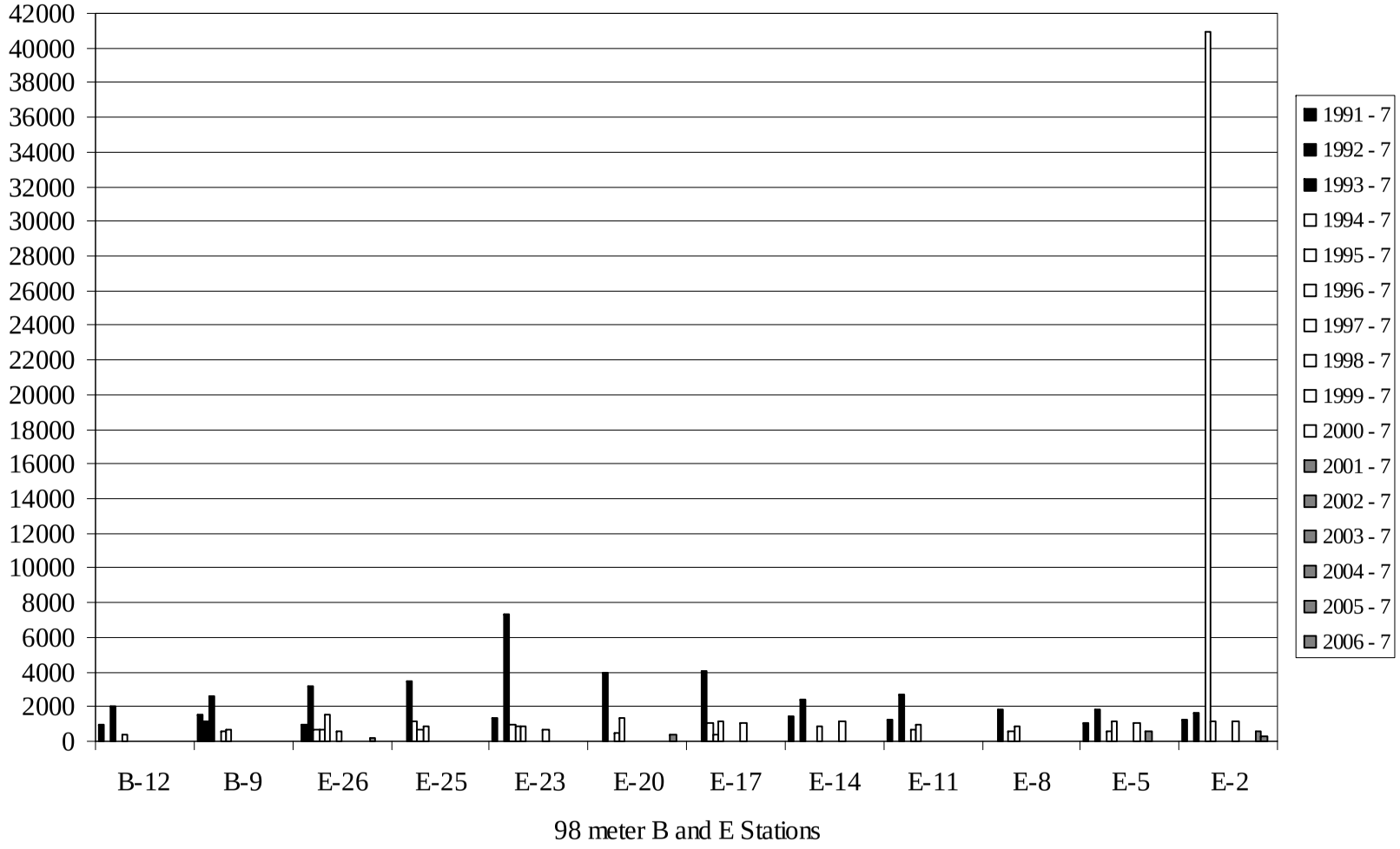


Figure A-25. Total PAHs concentrations (ug/kg or ppb) in sediment at 98 meter B and E stations during July (1991-2006).

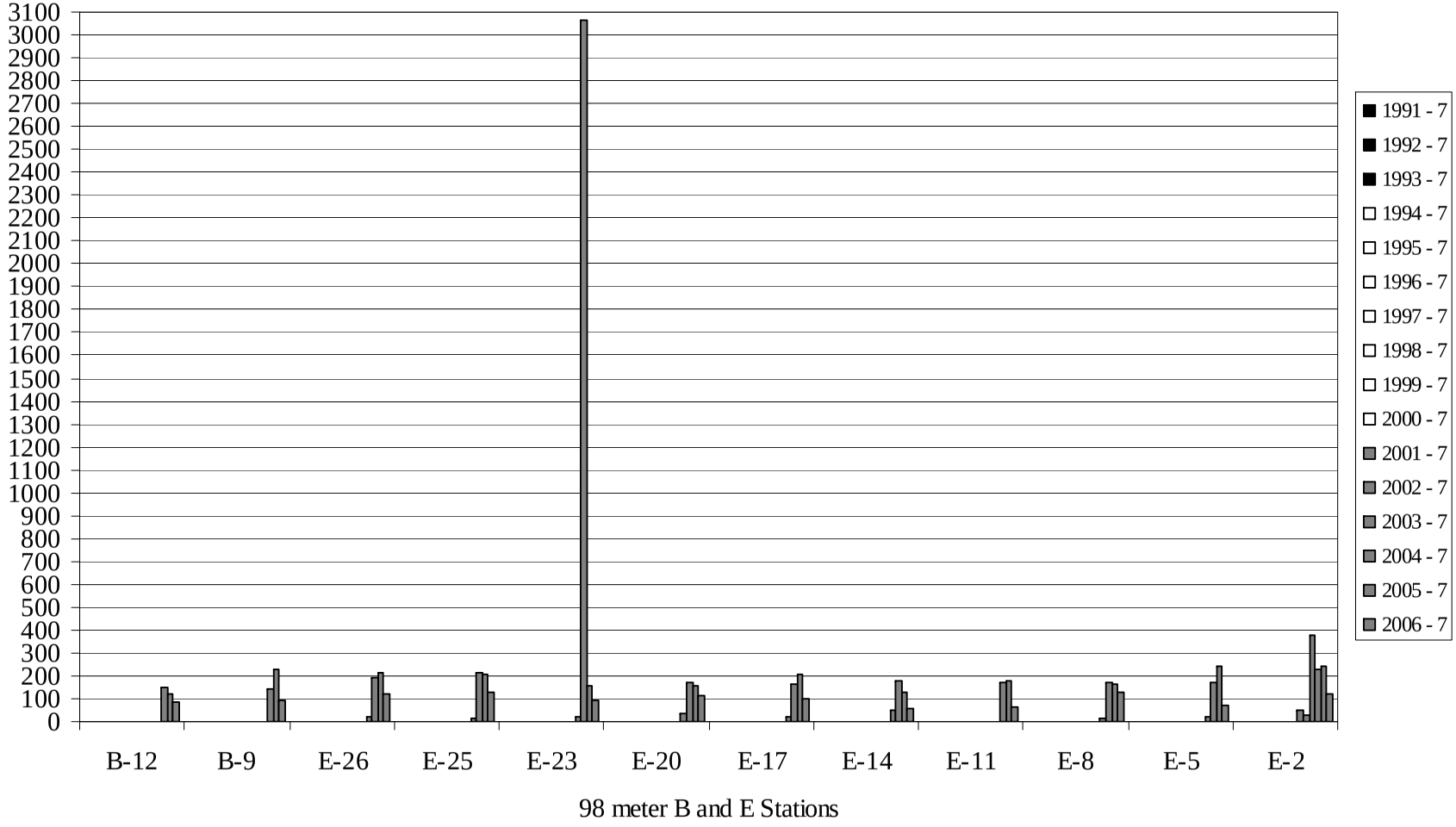


Figure A-26. Long-term average and standard deviation for chlorophyll a concentrations at 20, 60, 80, and 100 meter contours (October 2003 through October 2007).

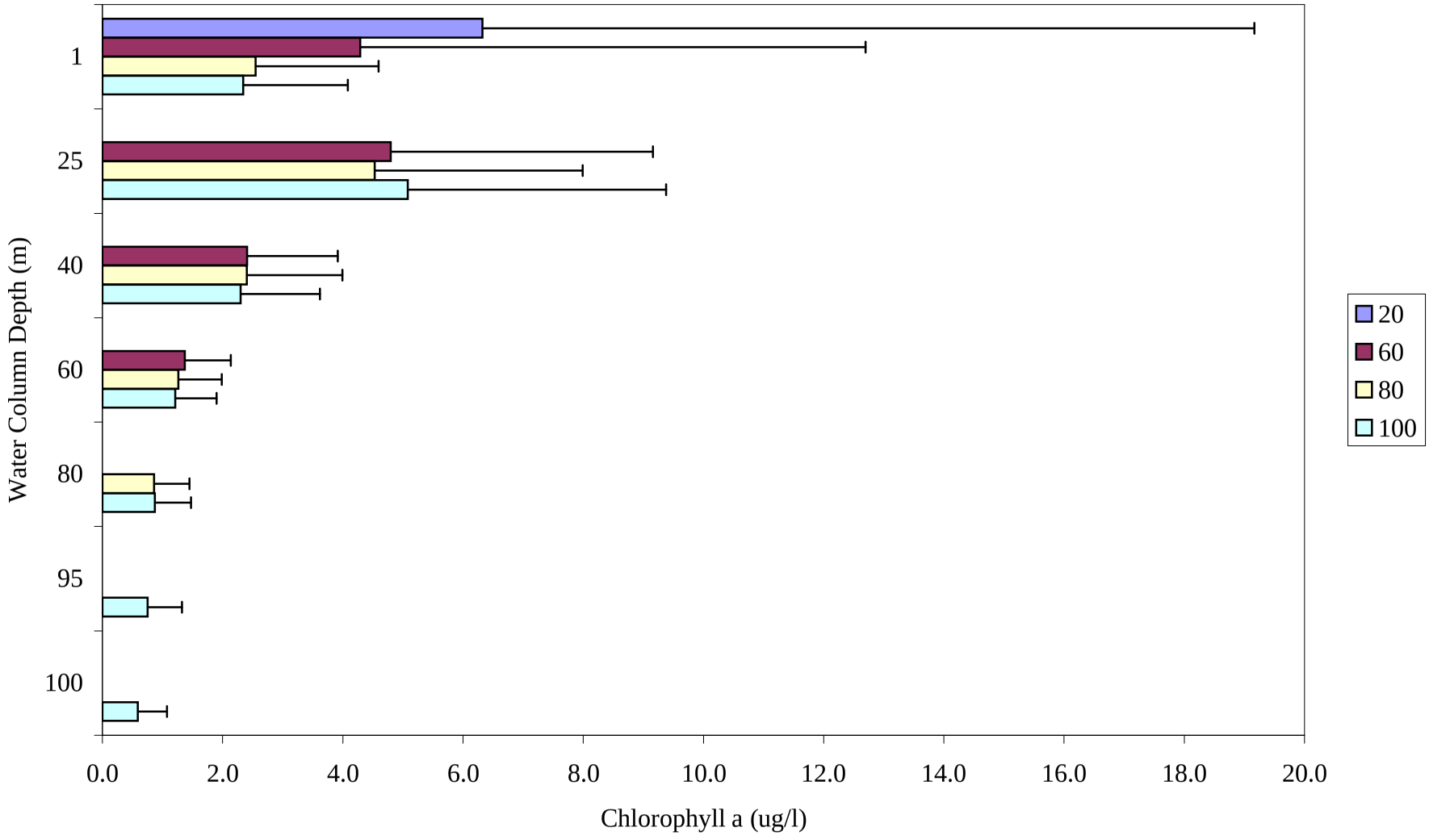


Figure A-27. Average species richness of benthic macrofauna per 0.1 m^2 in sediment at 98 meter B and E stations during July (1991-2006).

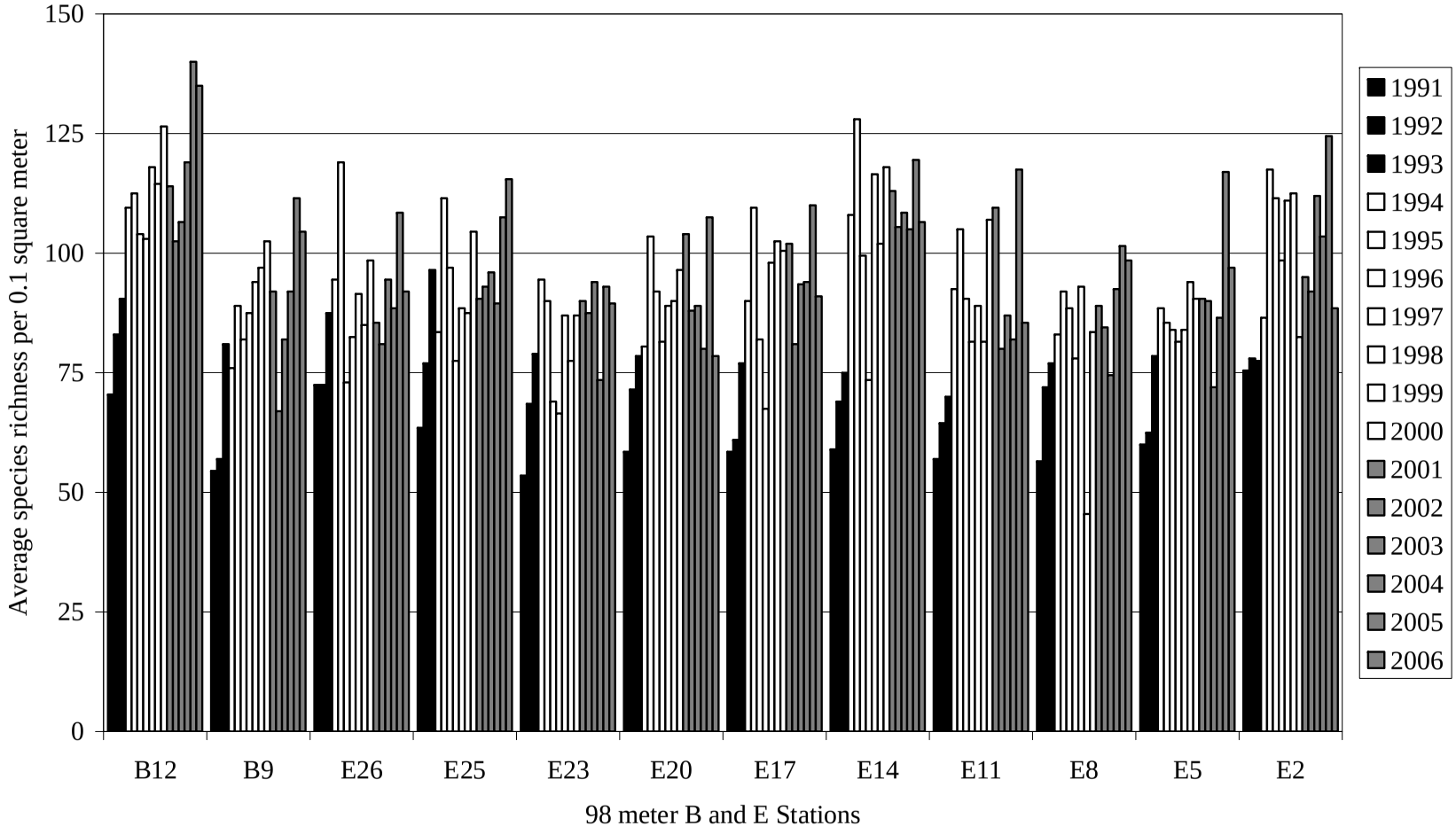


Figure A-28. Average total abundance of benthic macrofauna taxa per 0.1 m^2 in sediment at 98 meter B and E stations during July (1991-2006).

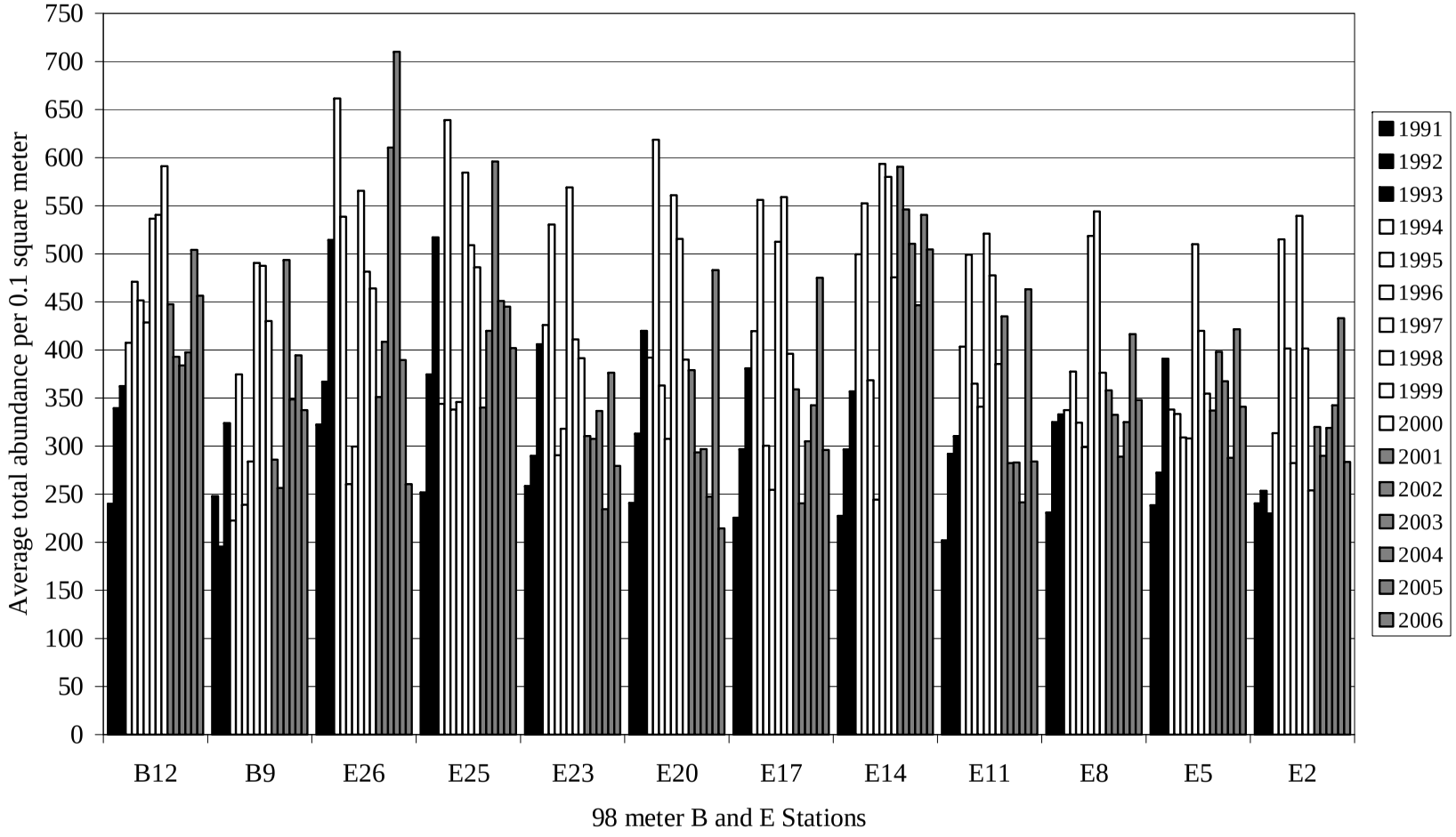


Figure A-29. Average abundance of *Amphiodia* spp. per 0.1 m^2 in sediment at 98 meter B and E stations during July (1991-2006).

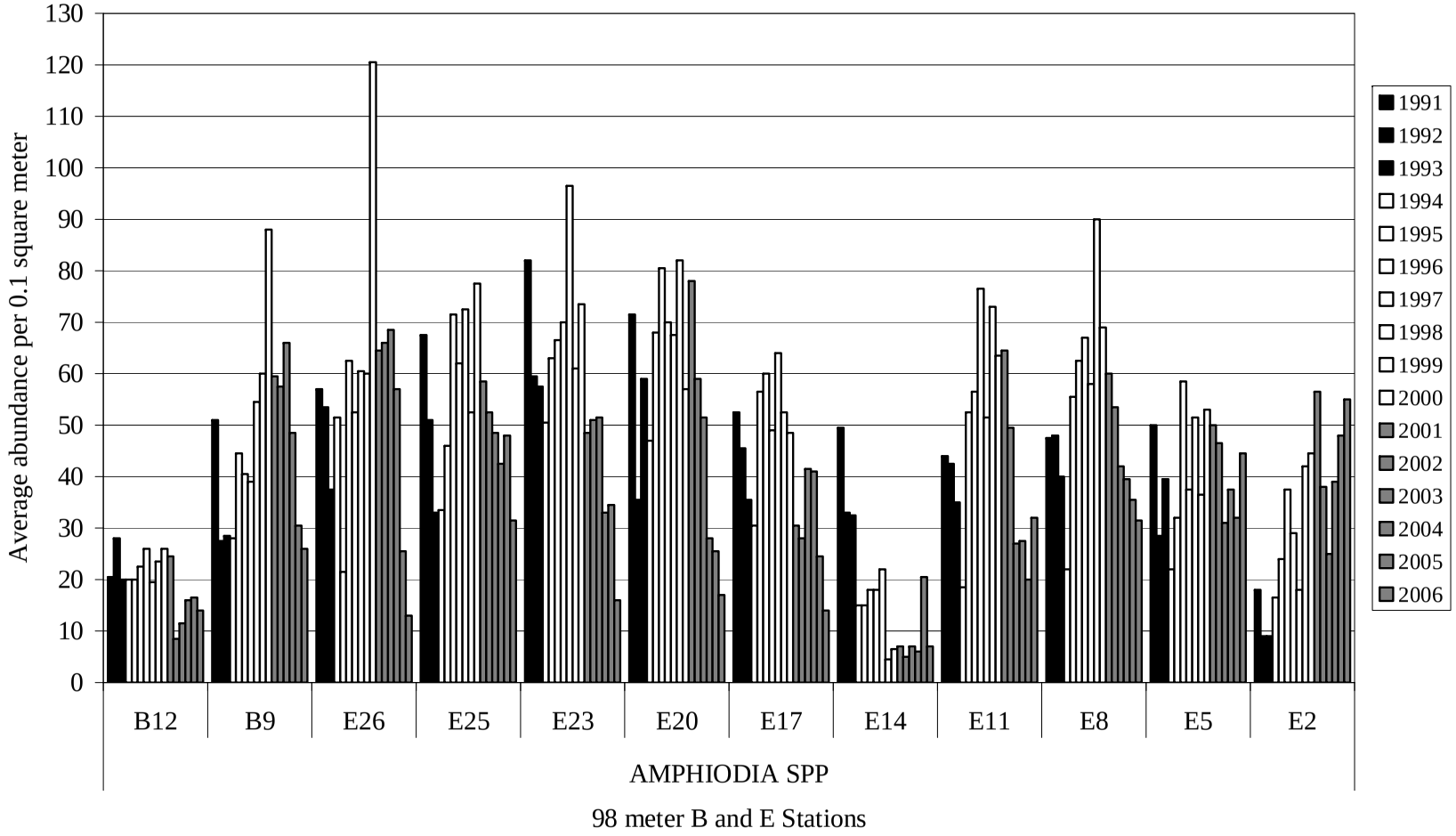


Figure A-30. Average abundance of *Euphilomedes* spp. per 0.1 m^2 in sediment at 98 meter B and E stations during July (1991-2006).

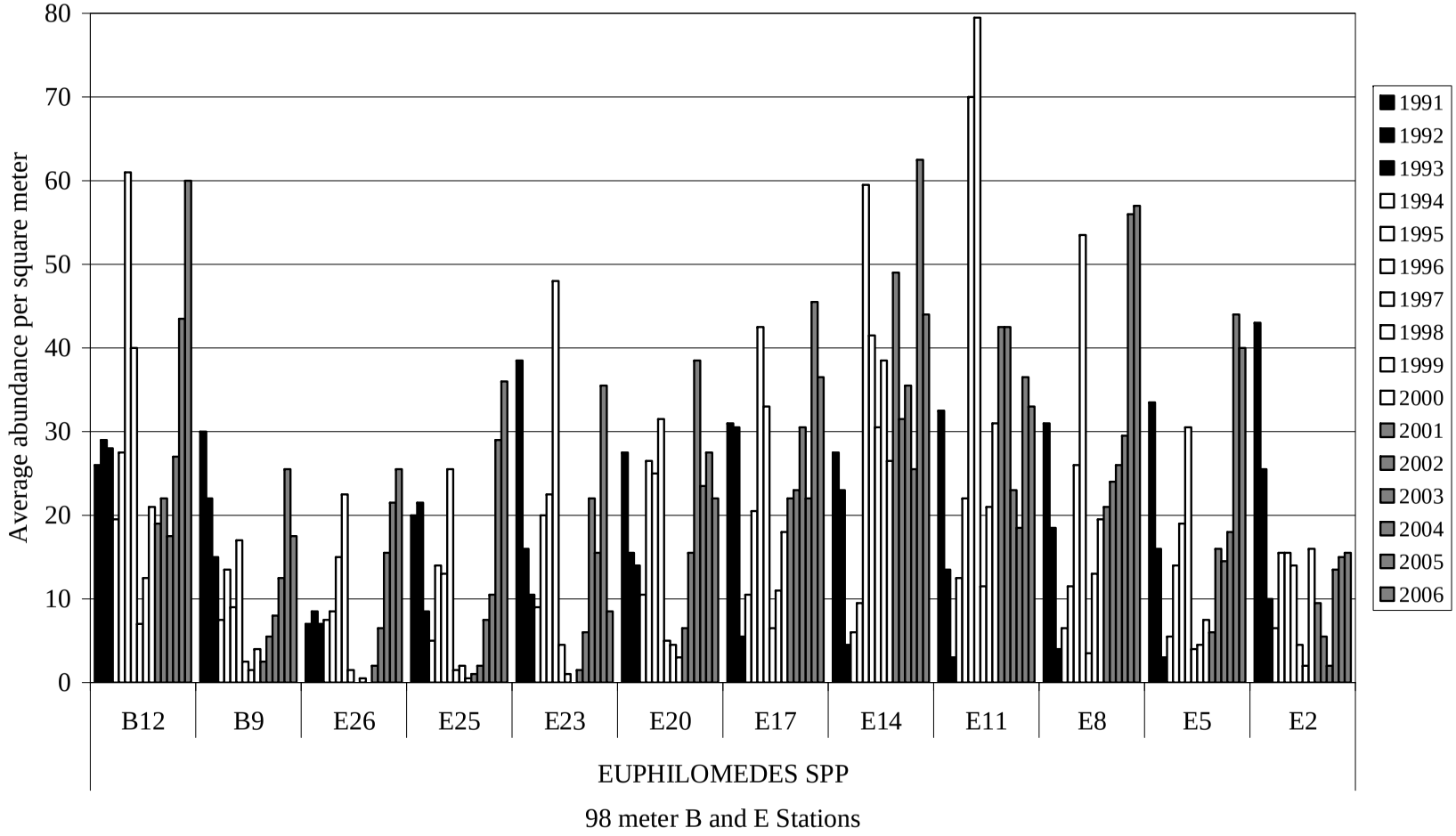


Figure A-31. Average abundance of *Parvilucina tenuisculpta* per 0.1 meter^2 in sediment at 98 meter B and E stations during July (1991-2006).

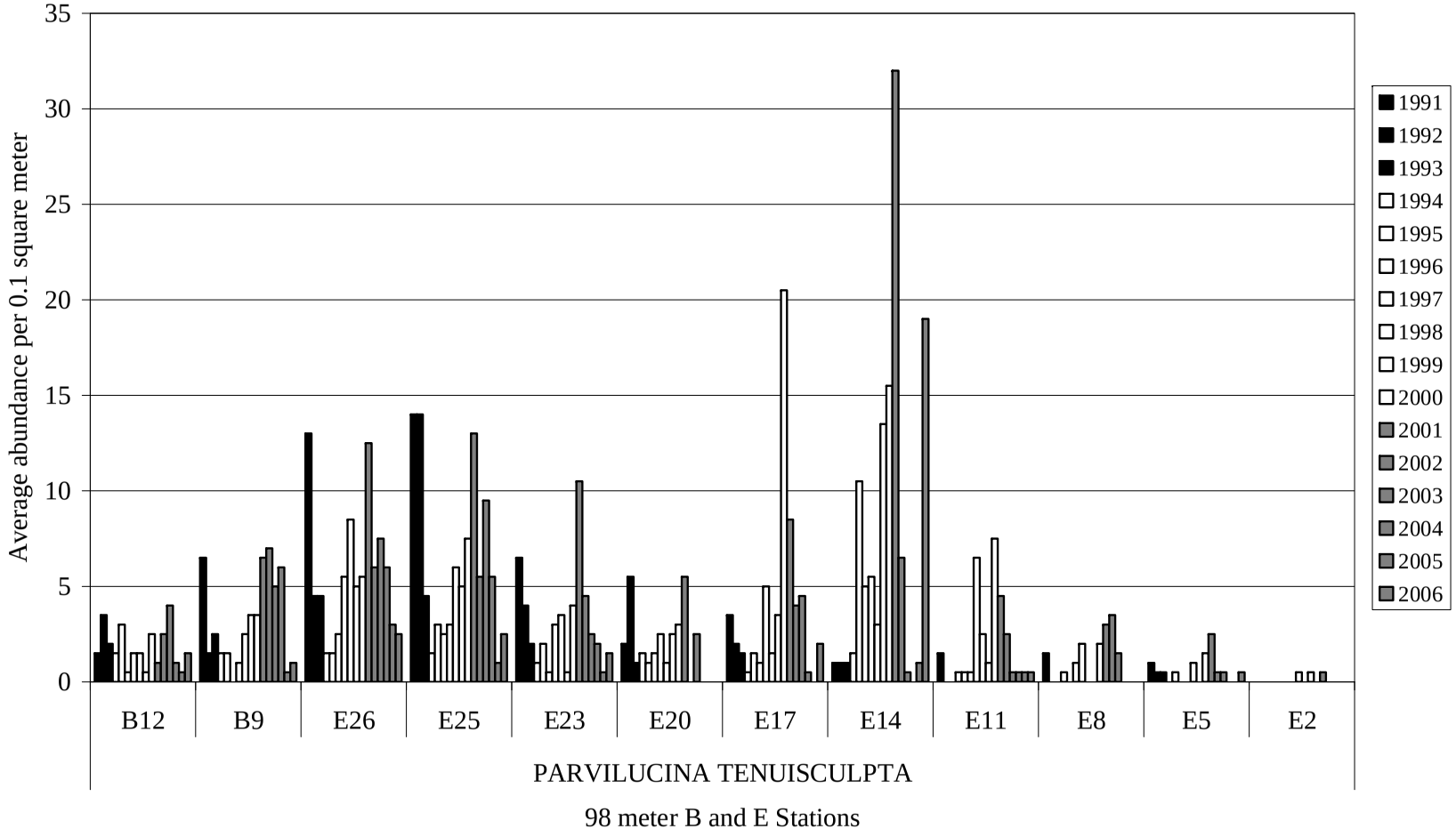


Figure A-32. Average abundance of *Capitella "capitata"* (=species complex) per 0.1 m^2 in sediment at 98 meter B and E stations during July (1991-2006).

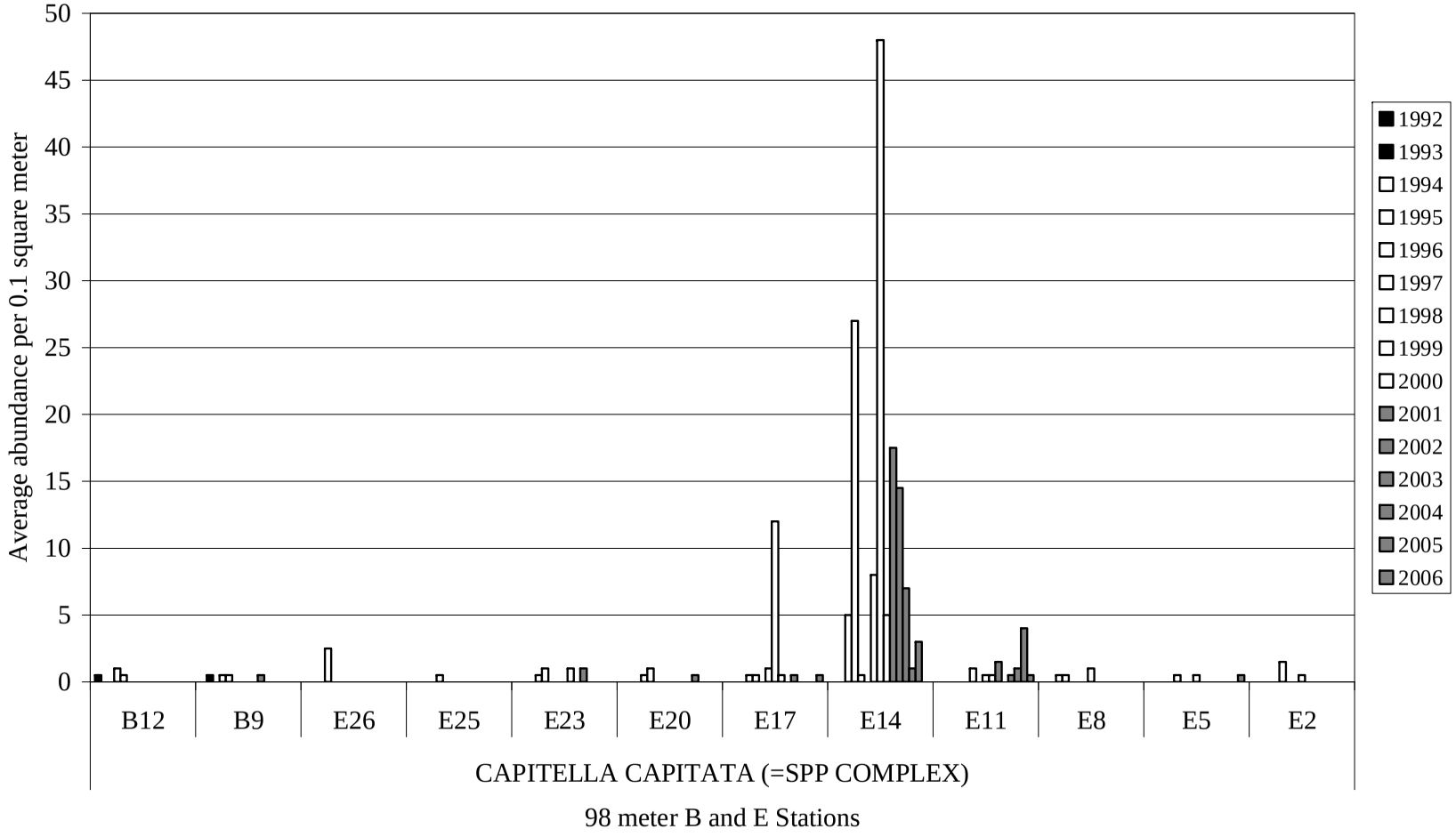


Figure A-33. Map of trawl fishing zones and rig fishing monitoring station locations in offshore area.

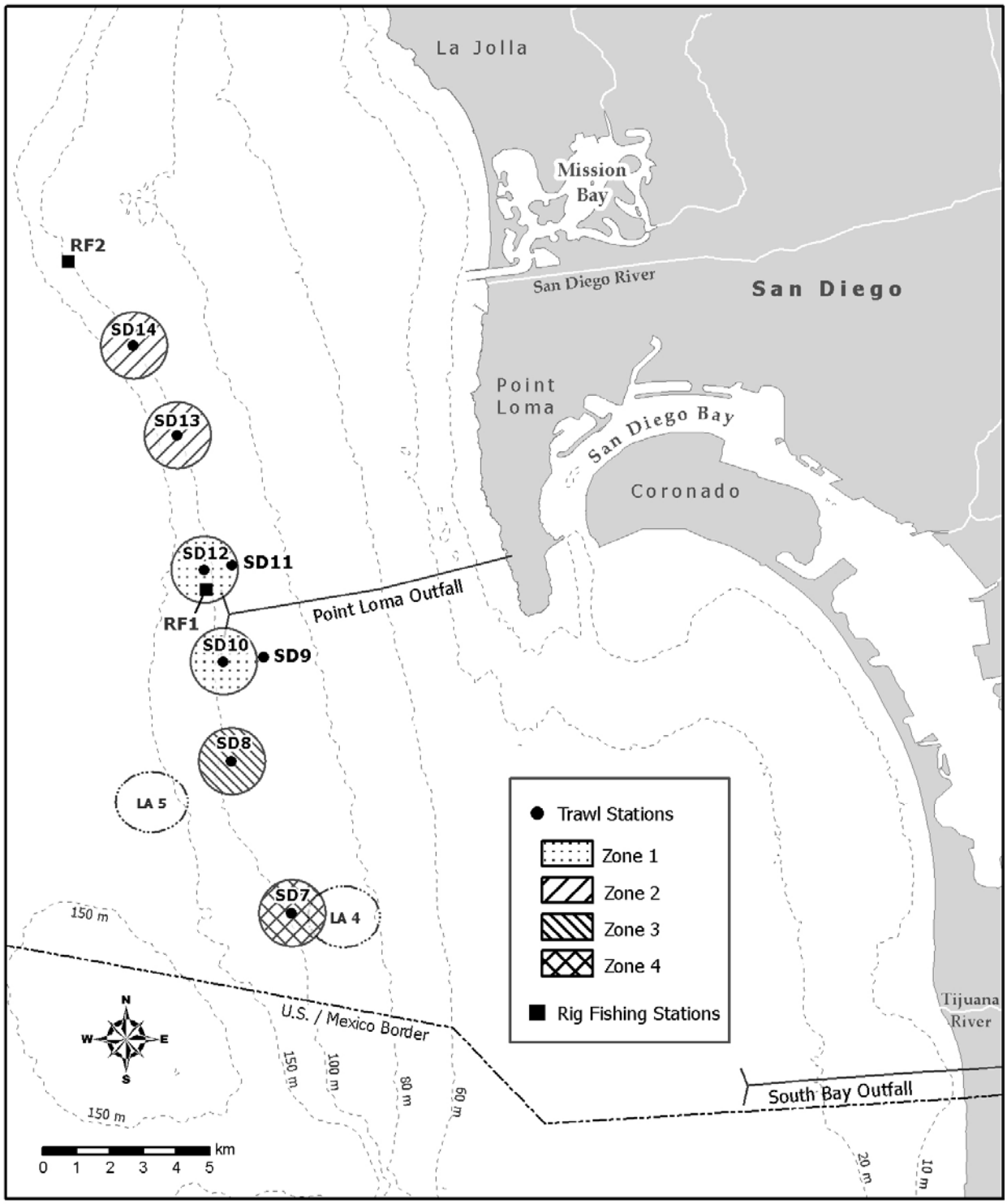


Figure A-34. Average arsenic concentrations in flatfish liver at 98 meter trawl fishing zone (TFZ) stations during October (1995-2006).

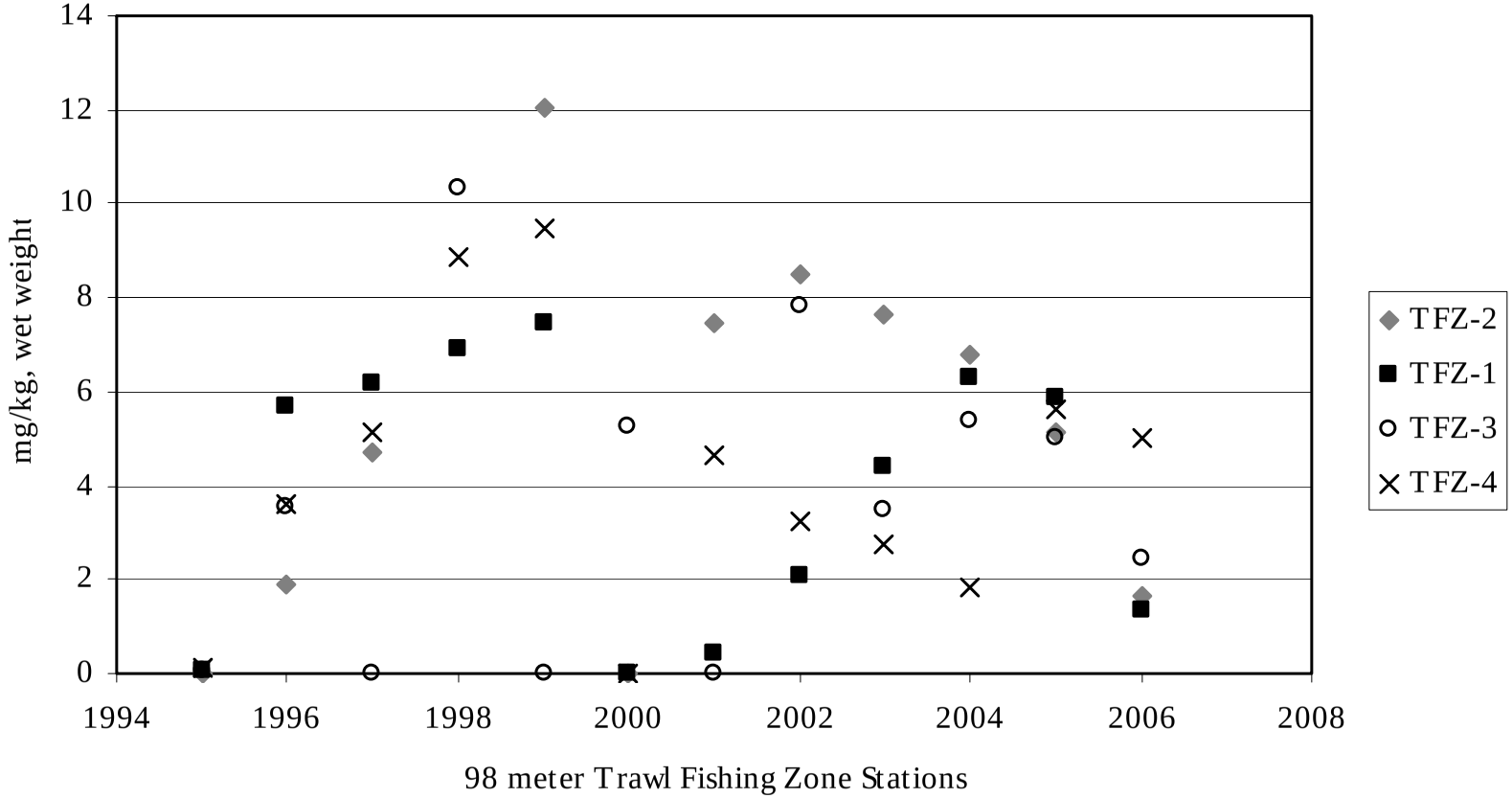


Figure A-35. Average mercury concentrations in flatfish liver at 98 meter trawl fishing zone (TFZ) stations during October (1995-2006).

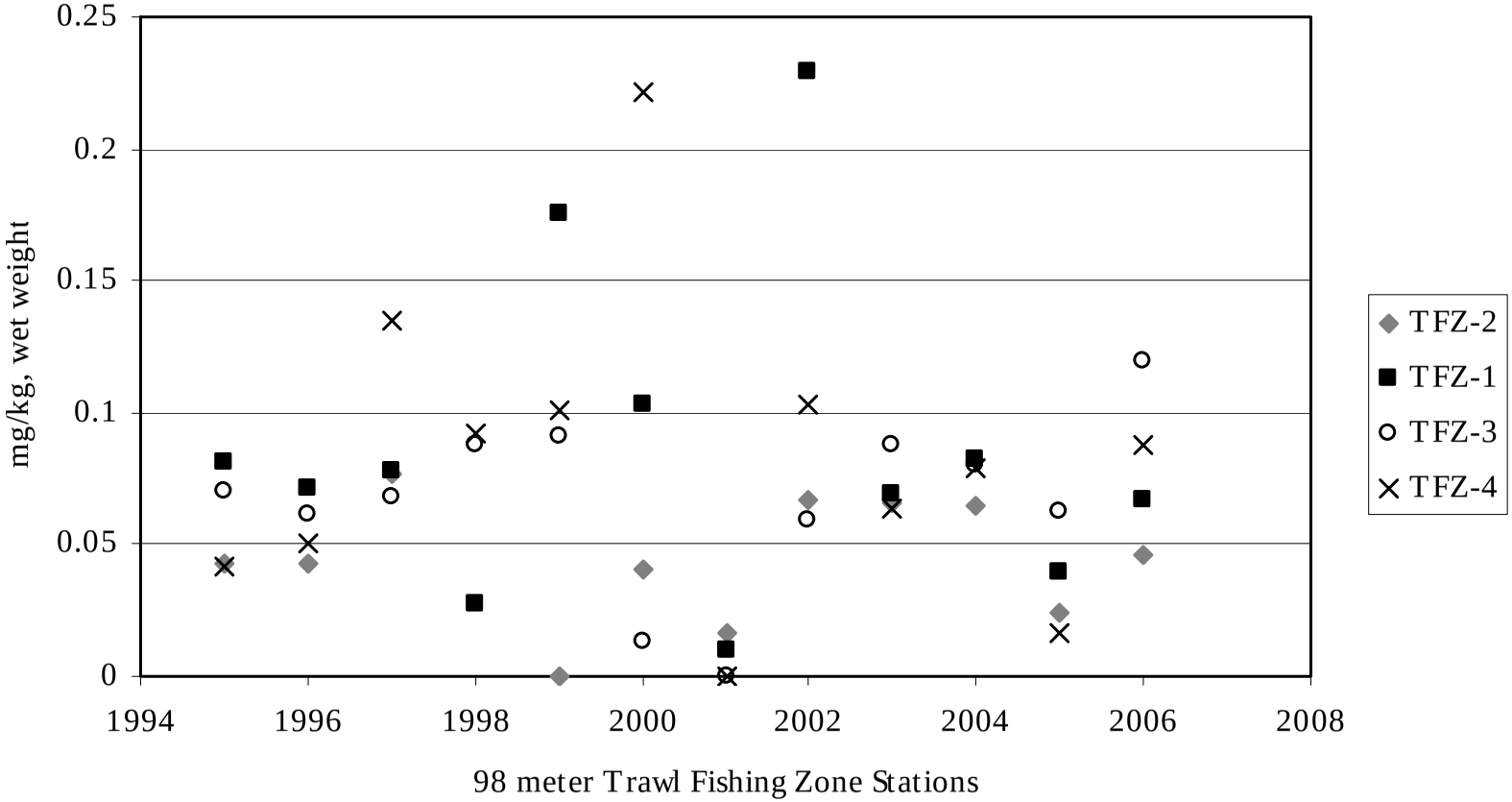


Figure A-36. Average selenium concentrations in flatfish liver at 98 meter trawl fishing zone (TFZ) stations during October (1995-2006).

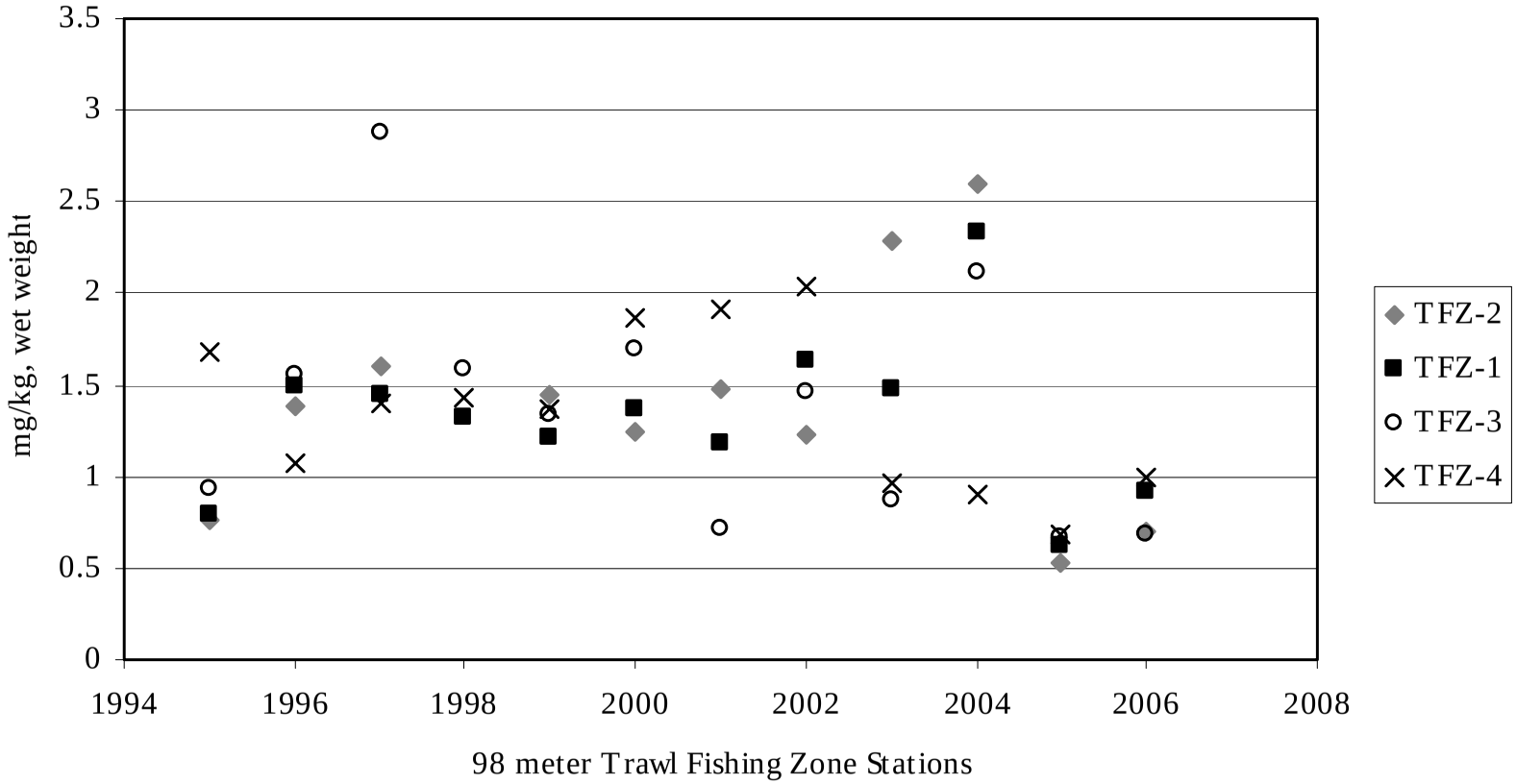


Figure A-37. Average hexachlorobenzene concentrations in flatfish liver at 98 meter trawl fishing zone (TFZ) stations during October (1995-2006).

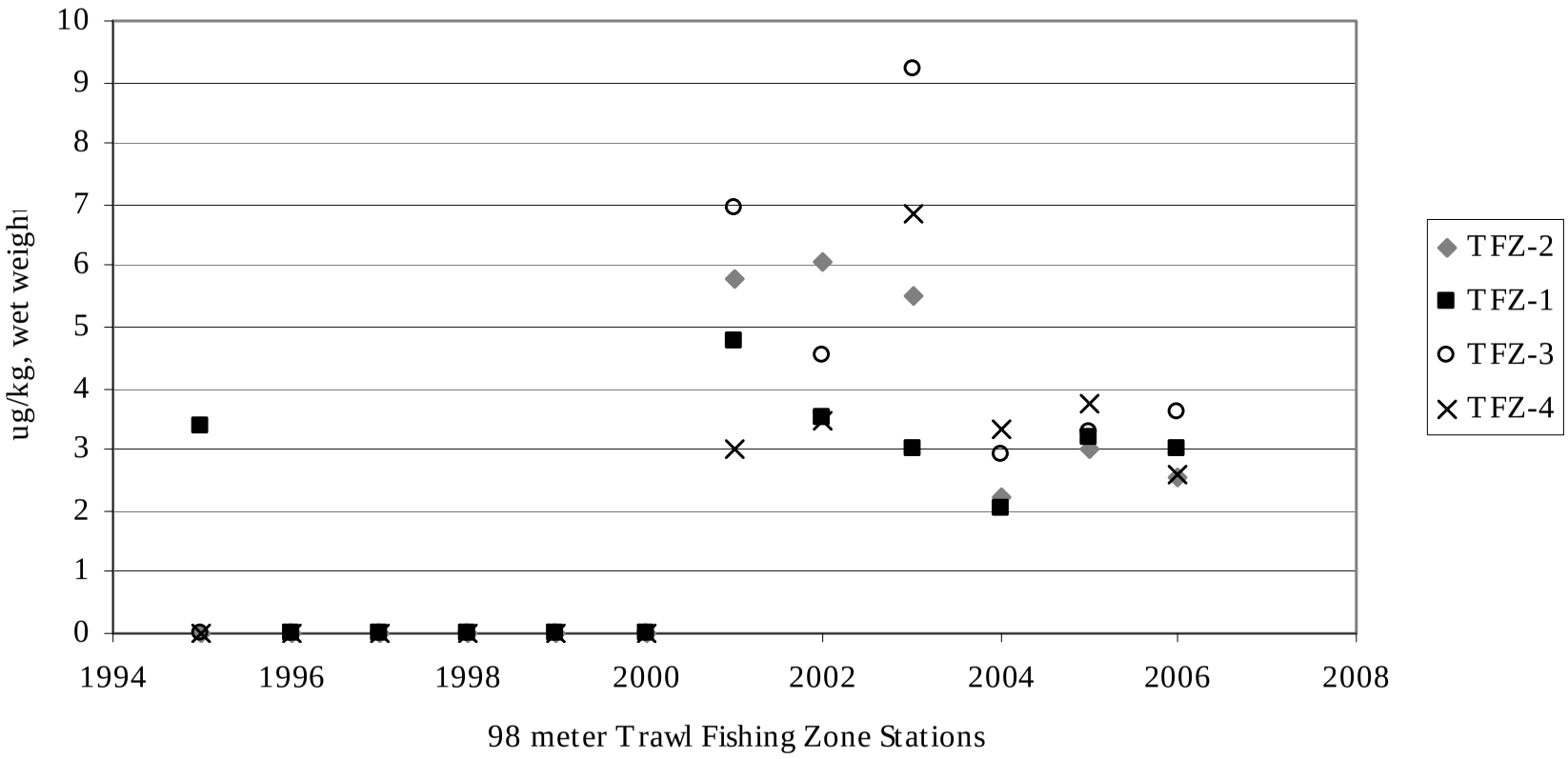


Figure A-38. Average total chlordane concentrations in flatfish liver at 98 meter trawl fishing zone (TFZ) stations during October (1995-2006).

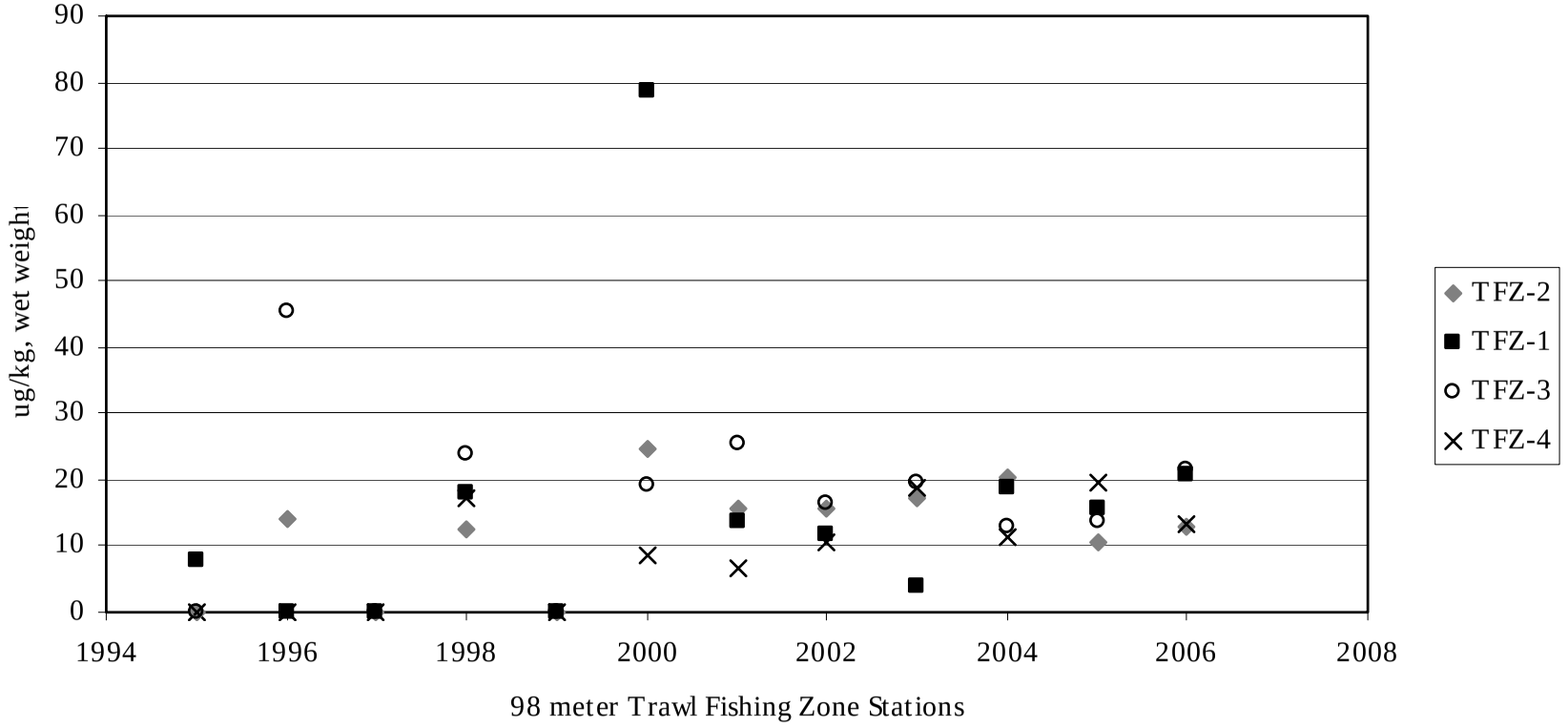


Figure A-39. Average total DDT concentrations in flatfish liver at 98 meter trawl fishing zone (TFZ) stations during October (1995-2006).

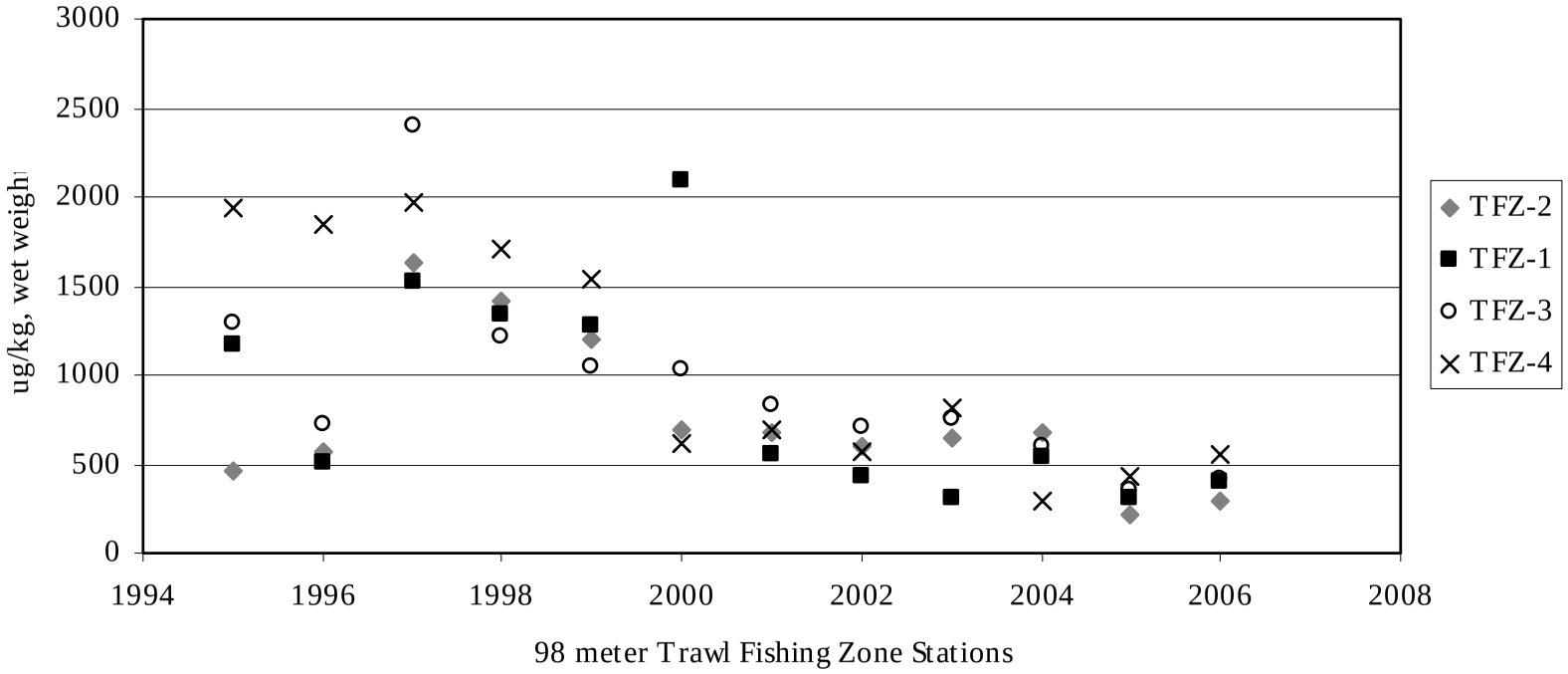


Figure A-40. Average total PCB concentrations in flatfish liver at 98 meter trawl fishing zone (TFZ) stations during October (1995-2006).

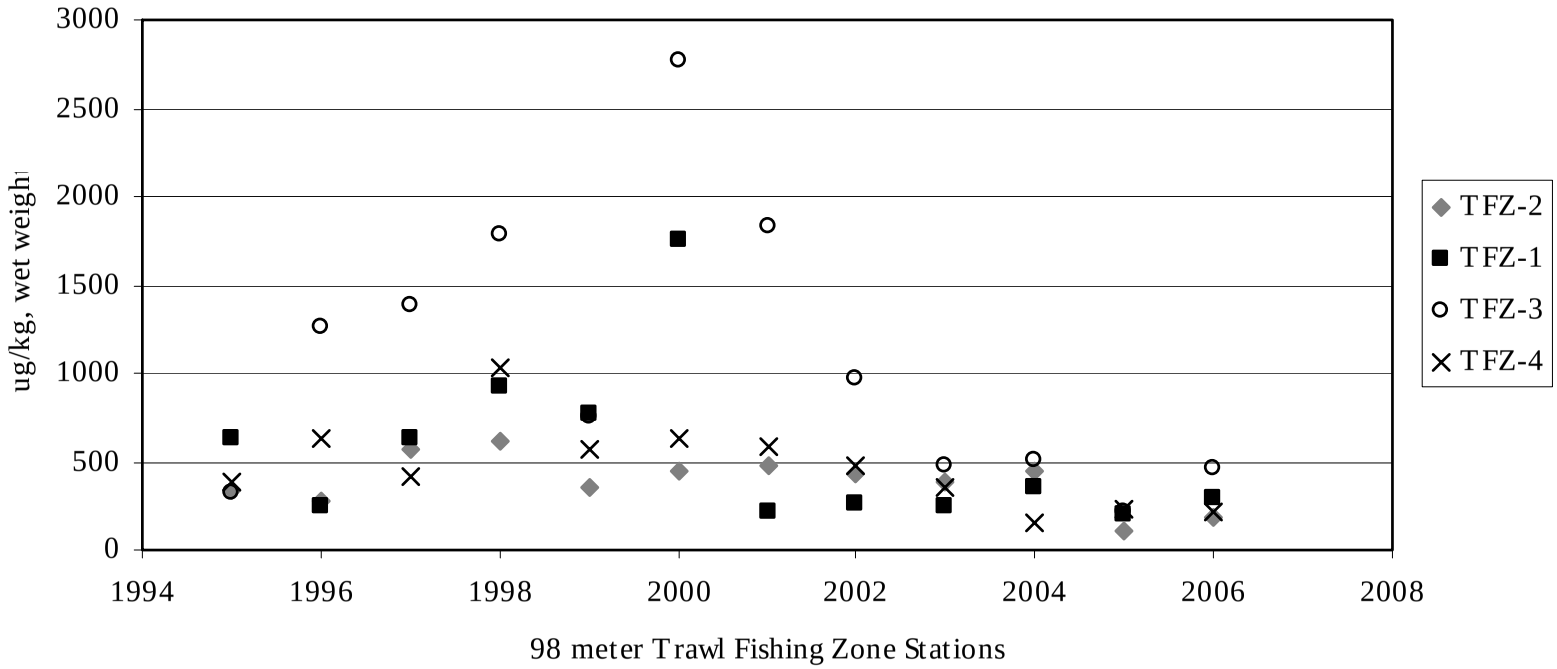


Figure A-41. Average arsenic concentrations in rockfish muscle at 98 meter rig fishing (RF) stations during October (1995-2006).

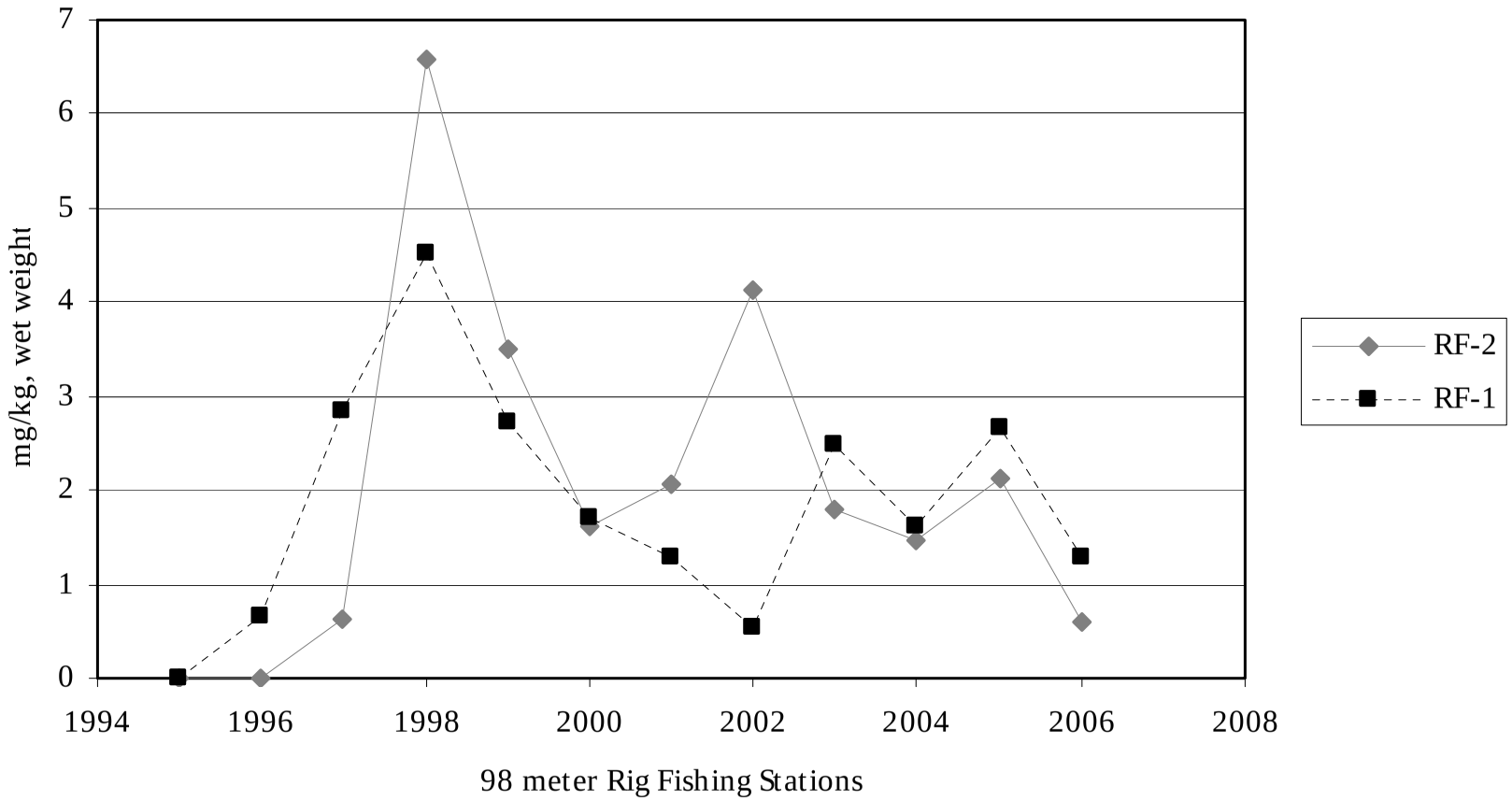


Figure A-42. Average cadmium concentrations in rockfish muscle at 98 meter rig fishing (RF) stations during October (1995-2006).

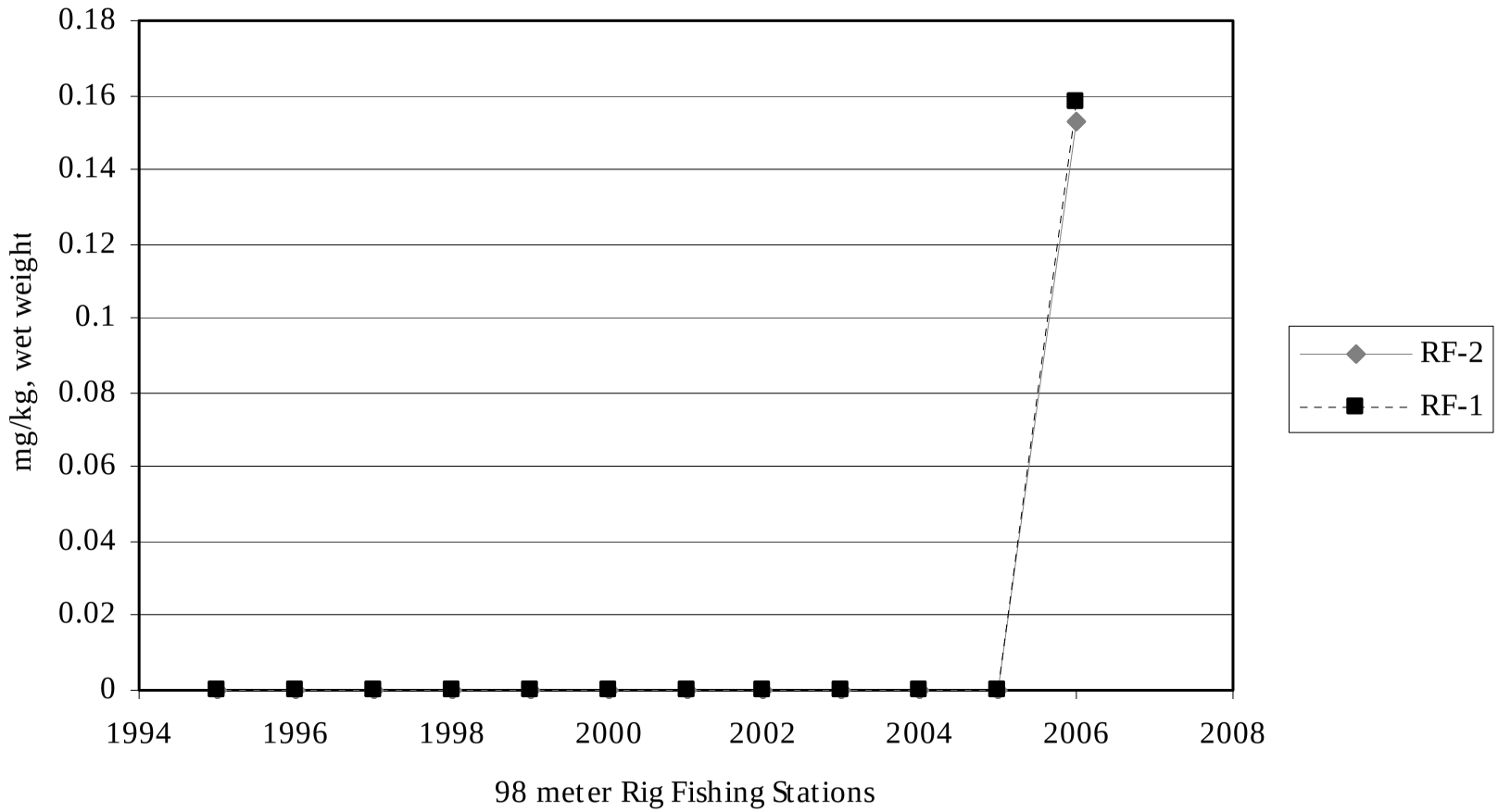


Figure A-43. Average chromium concentrations in rockfish muscle at 98 meter rig fishing (RF) stations during October (1995-2006).

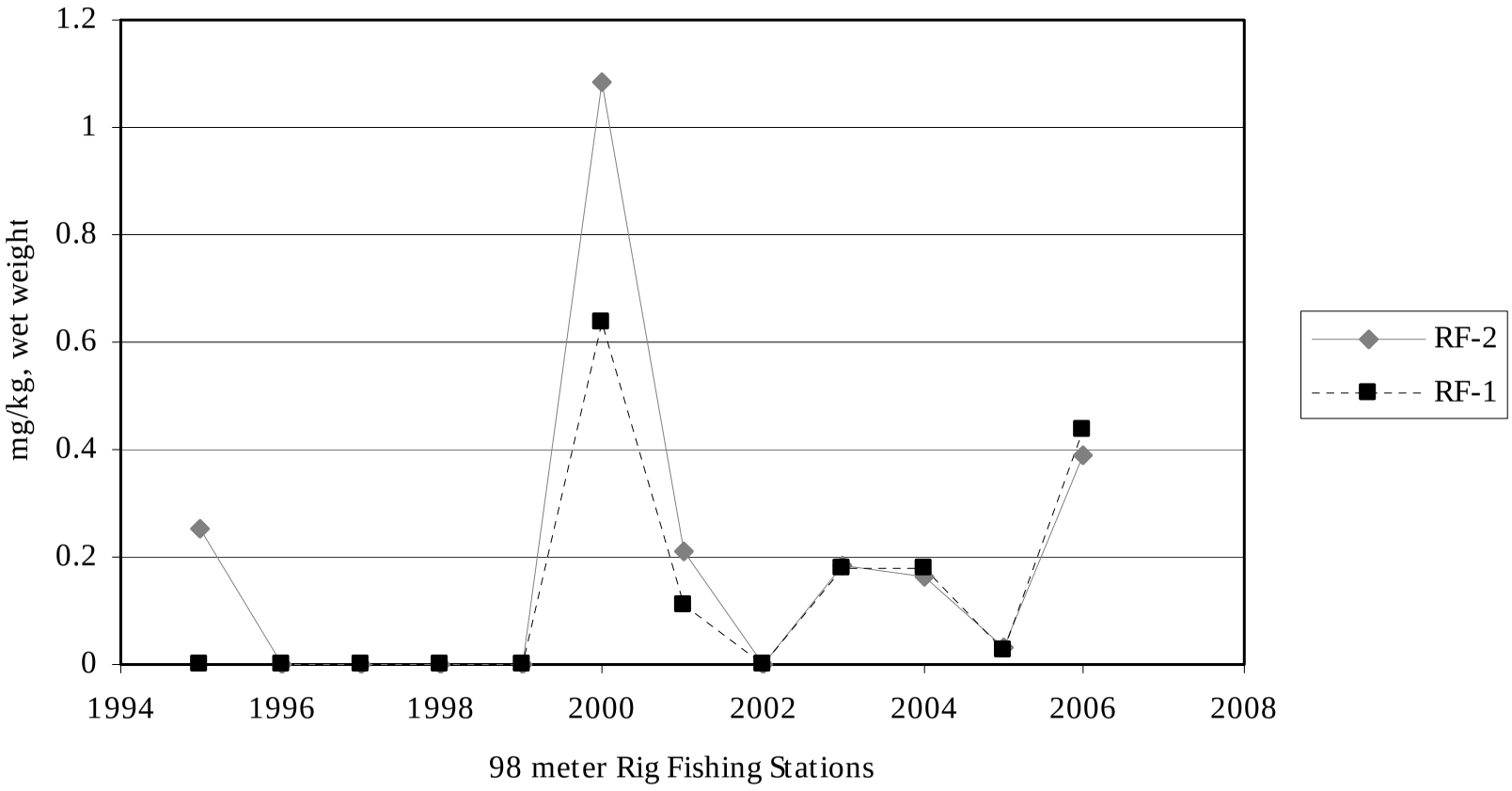


Figure A-44. Average copper concentrations in rockfish muscle at 98 meter rig fishing (RF) stations during October (1995-2006).

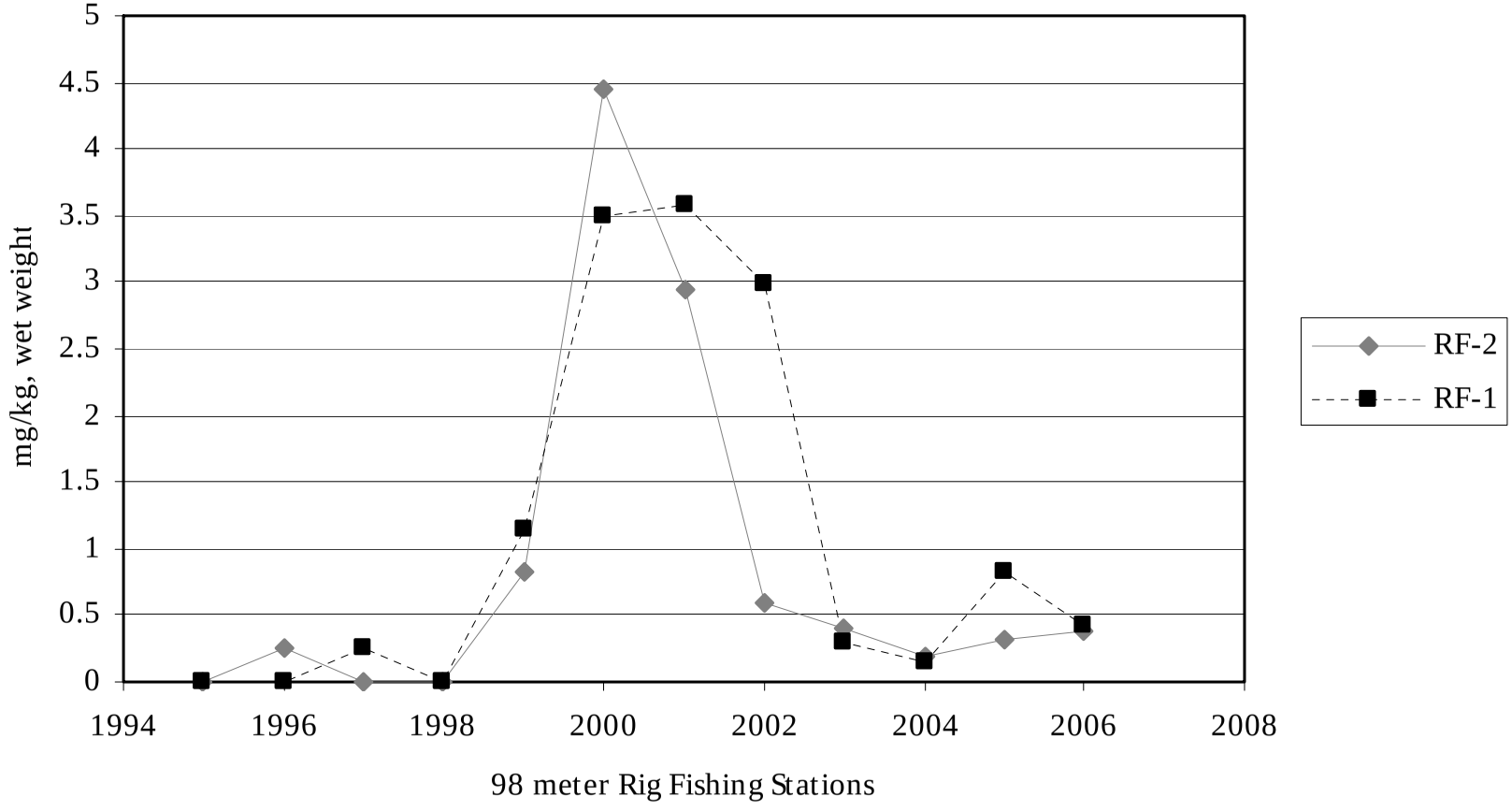


Figure A-45. Average lead concentrations in rockfish muscle at 98 meter rig fishing (RF) stations during October (1995-2006).

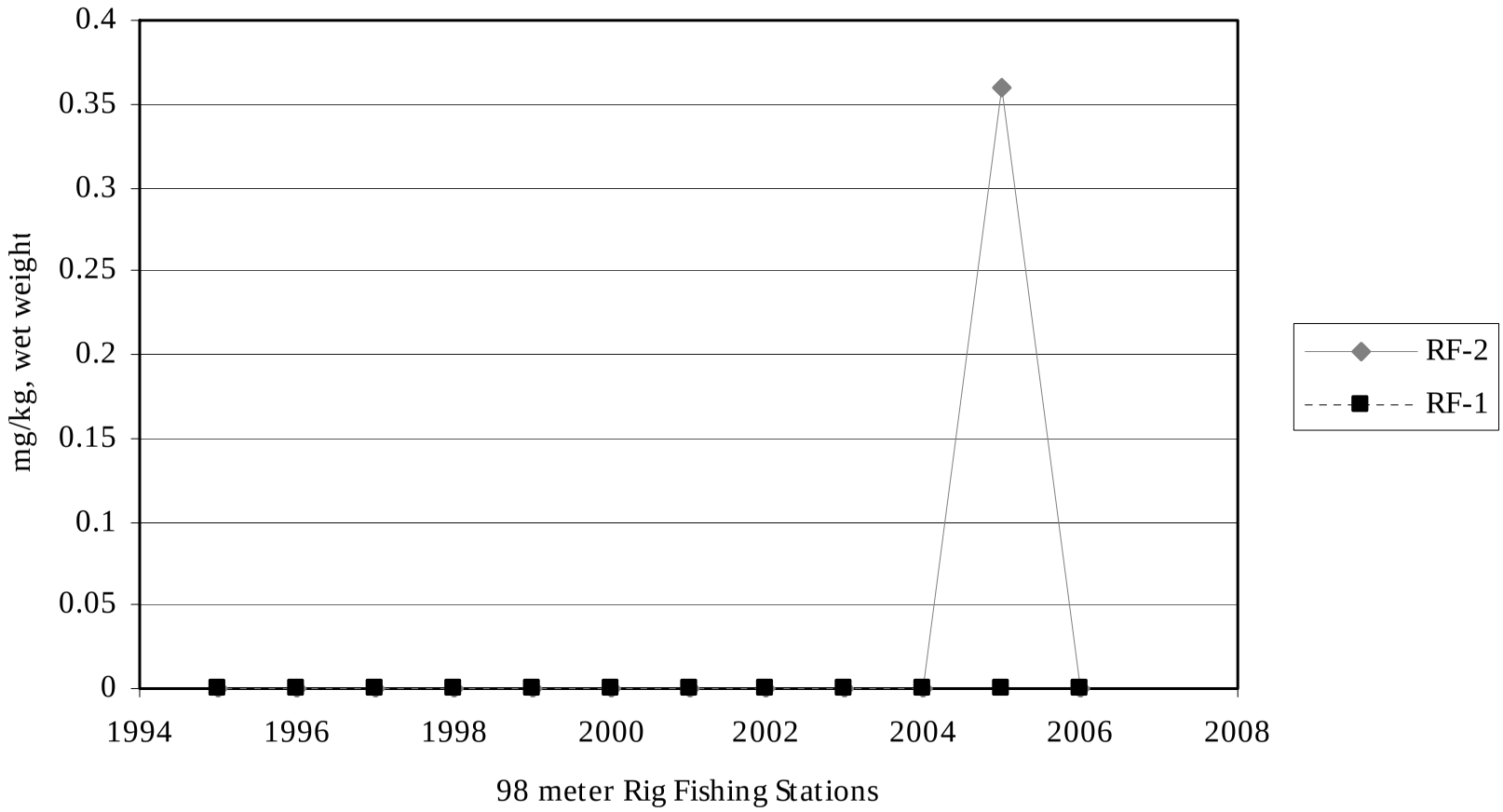


Figure A-46. Average mercury concentrations in rockfish muscle at 98 meter rig fishing (RF) stations during October (1995-2006).

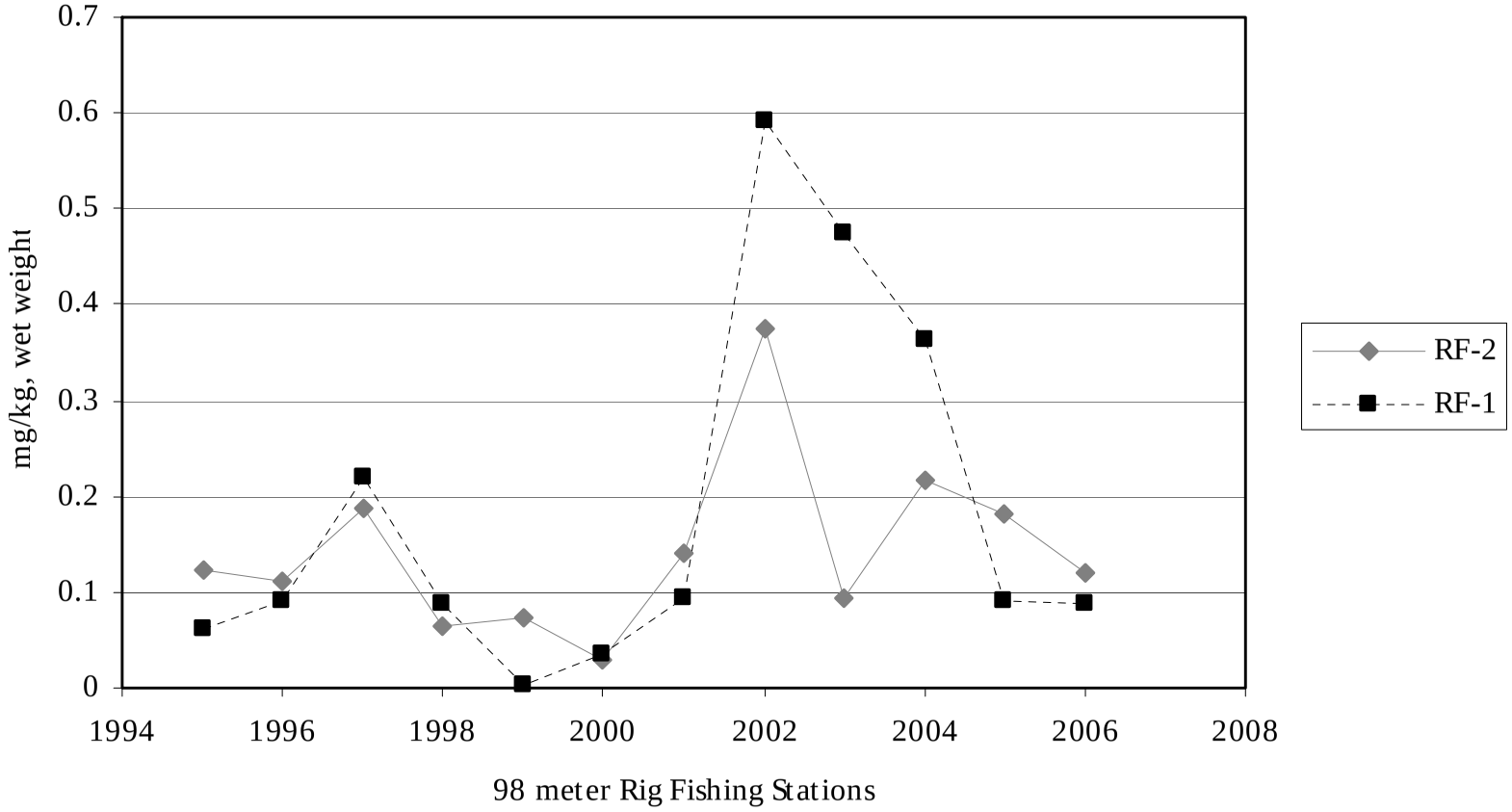


Figure A-47. Average nickel concentrations in rockfish muscle at 98 meter rig fishing (RF) stations during October (1995-2006).

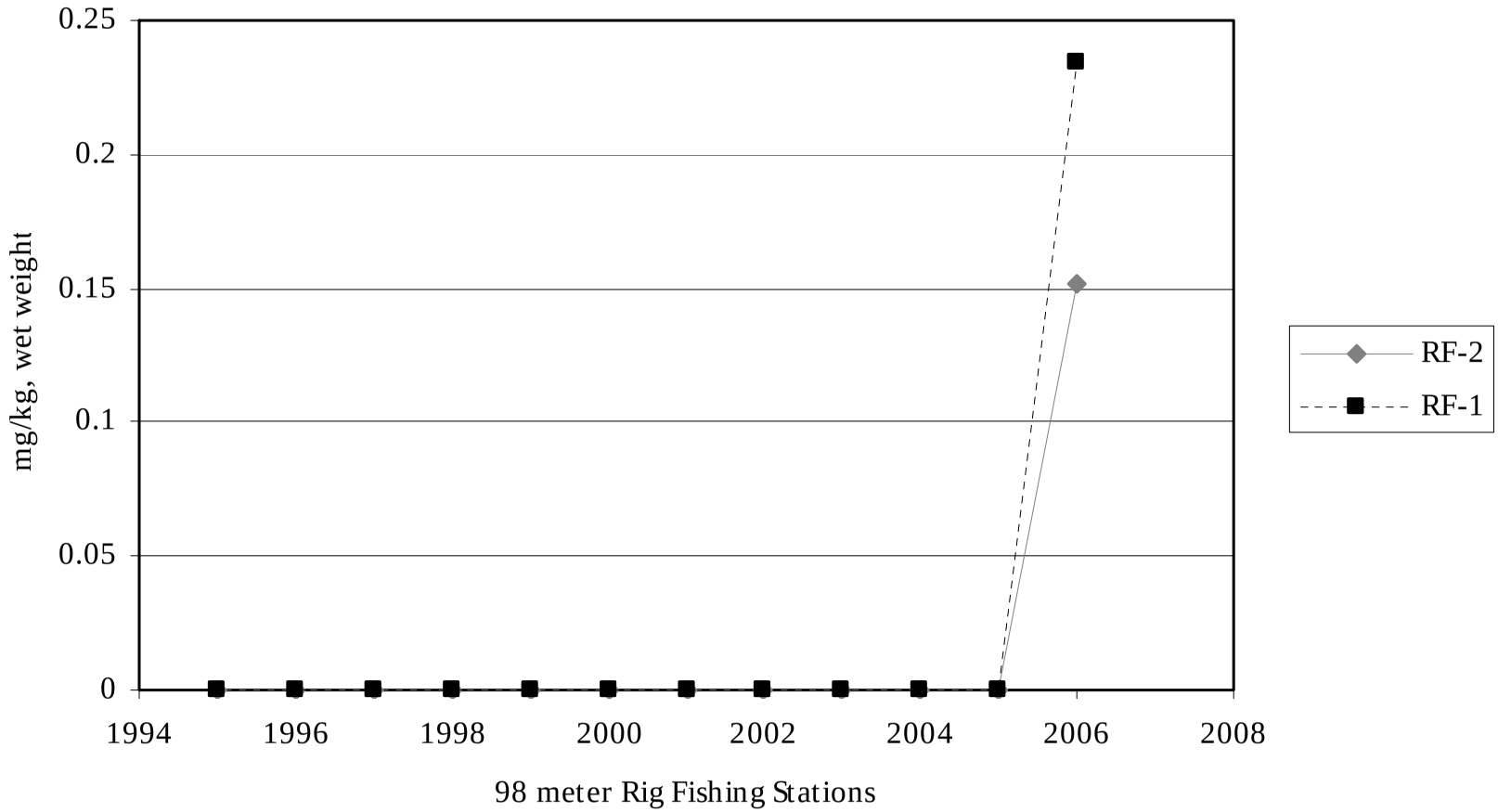


Figure A-48. Average selenium concentrations in rockfish muscle at 98 meter rig fishing (RF) stations during October (1995-2006).

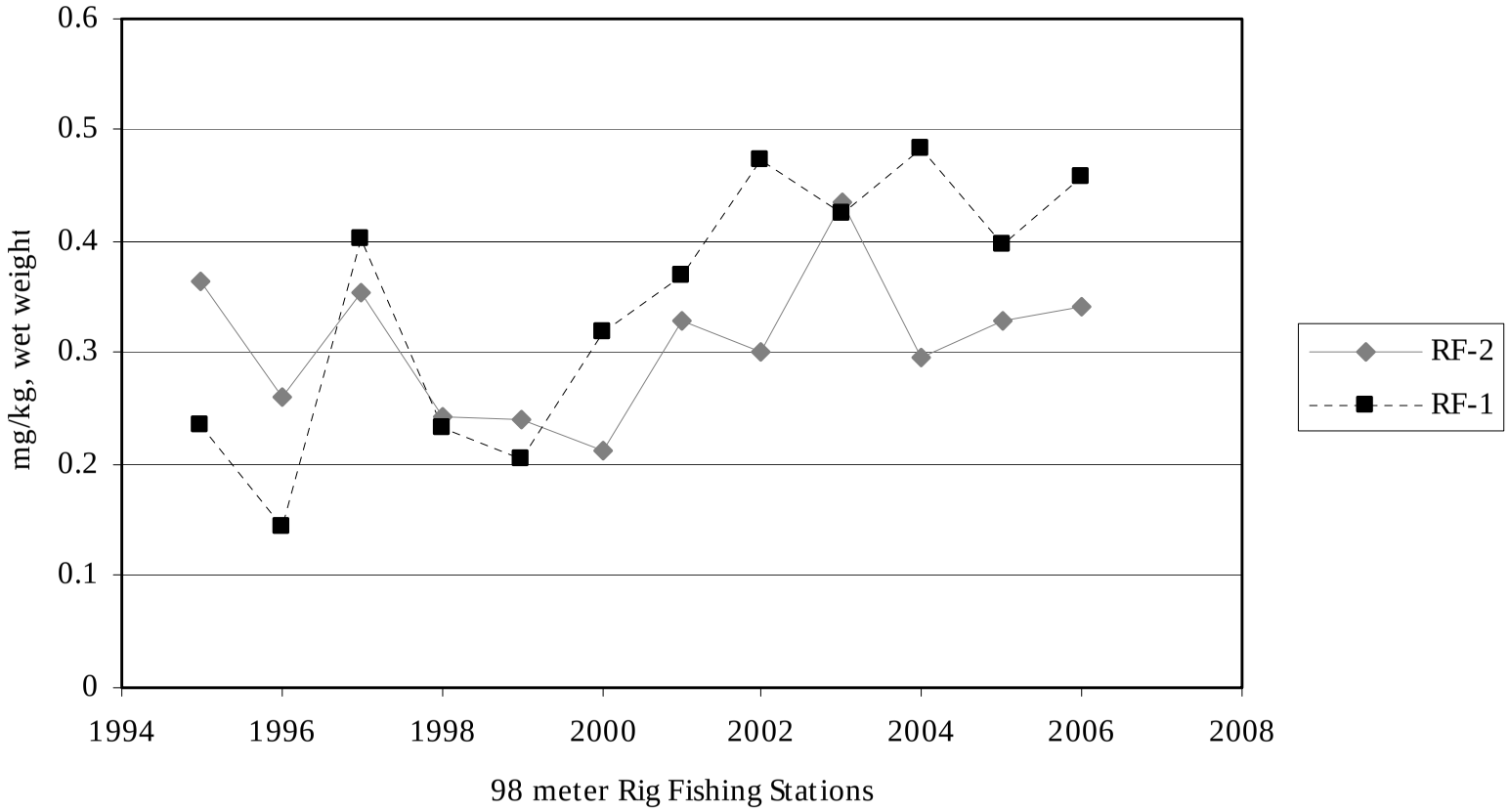


Figure A-49. Average silver concentrations in rockfish muscle at 98 meter rig fishing (RF) stations during October (1995-2006).

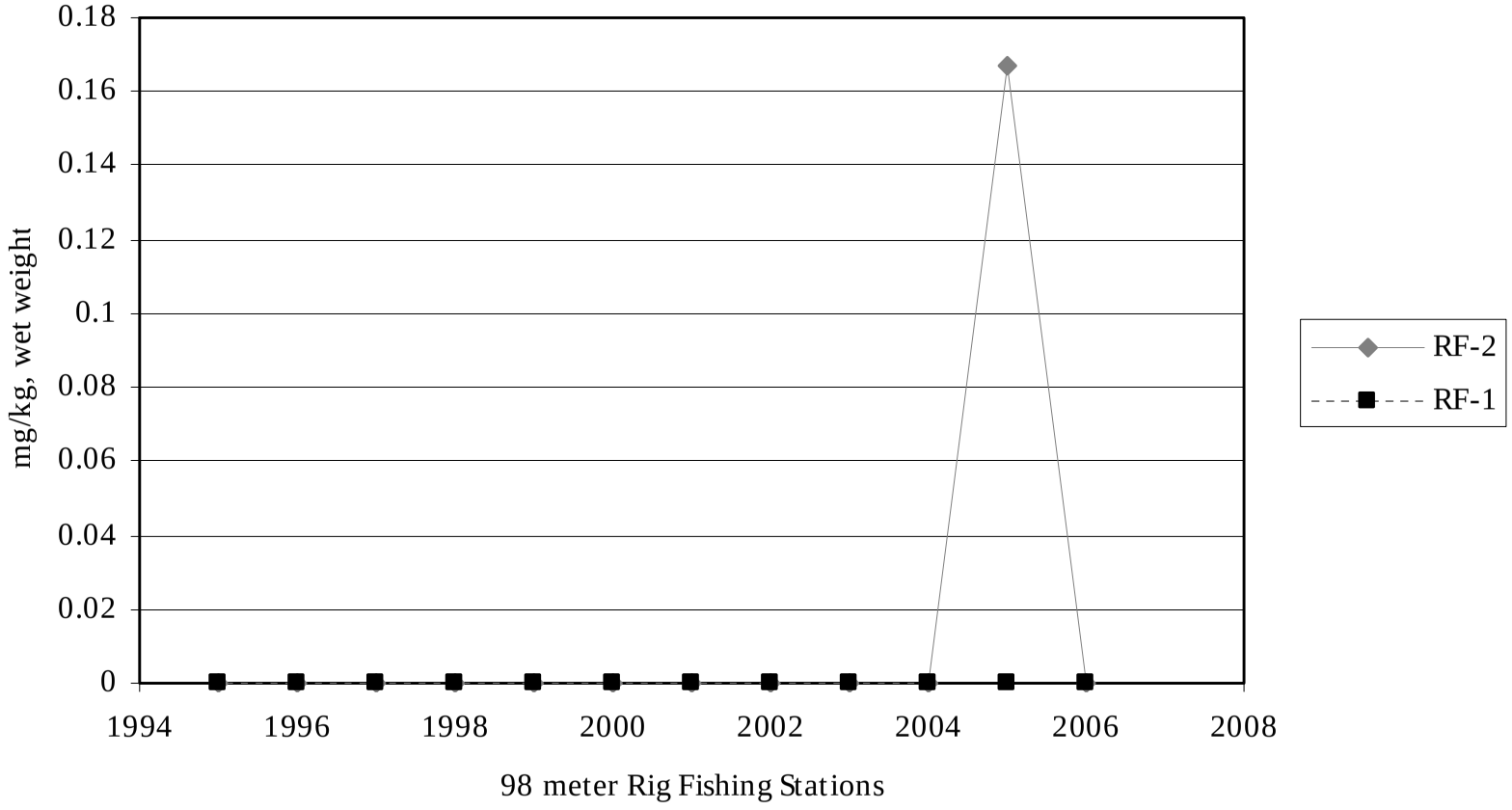


Figure A-50. Average tin concentrations in rockfish muscle at 98 meter rig fishing (RF) stations during October (1995-2006).

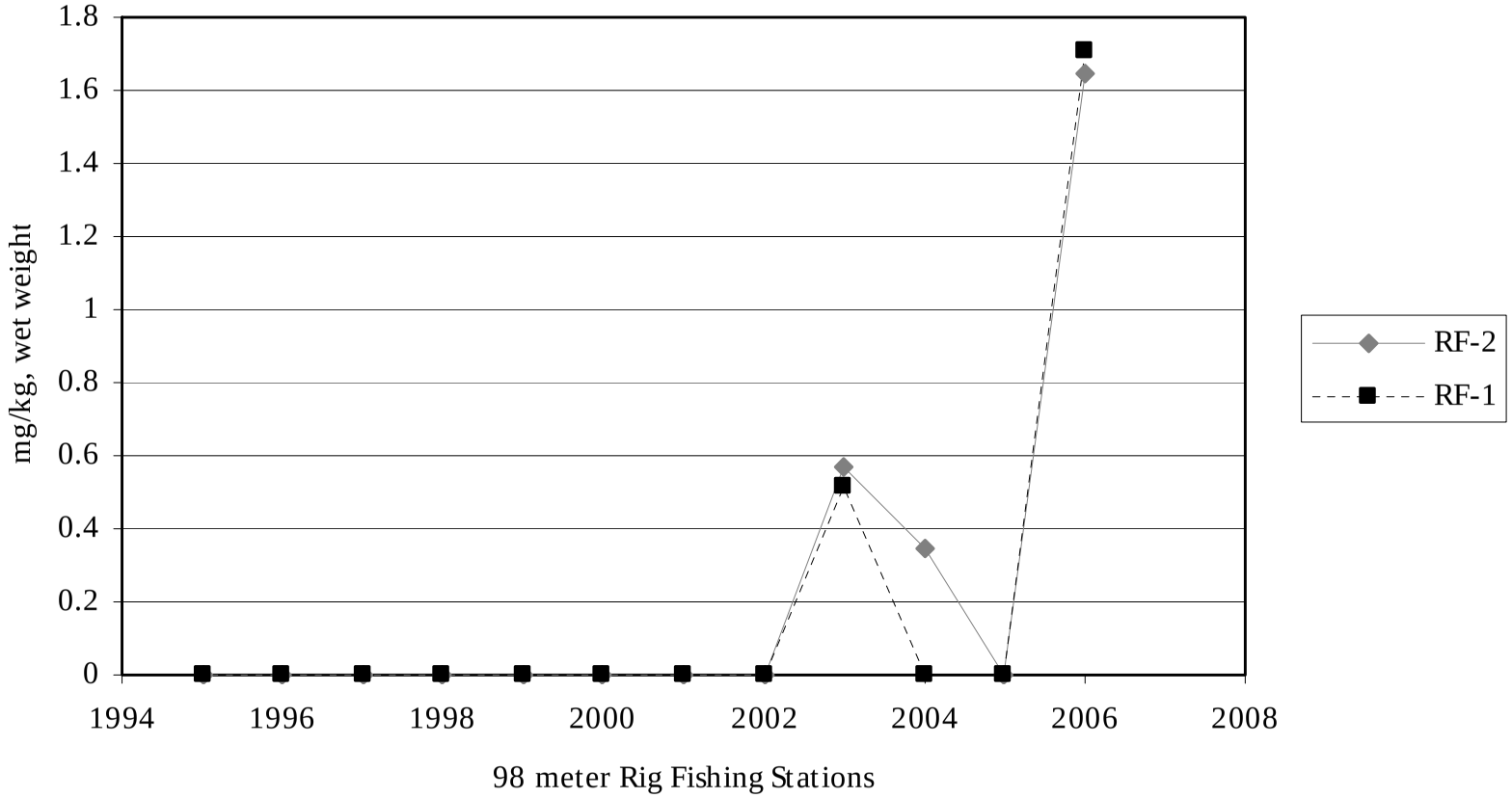


Figure A-51. Average zinc concentrations in rockfish muscle at 98 meter rig fishing (RF) stations during October (1995-2006).

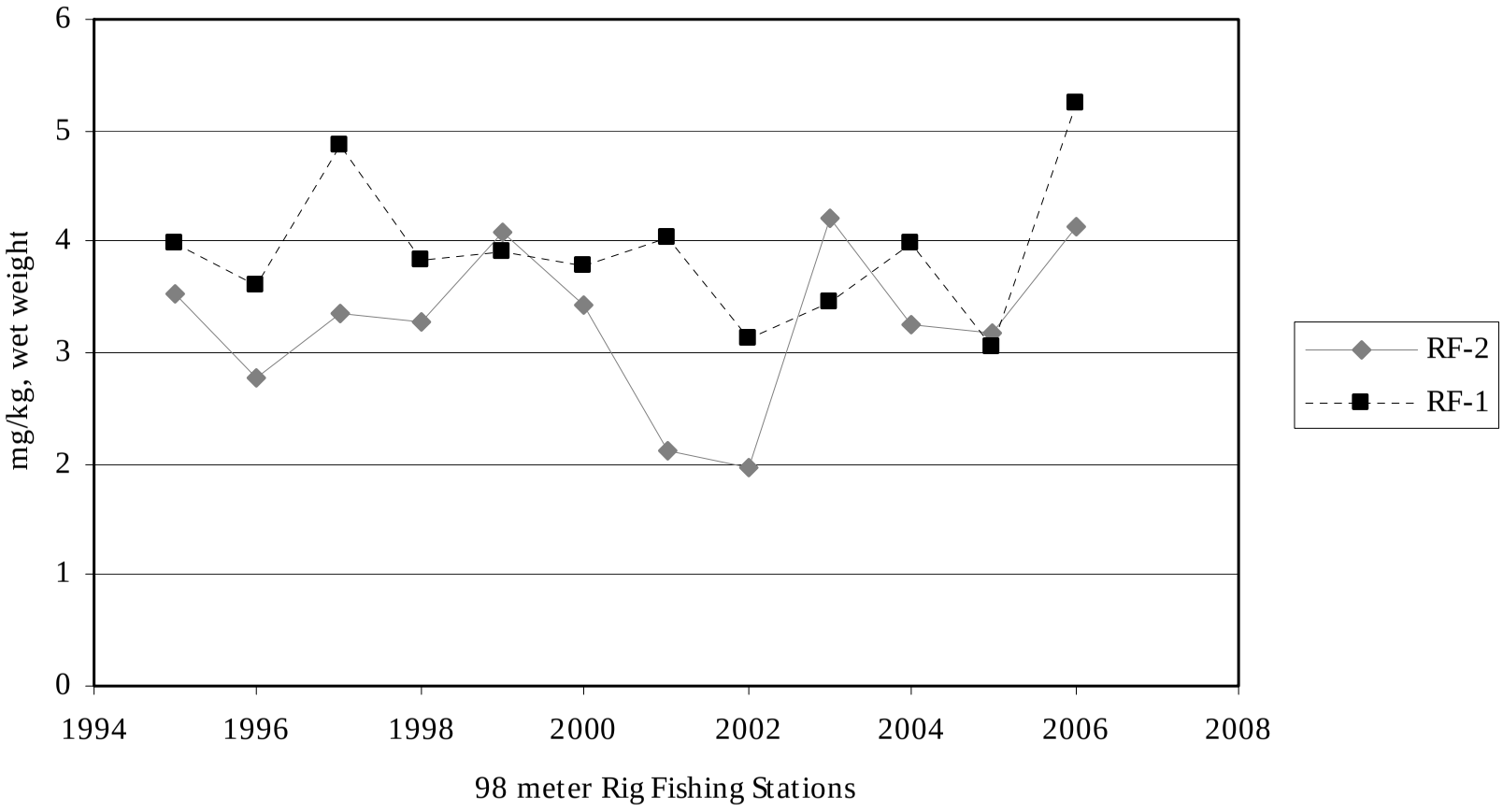


Figure A-52. Average hexachlorobenzene concentrations in rockfish muscle at 98 meter rig fishing (RF) stations during October (1995-2006).

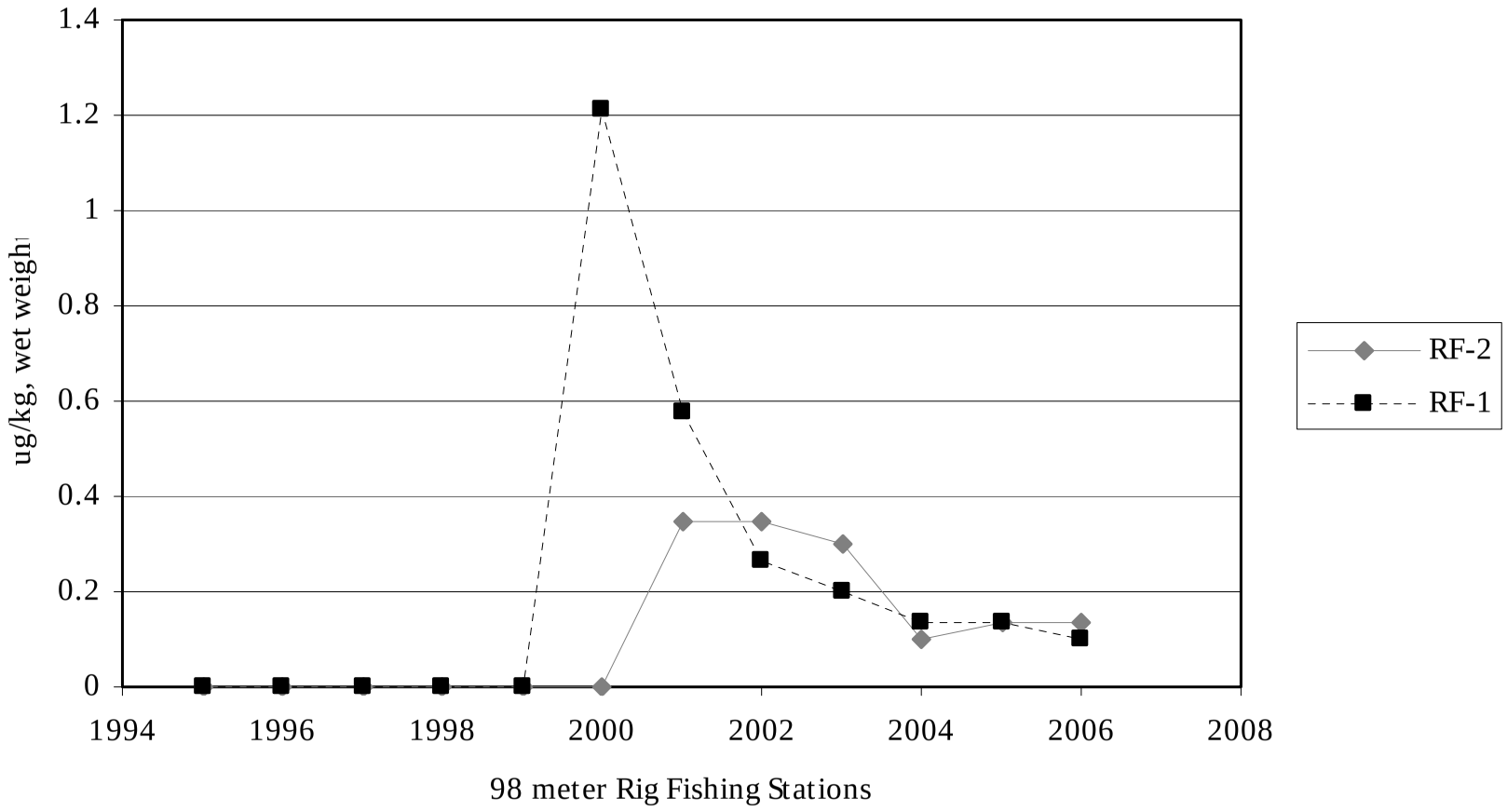


Figure A-53. Average total chlordane concentrations in rockfish muscle at 98 meter rig fishing (RF) stations during October (1995-2006).

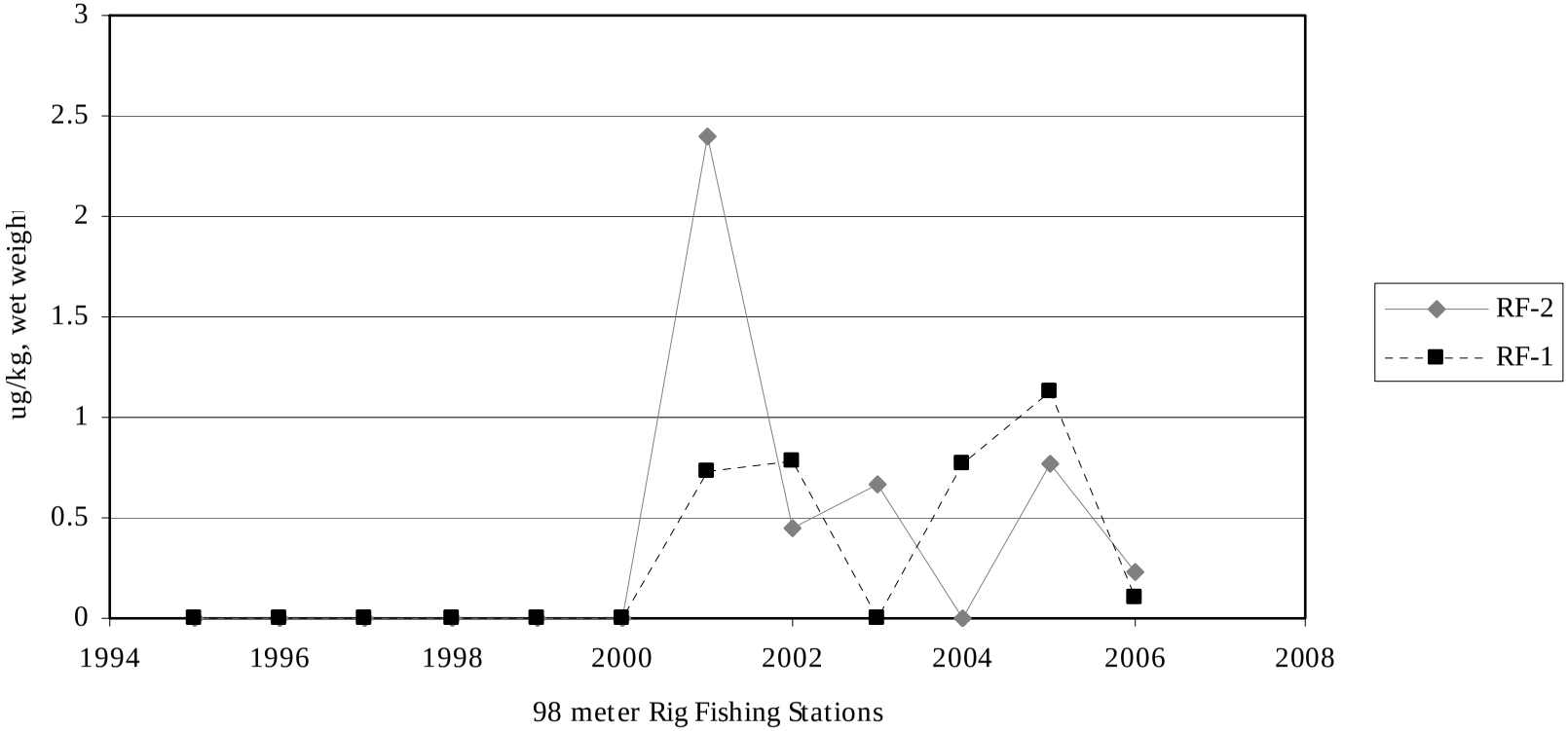


Figure A-54. Average total DDT concentrations in rockfish muscle at 98 meter rig fishing (RF) stations during October (1995-2006).

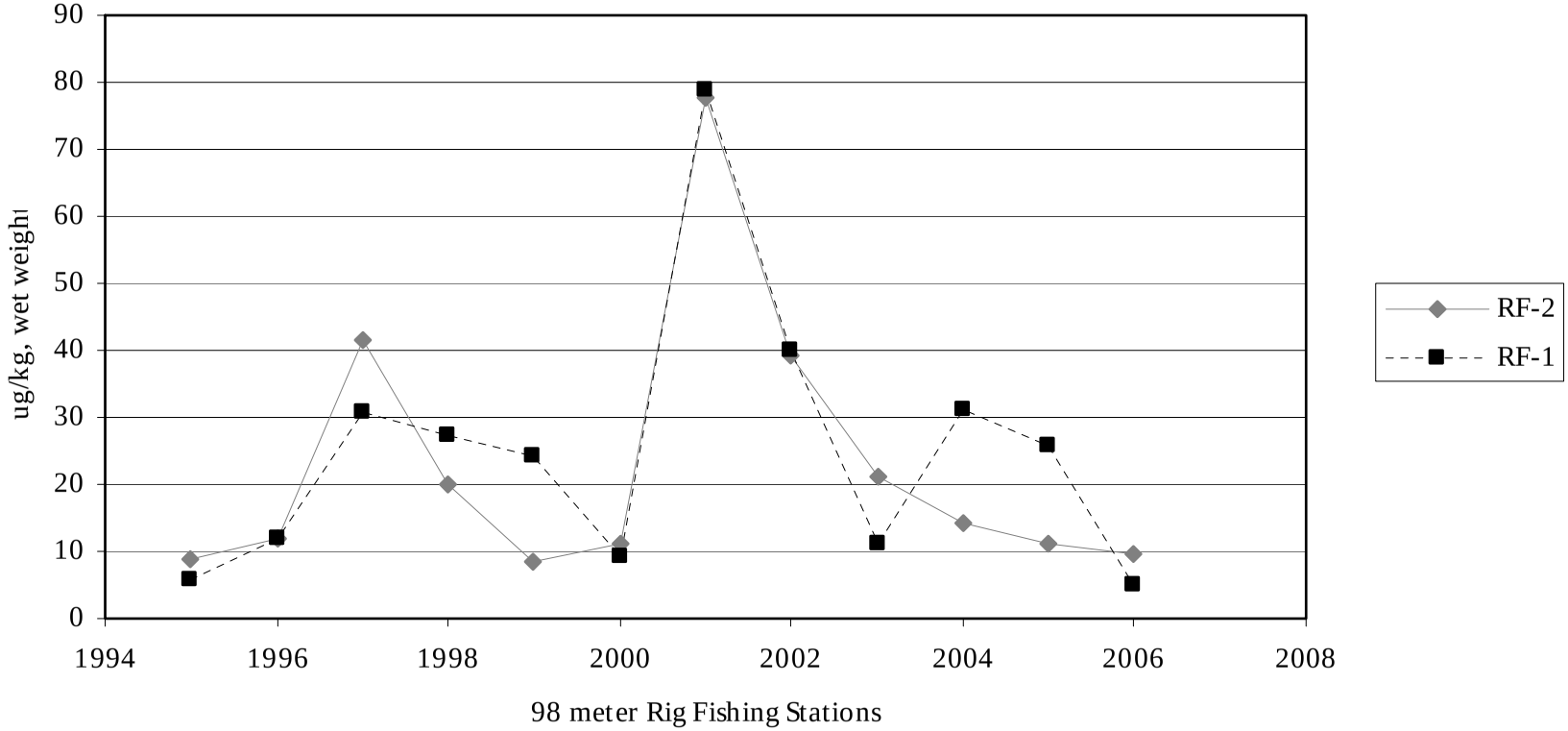
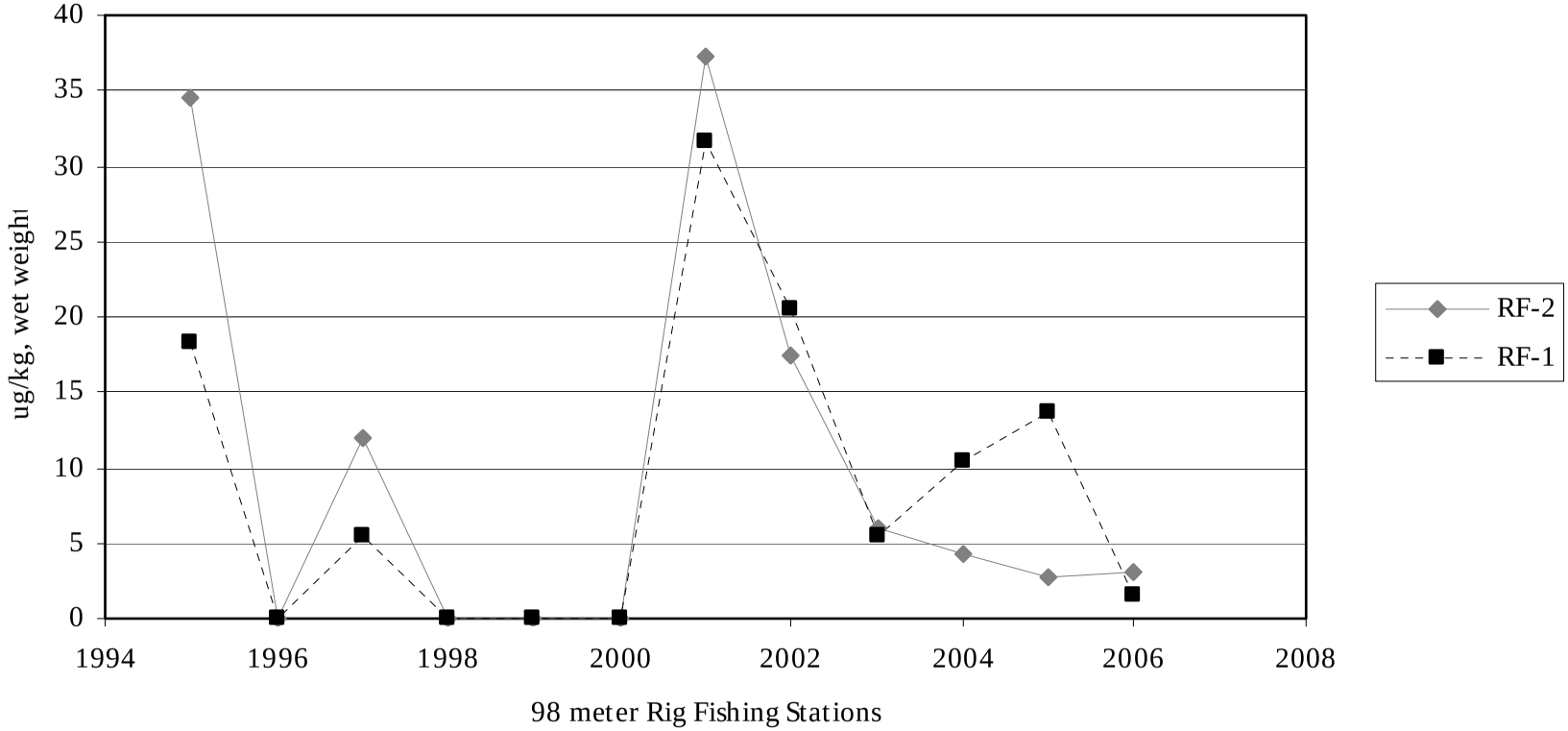


Figure A-55. Average total PCB concentrations in rockfish muscle at 98 meter rig fishing (RF) stations during October (1995-2006).



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