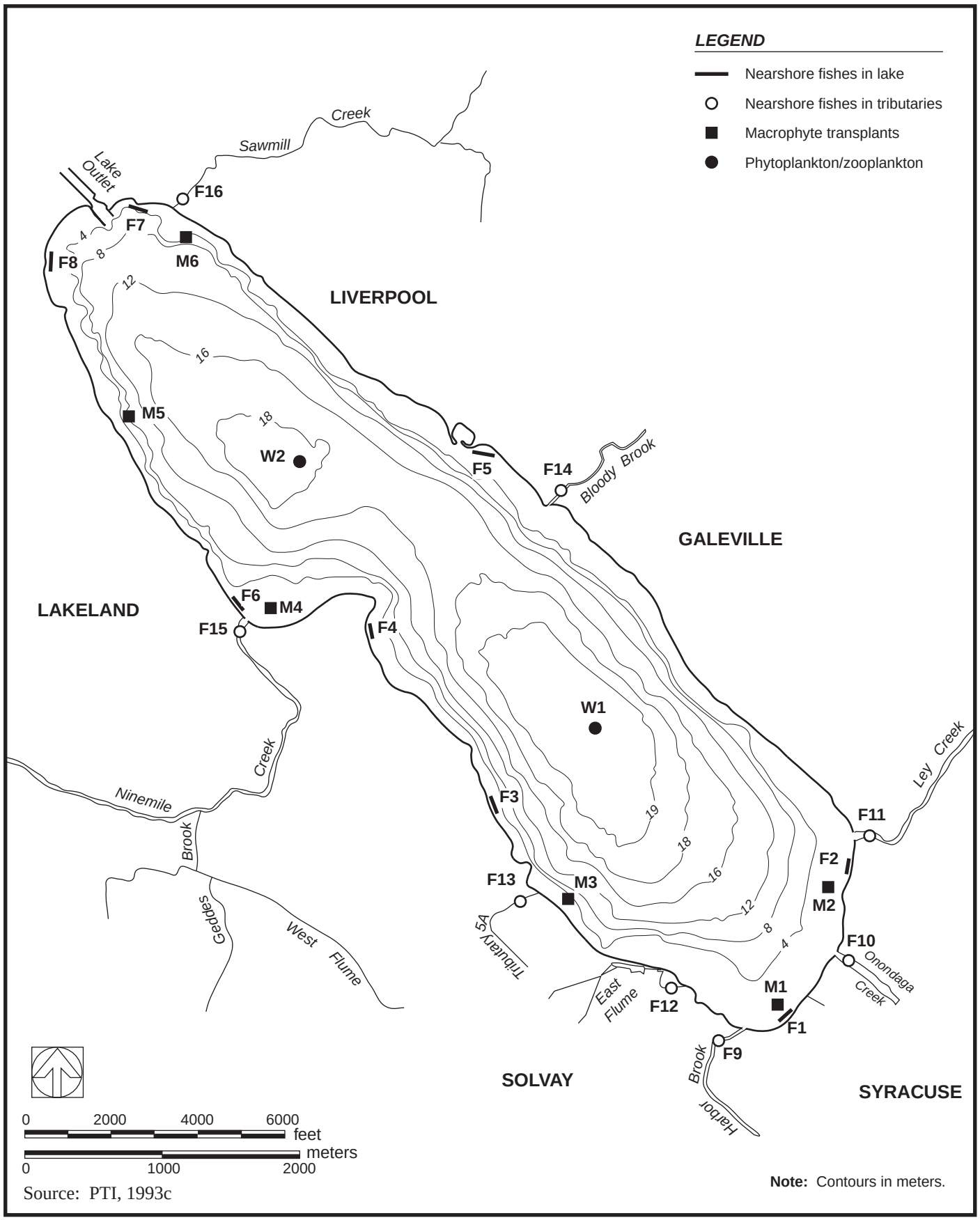
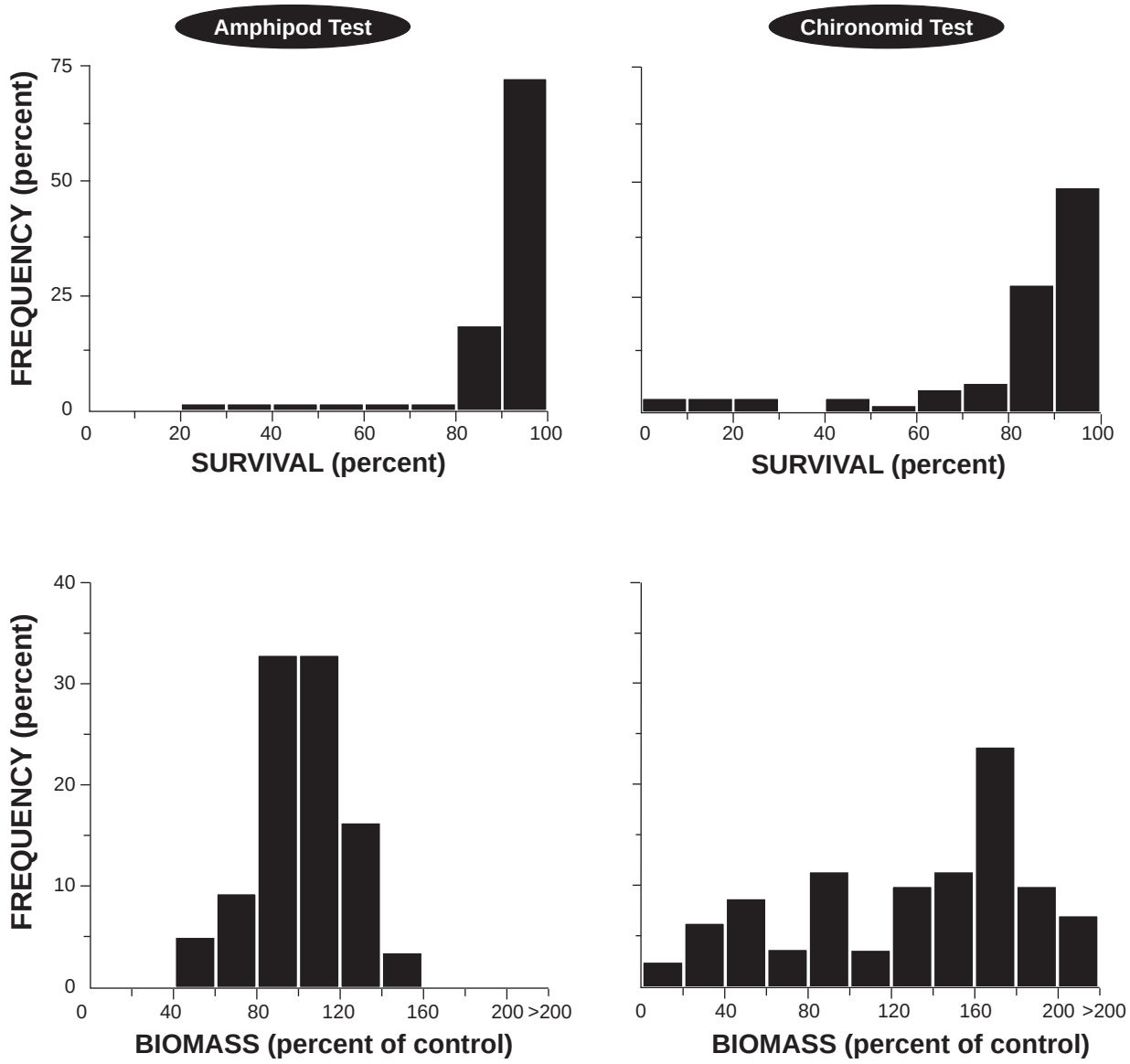


Figure 9-1. Locations of stations for the nearshore fish, macrophyte transplant, and phytoplankton/zooplankton studies of Onondaga Lake and its tributaries in 1992



Source: Exponent, 2001b

Figure 9-2. Frequency distributions of survival and biomass for amphipod and chironomid 10-day sediment toxicity tests for Onondaga Lake in 1992

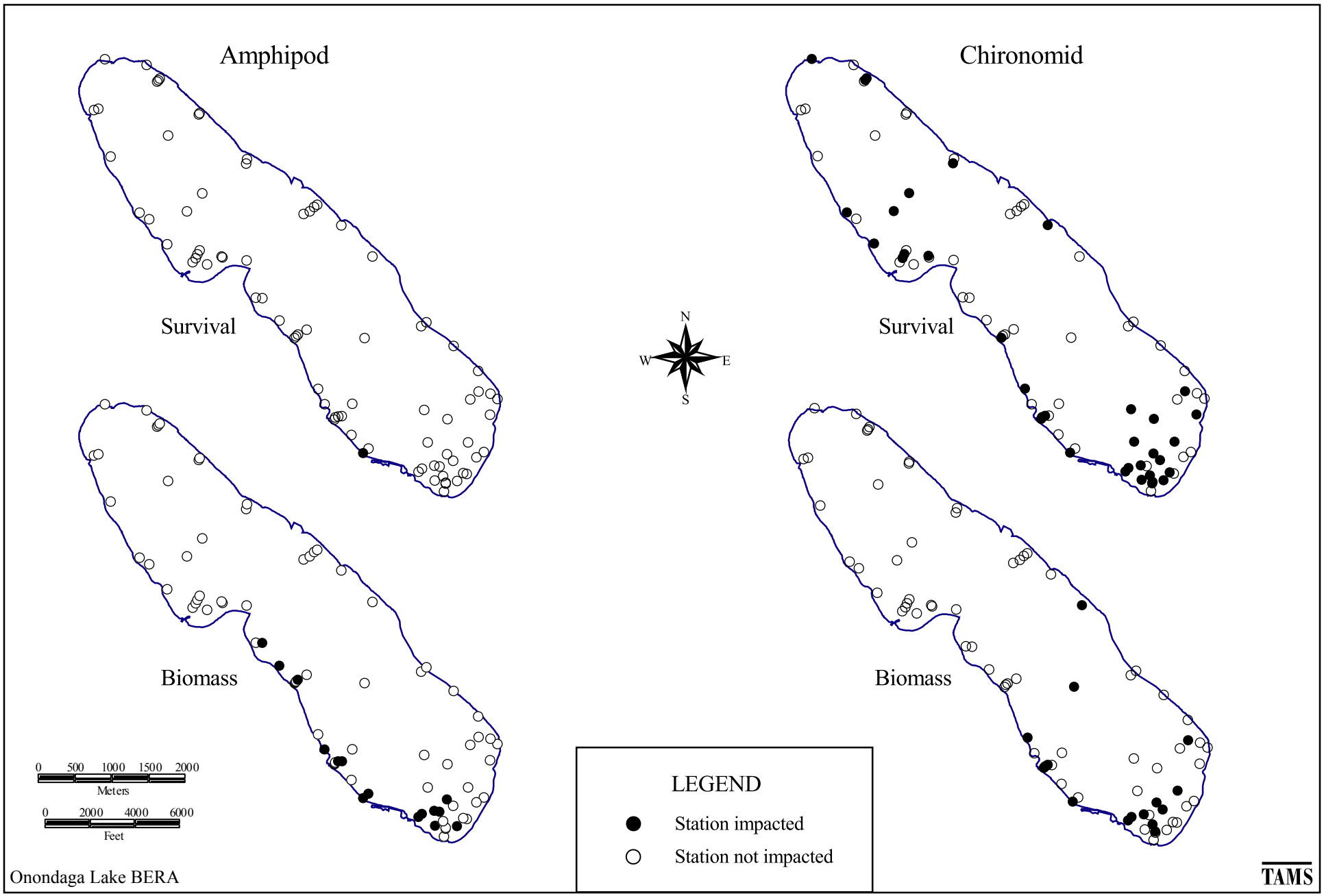


Figure 9-3
Locations of Stations in Onondaga Lake at Which Significant Toxicity Was Found Using the 10-day Amphipod and Chioronomid Tests in 1992

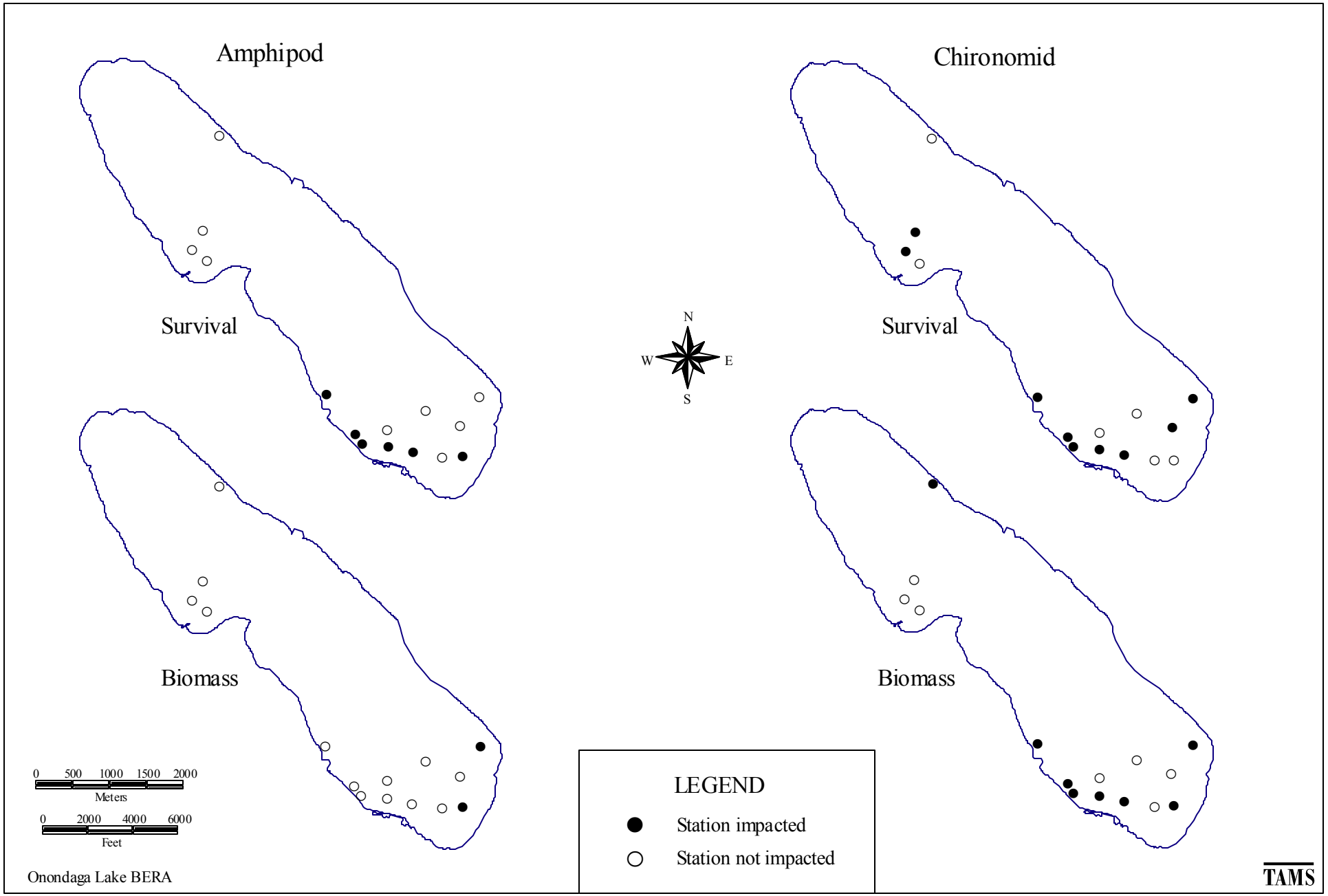
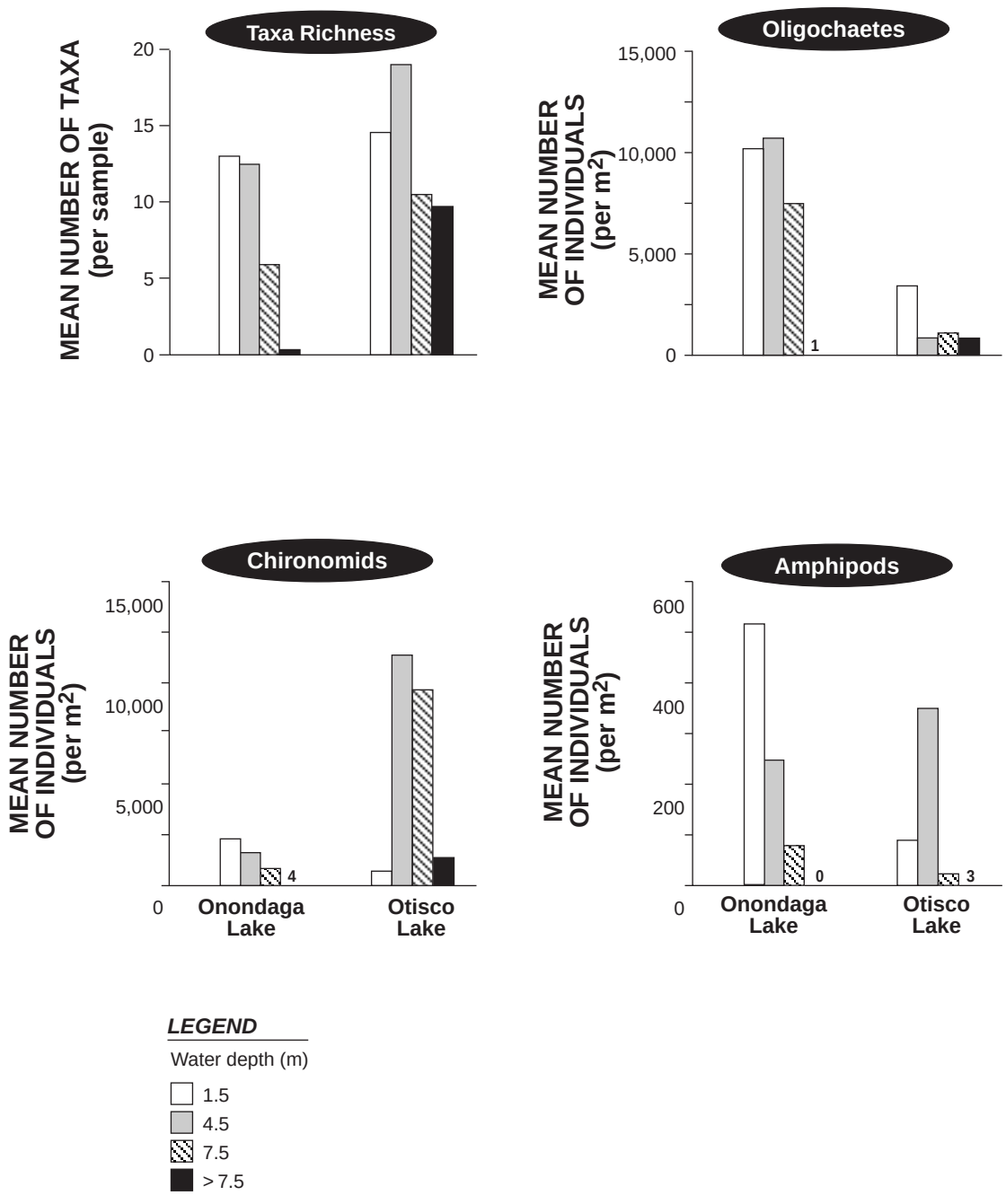
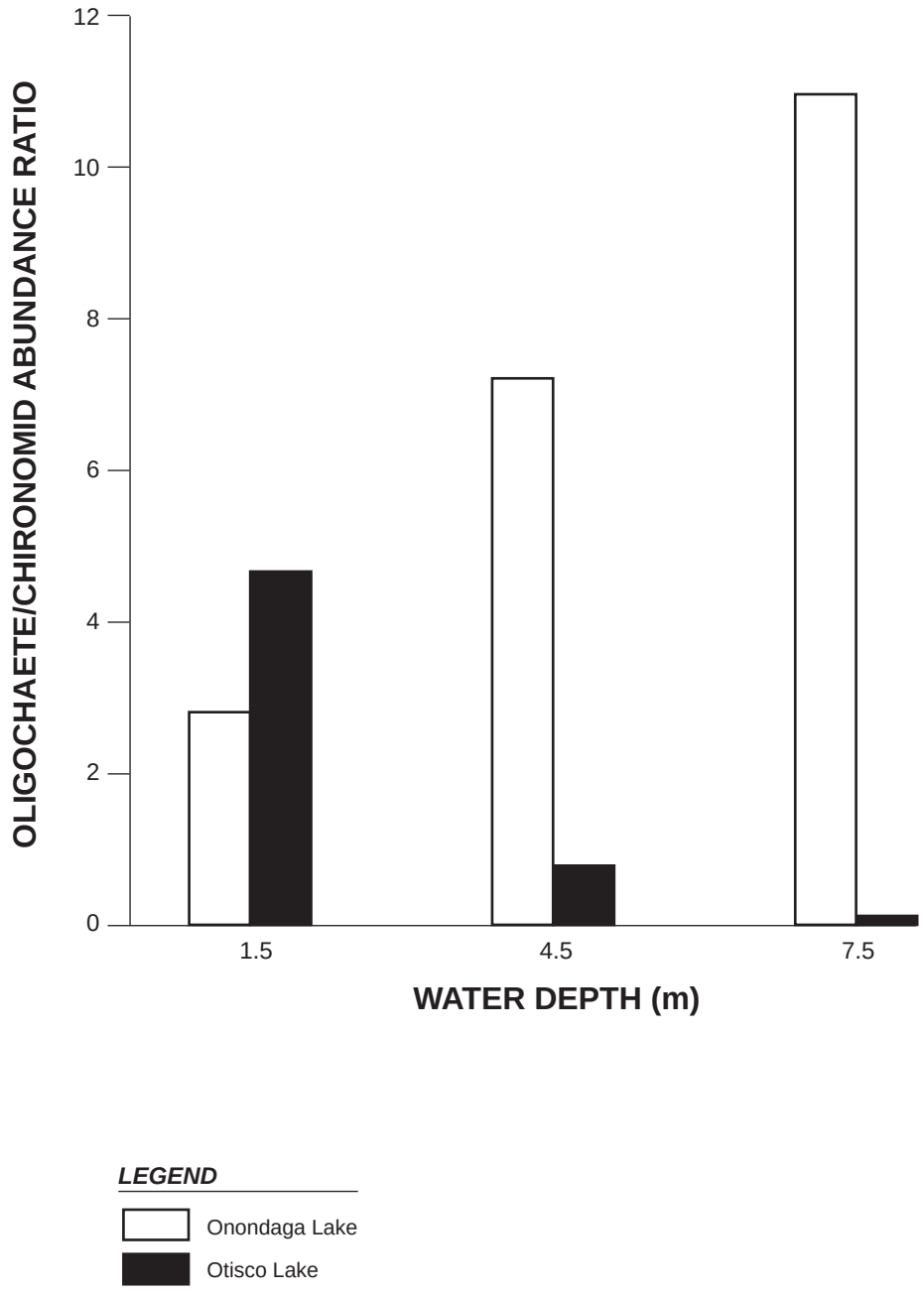


Figure 9-4
Locations of Stations in Onondaga Lake at Which Significant Toxicity Was Found Using the 42-day Amphipod and Chironomid Tests in 2000



Source: Exponent, 2001b

Figure 9-5. Comparison of major benthic macroinvertebrate community variables among Onondaga and Otisco lakes in 1992



Source: Exponent, 2001b

Figure 9-6. Comparison of oligochaete/chironomid abundance ratios among Onondaga and Otisco lakes in 1992

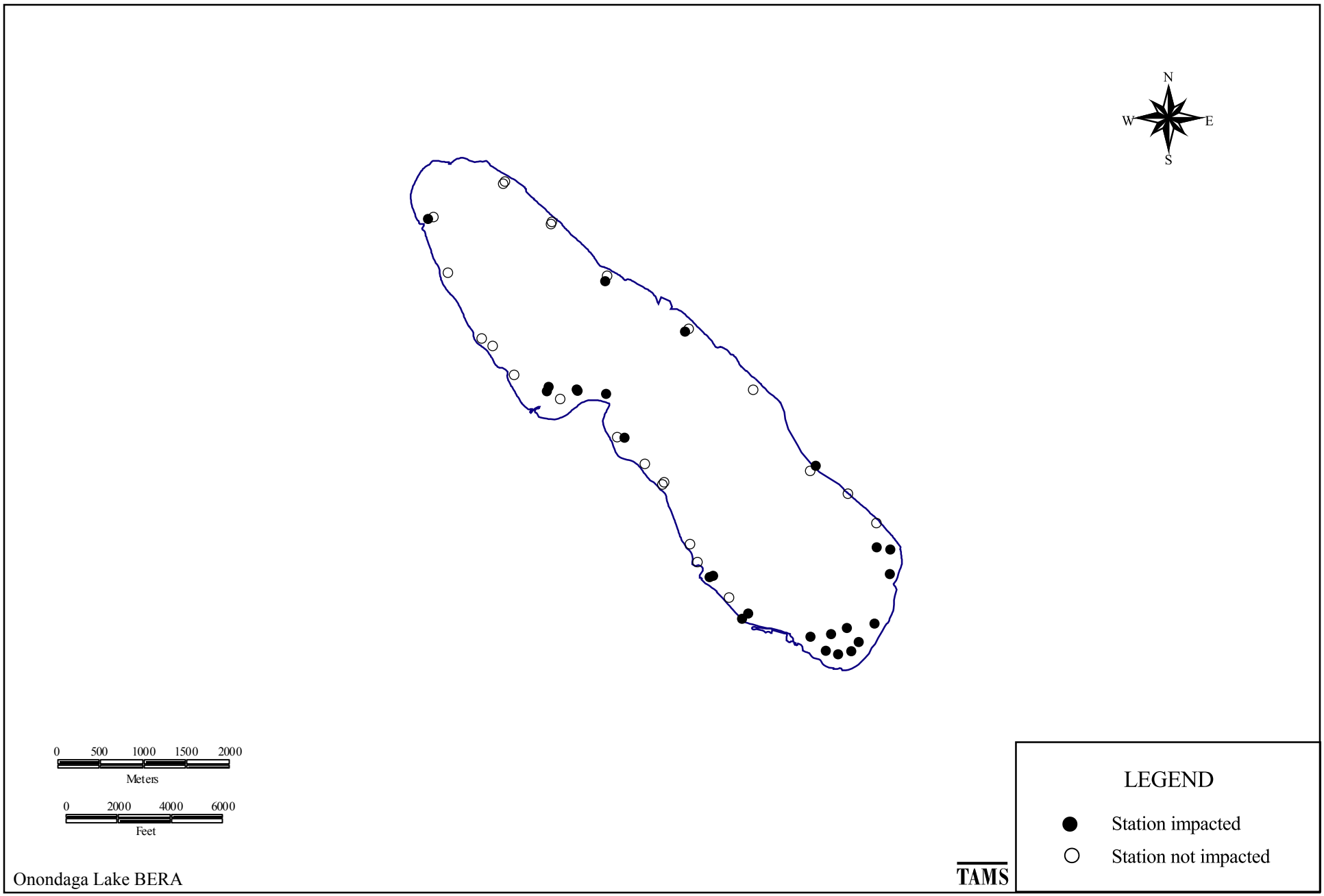


Figure 9-7
Patterns of Benthic Taxa Richness in Onondaga Lake in 1992

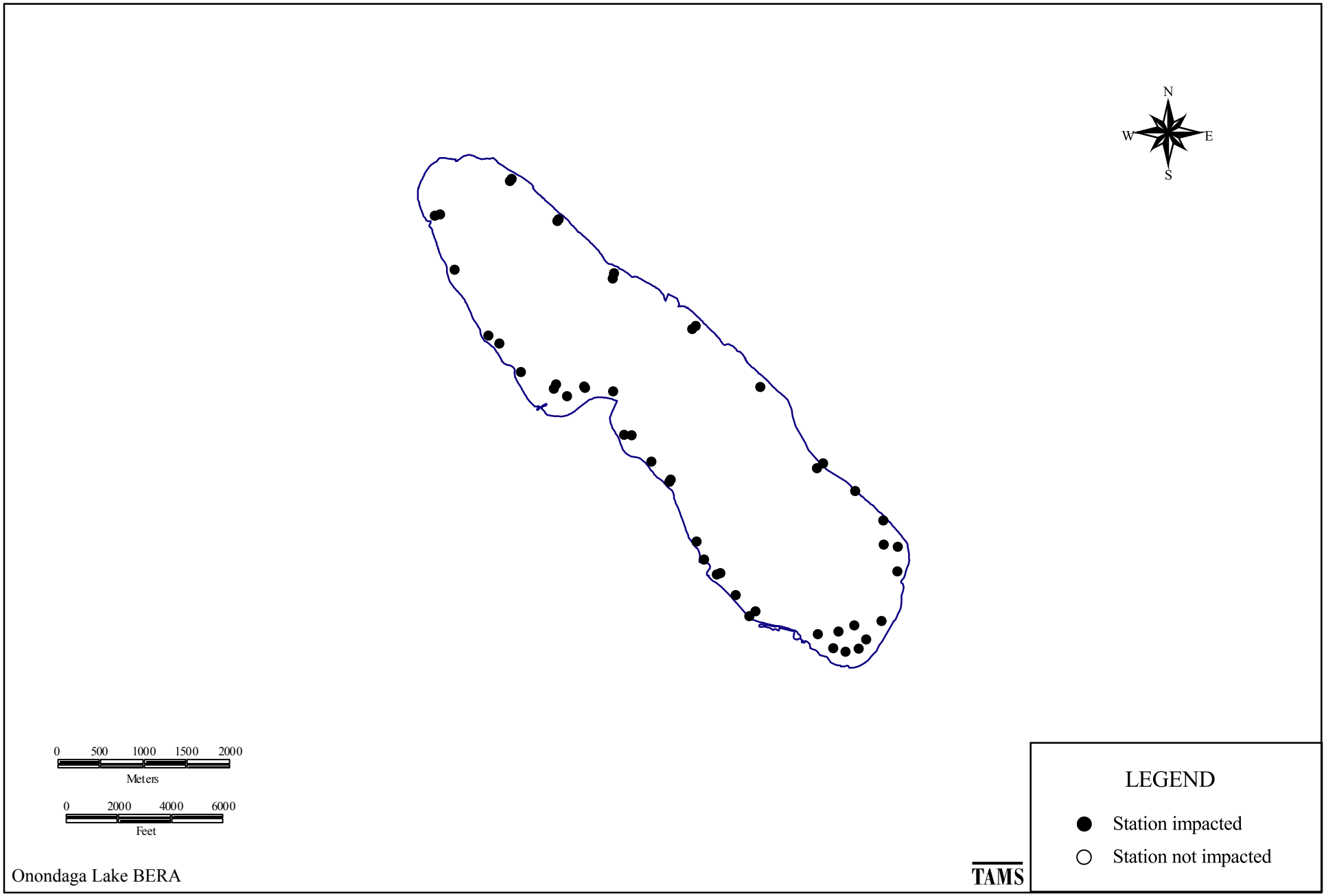


Figure 9-8

Patterns of Richness of Non-Chironomidae/Oligochaeta (NCO) Taxa Richness in Onondaga Lake in 1992

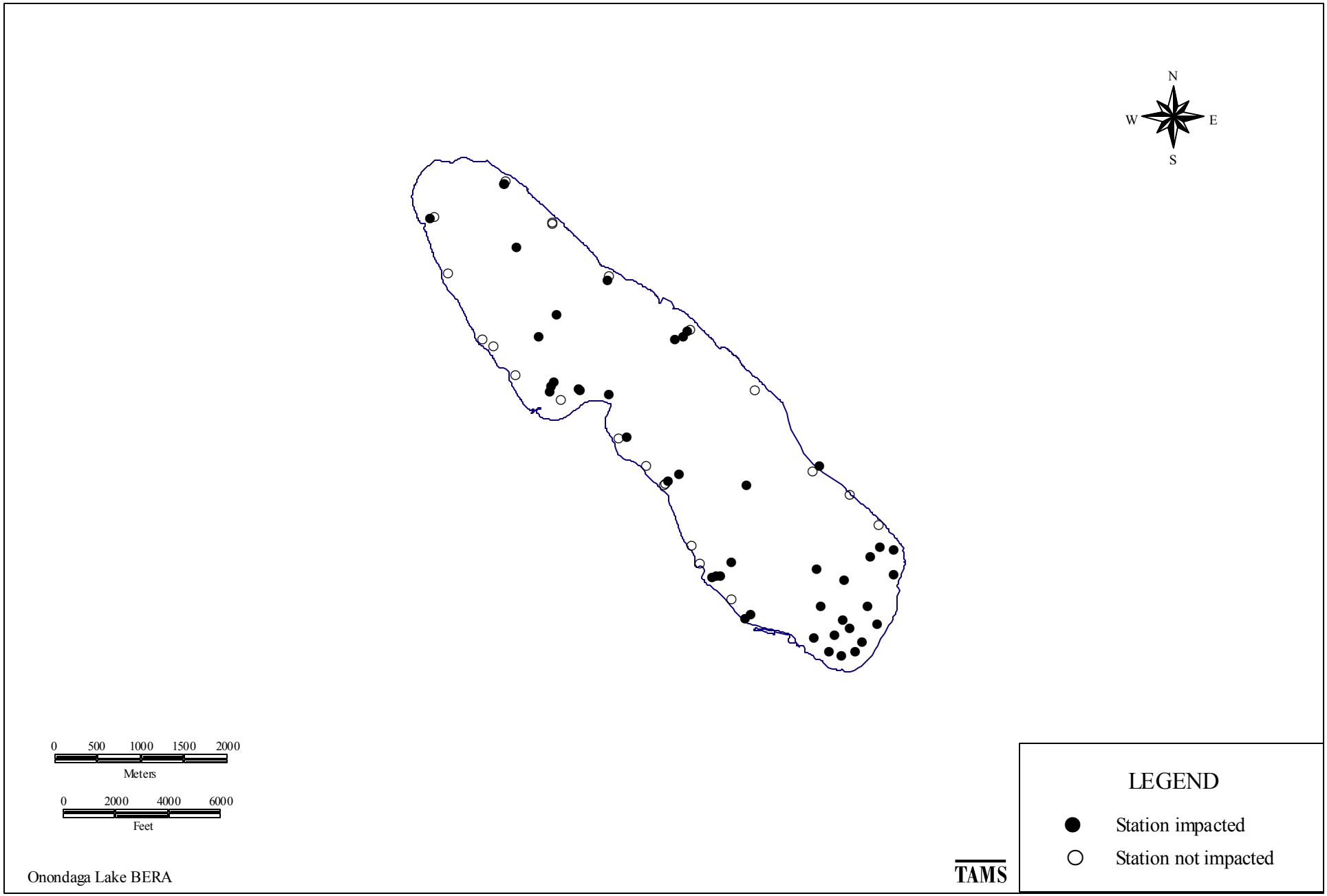


Figure 9-9
Patterns of Benthic Taxa Richness in Onondaga Lake in 1992

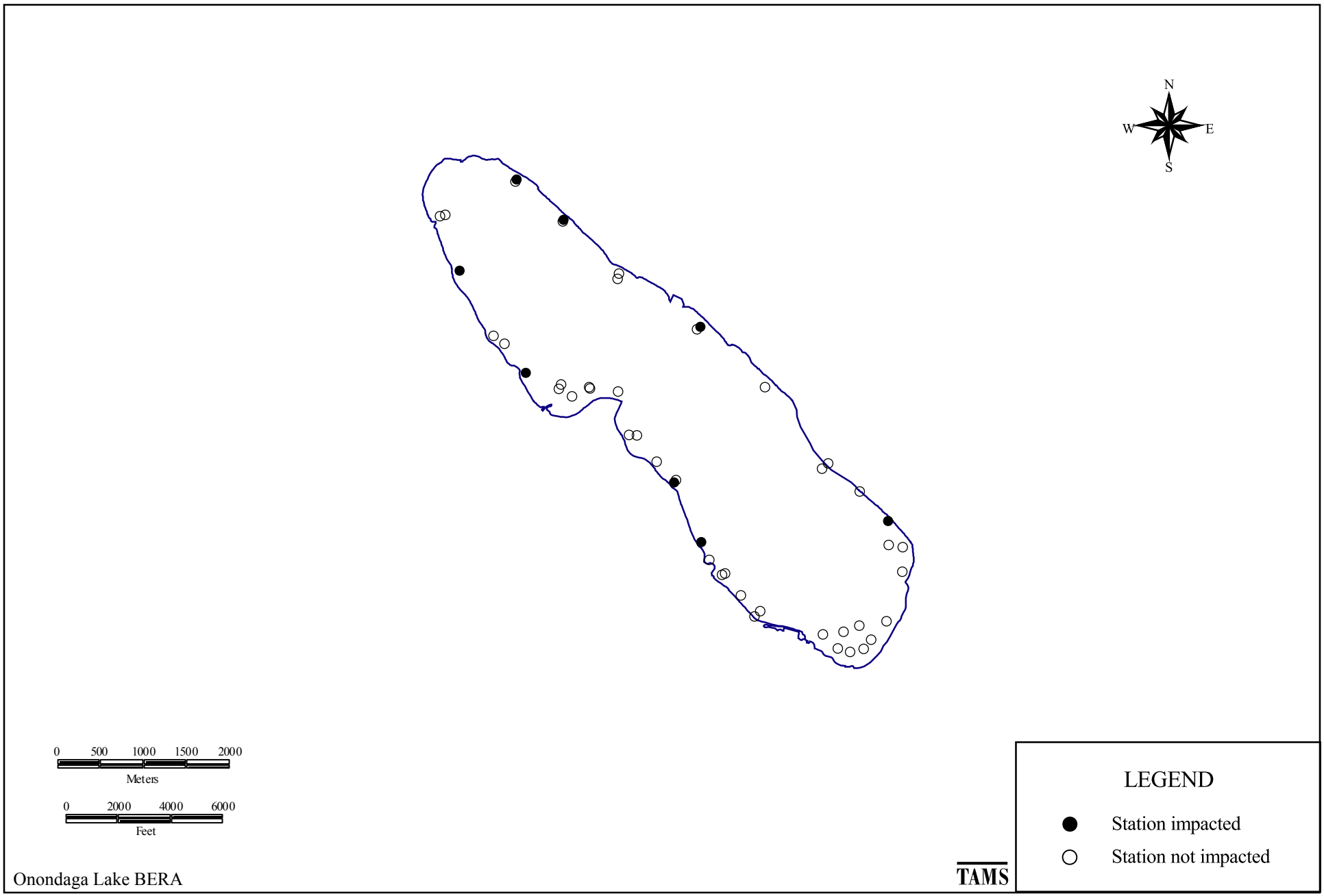


Figure 9-10

Patterns of Benthic Dominance in Onondaga Lake in 1992

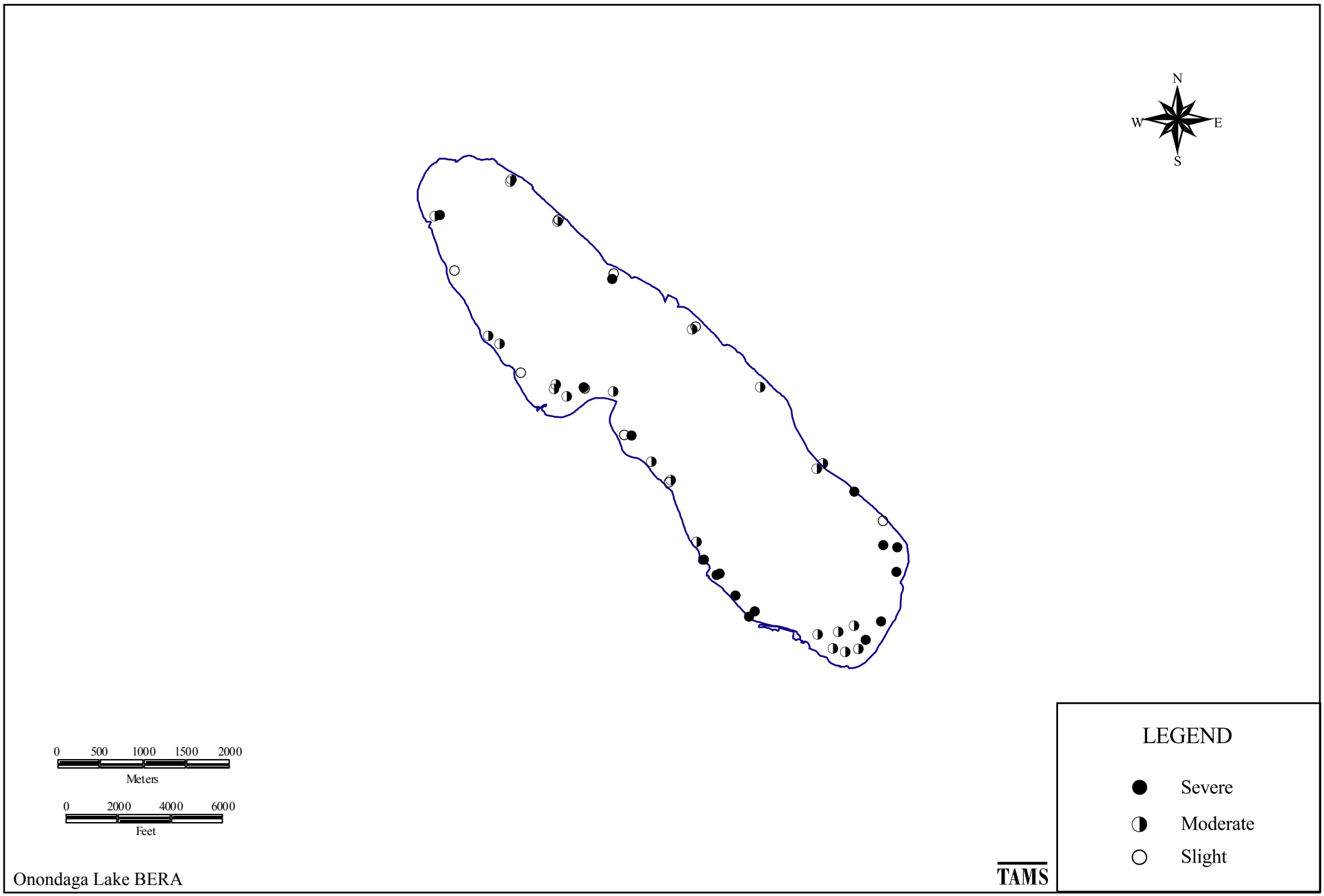


Figure 9-11

Patterns of Percent Model Affinity for Benthic Communities in Onondaga Lake in 1992

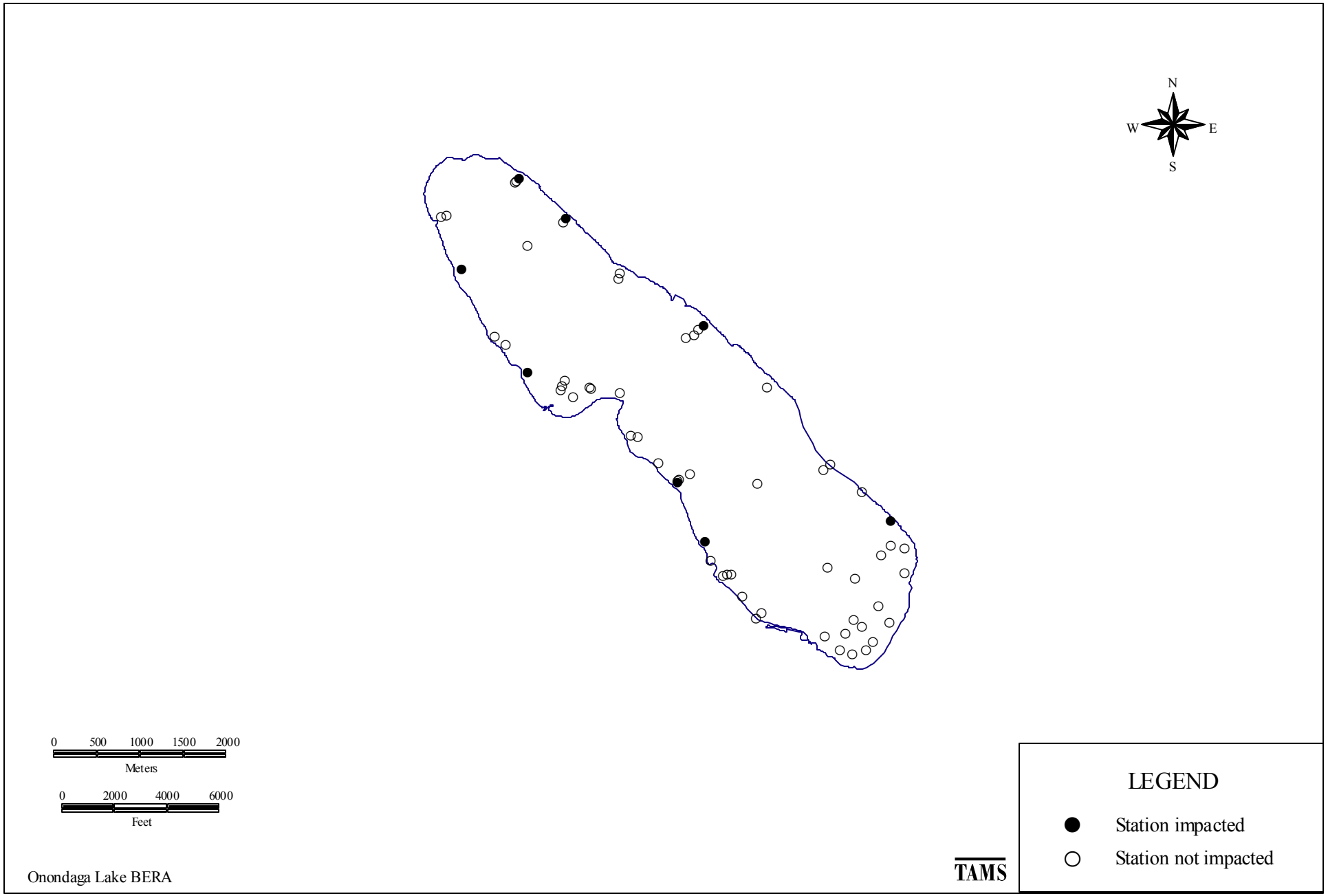
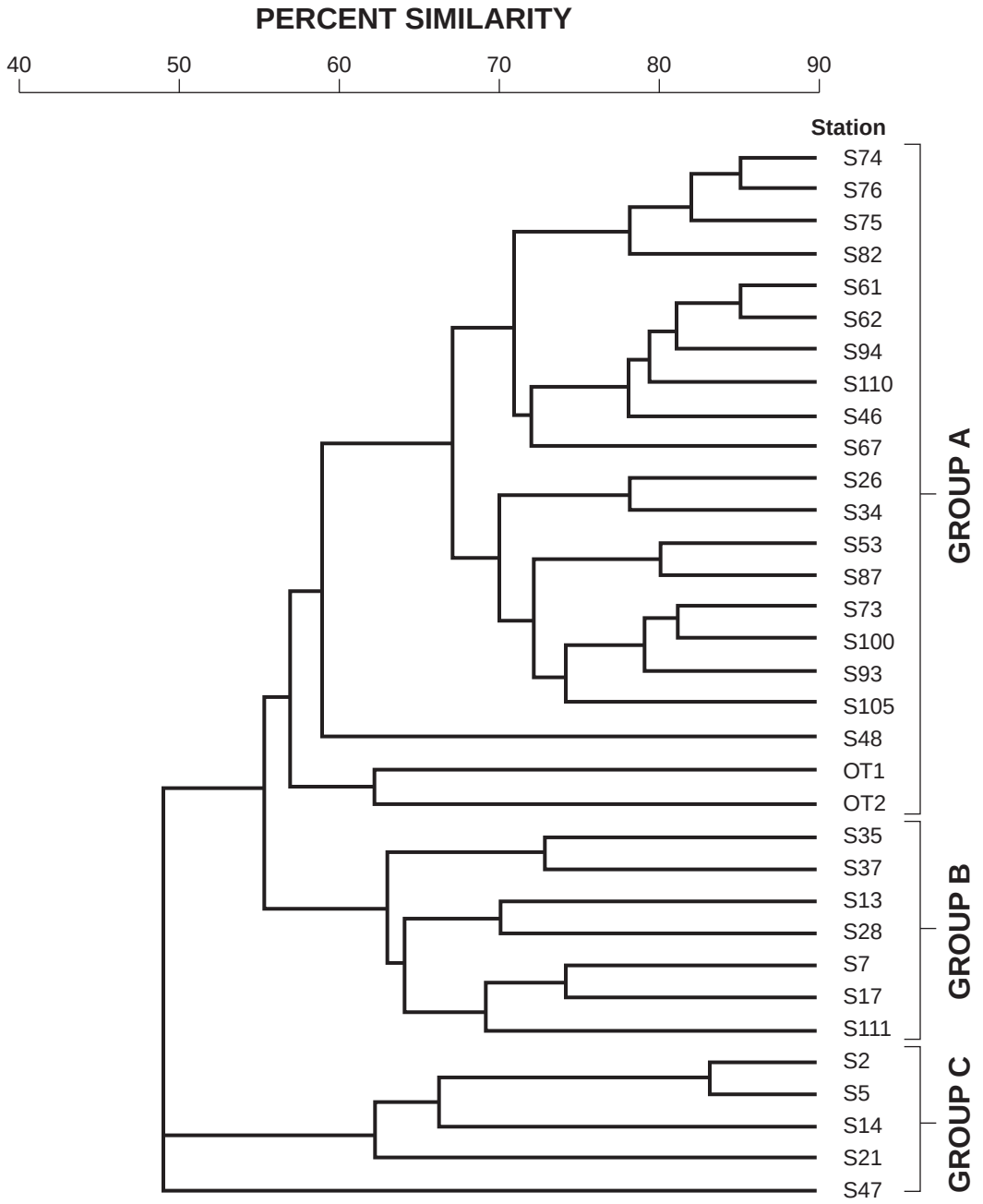


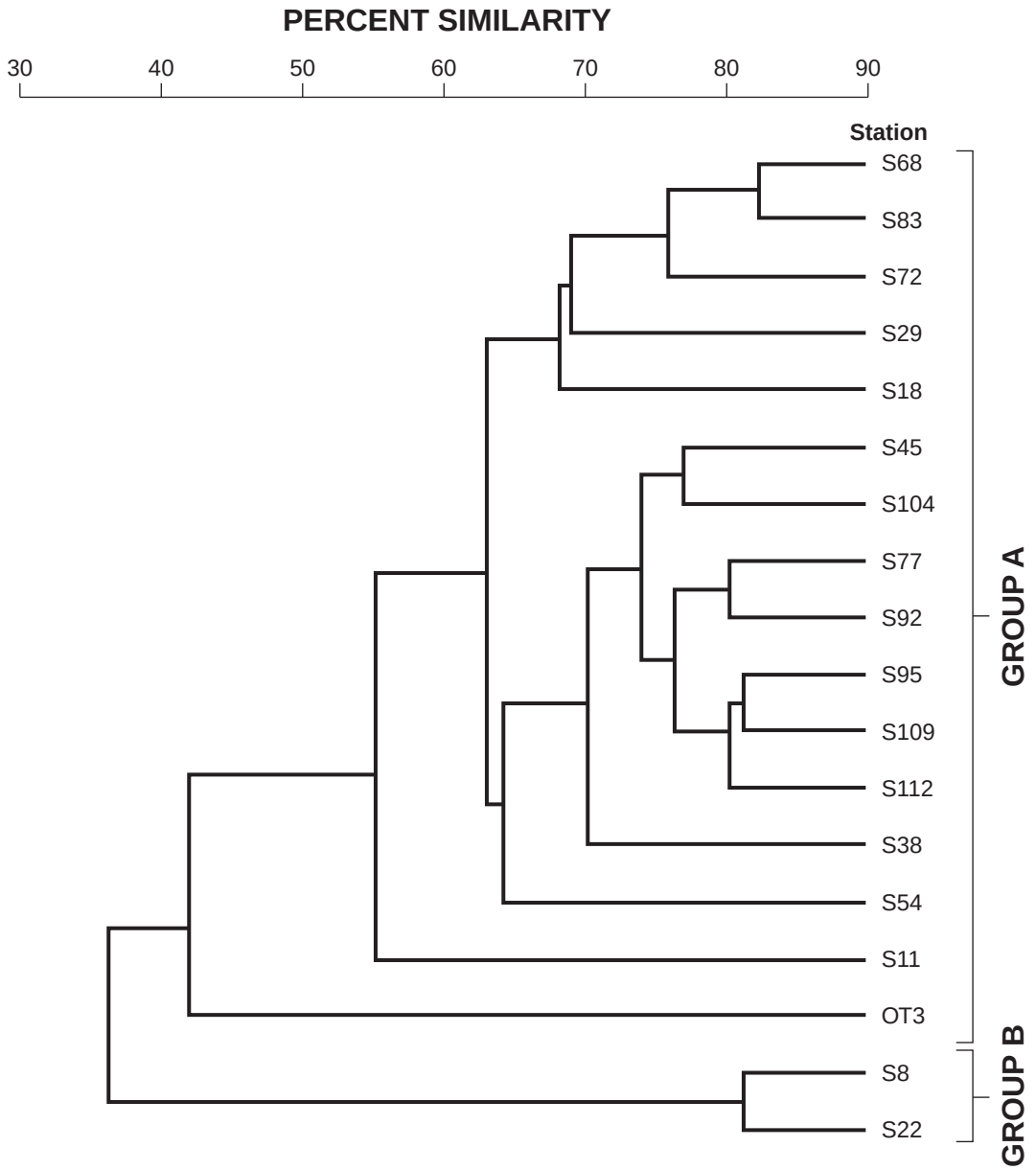
Figure 9-12
Patterns of Benthic Dominance in Onondaga Lake in 1992



Note: Classification analysis was based on the Bray-Curtis similarity index applied to log-transformed abundances of benthic macroinvertebrate taxa from stations in Onondaga (denoted as "S") and Otisco (denoted as "OT") lakes.

Source: Exponent, 2001b

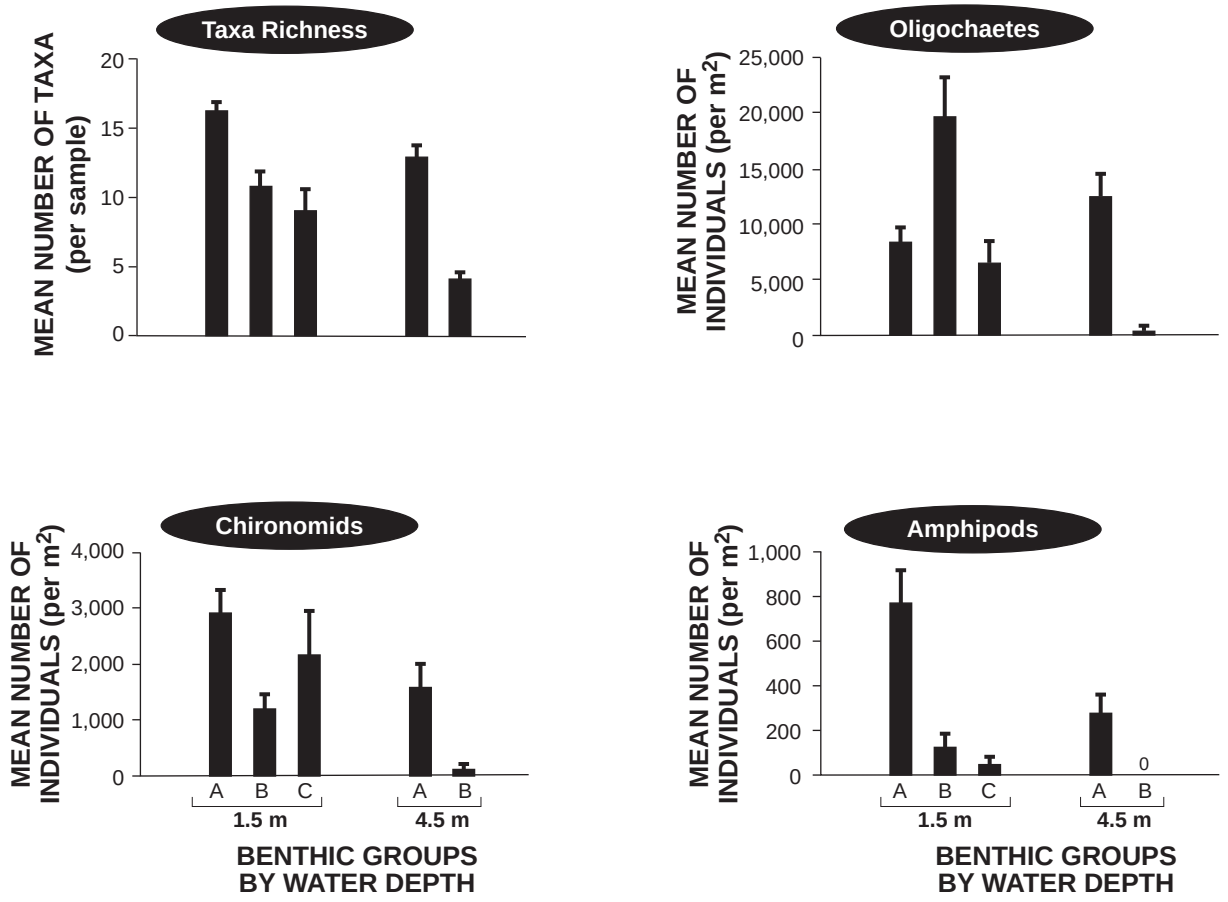
Figure 9-13. Results of classification analysis of benthic macroinvertebrate communities at 1.5-m stations in Onondaga and Otisco lakes in 1992



Note: Classification analysis was based on the Bray-Curtis similarity index applied to log-transformed abundances of benthic macroinvertebrate taxa from stations in Onondaga (denoted as "S") and Otisco (denoted as "OT") lakes.

Source: Exponent, 2001b

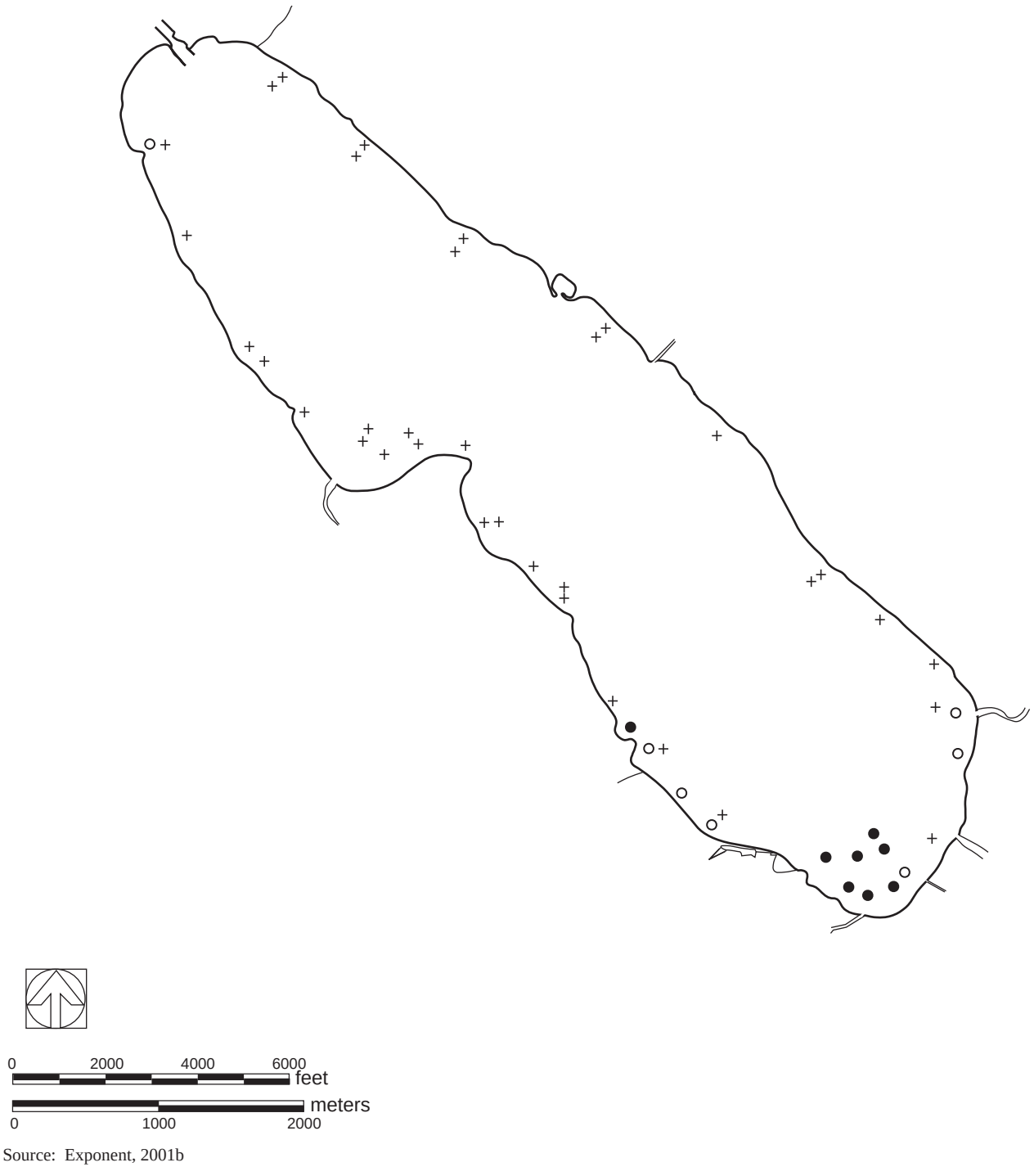
Figure 9-14. Results of classification analysis of benthic macroinvertebrate communities at 4.5-m stations in Onondaga and Otisco lakes in 1992



Note: Bars represent standard errors. Benthic groups are clusters of stations identified by classification analysis based on station-specific abundances of benthic macroinvertebrates.

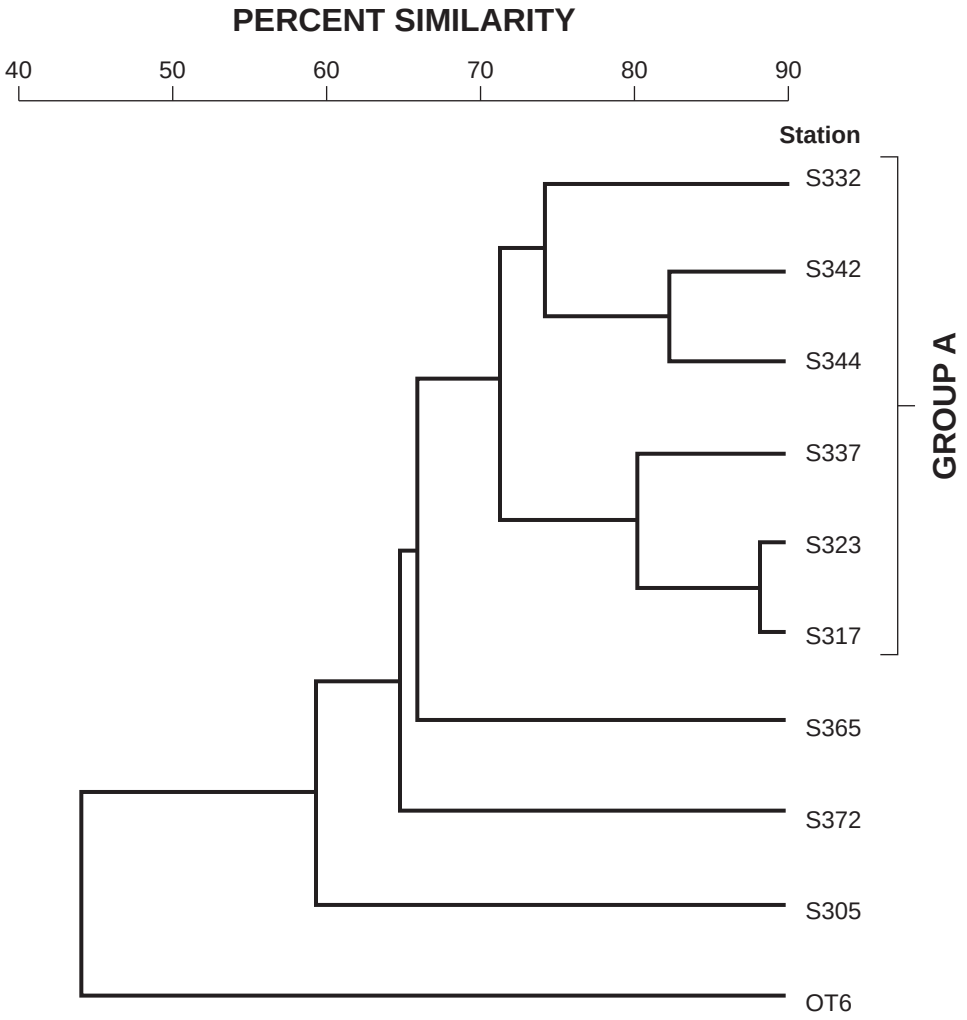
Source: Modified from Exponent, 2001b

Figure 9-15. Comparison of Major Benthic Macroinvertebrate Community Variables Among Benthic Groups for Onondaga Lake in 1992



Source: Exponent, 2001b

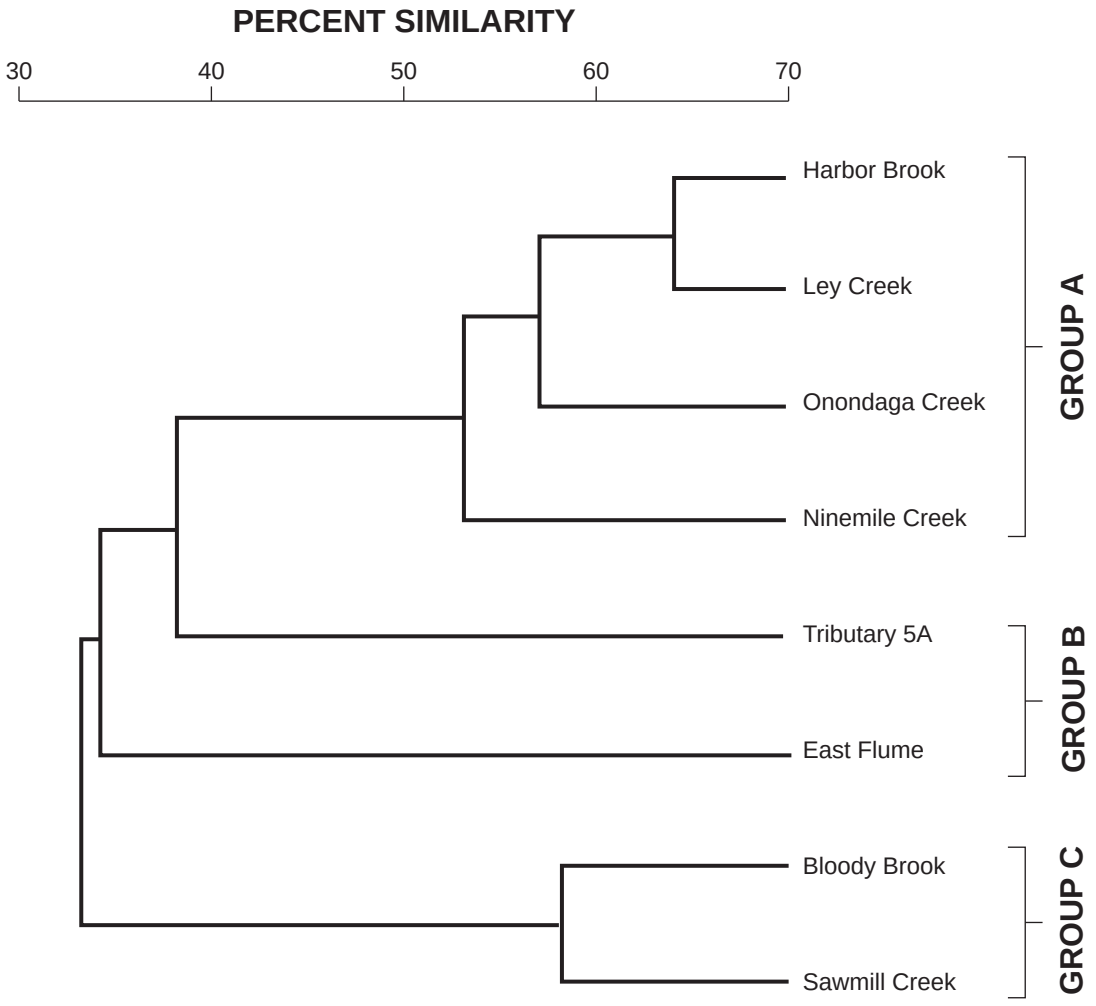
Figure 9-16. Locations of stations at which alterations of benthic macroinvertebrate communities were found in Onondaga Lake in 1992 based on classification analysis



Note: Classification analysis was based on the Bray-Curtis similarity index applied to log-transformed abundances of benthic macroinvertebrate taxa from stations in Onondaga (denoted as "S") and Otisco (denoted as "OT") lakes.

Source: Exponent, 2001b

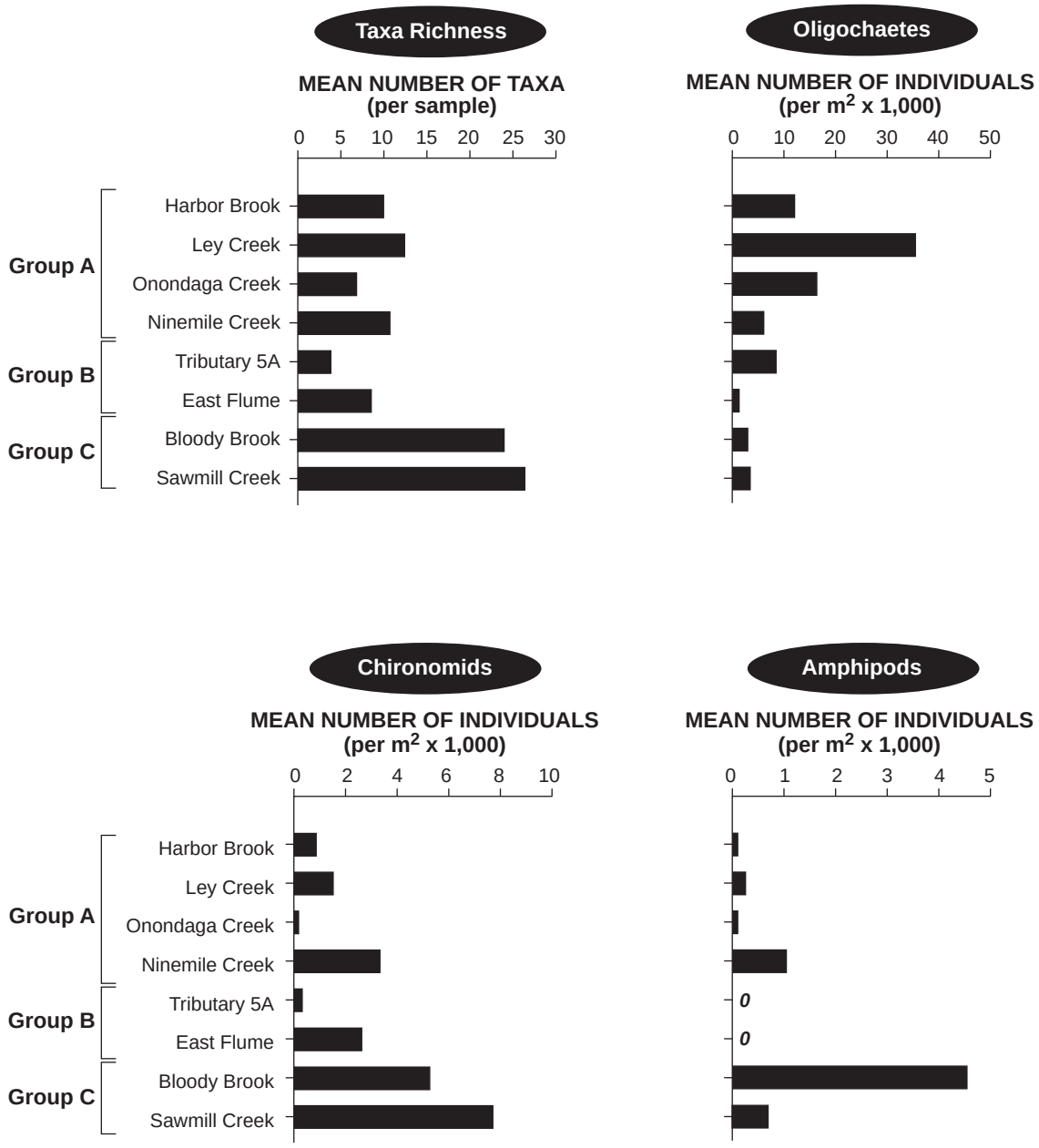
Figure 9-17. Results of classification analysis of benthic macroinvertebrate communities at shallow stations in Onondaga and Otisco lakes in 2000



Note: Classification analysis was based on the Bray-Curtis similarity index applied to log-transformed abundances of benthic macroinvertebrate taxa from each tributary.

Source: Exponent, 2001b

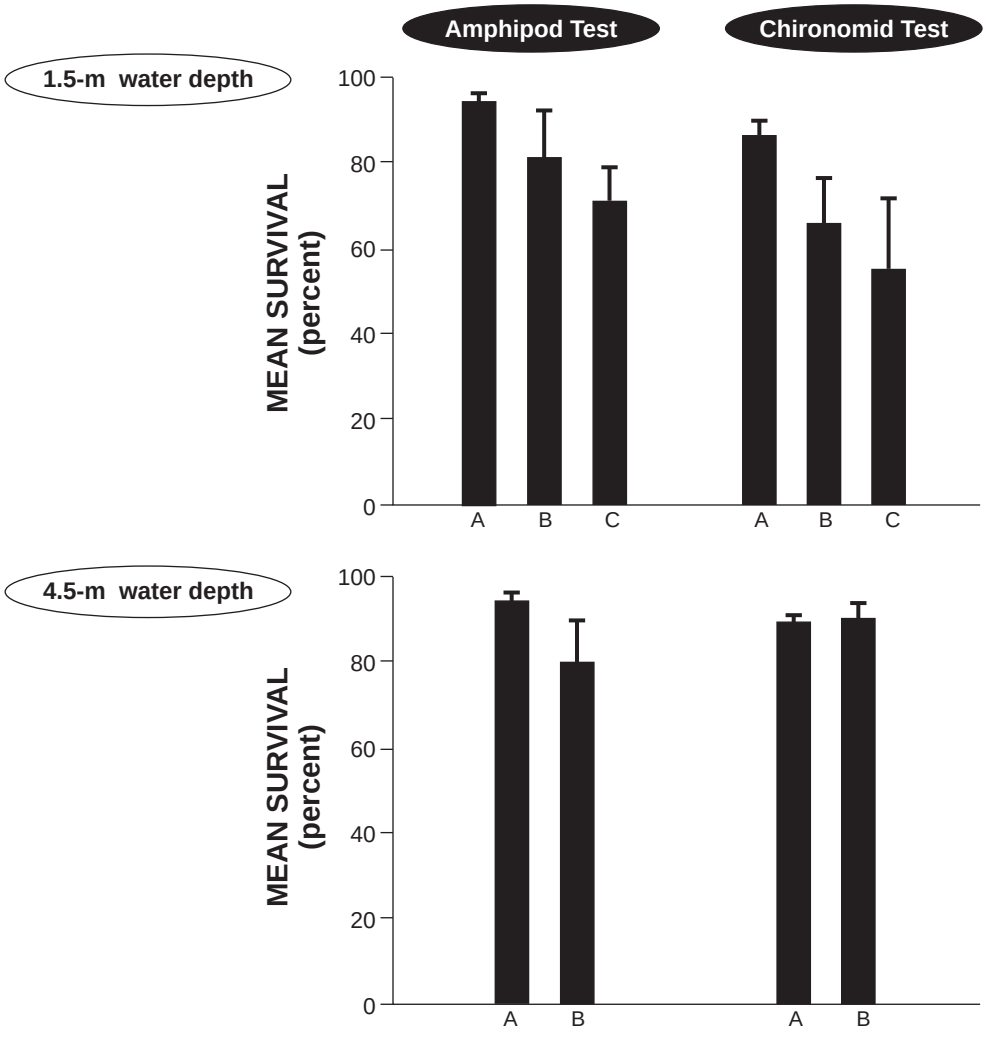
Figure 9-18. Results of classification analysis of benthic macroinvertebrate communities in tributaries of Onondaga Lake in 1992



Note: Benthic groups are clusters of stations identified by classification analysis based on abundance of benthic macroinvertebrates in each tributary.

Source: Exponent, 2001b

Figure 9-19. Comparison of major benthic macroinvertebrate community variables among tributaries of Onondaga Lake in 1992

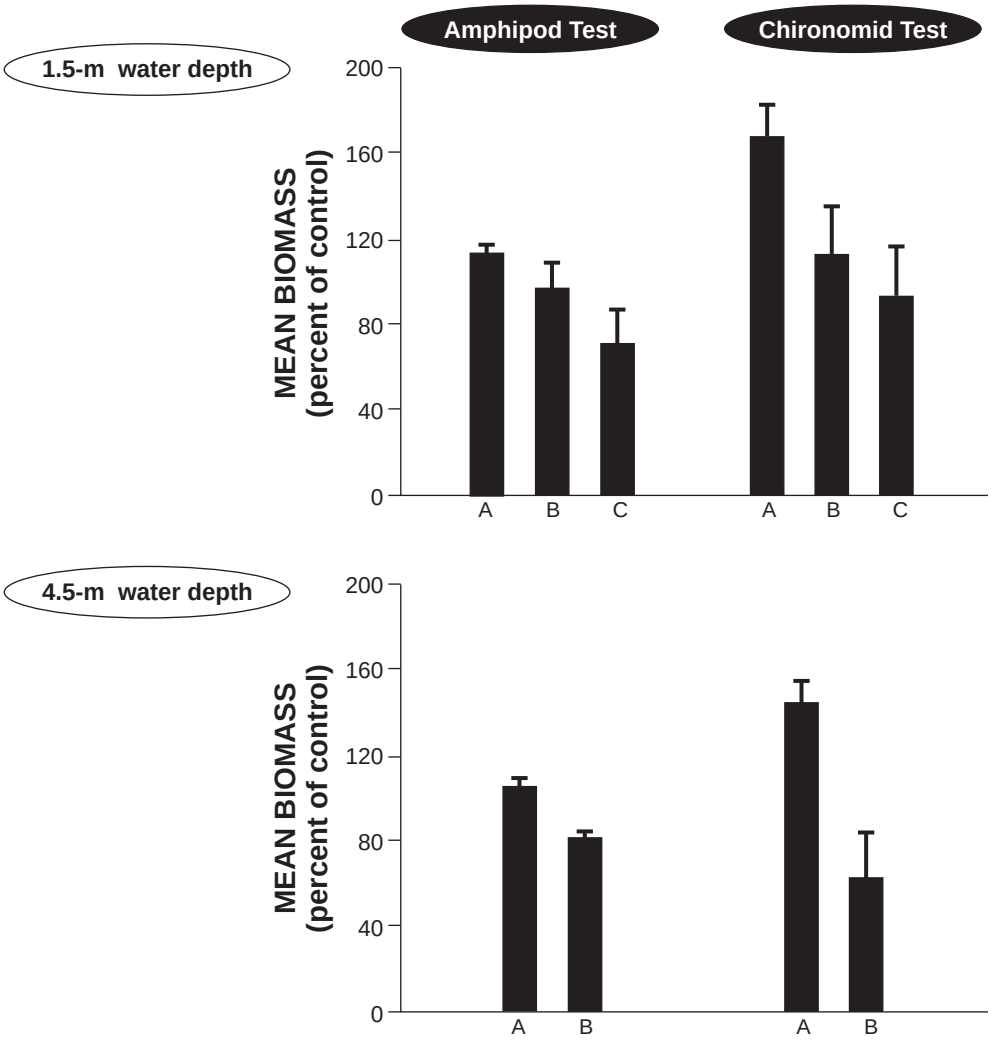


Note: Bars represent standard errors.

Benthic groups are clusters of stations identified by classification analysis based on station-specific abundances of benthic macroinvertebrates.

Source: Modified from Exponent, 2001b

Figure 9-20. Comparison of Survival Results for Toxicity Tests Among Benthic Macroinvertebrate Groups for Onondaga Lake in 1992



Note: Bars represent standard errors.

Benthic groups are clusters of stations identified by classification analysis based on station-specific abundances of benthic macroinvertebrates.

Source: Modified from Exponent, 2001b

Figure 9-21. Comparison of Biomass Results for Sediment Toxicity Tests Among Benthic Macroinvertebrate Groups for Onondaga Lake in 1992

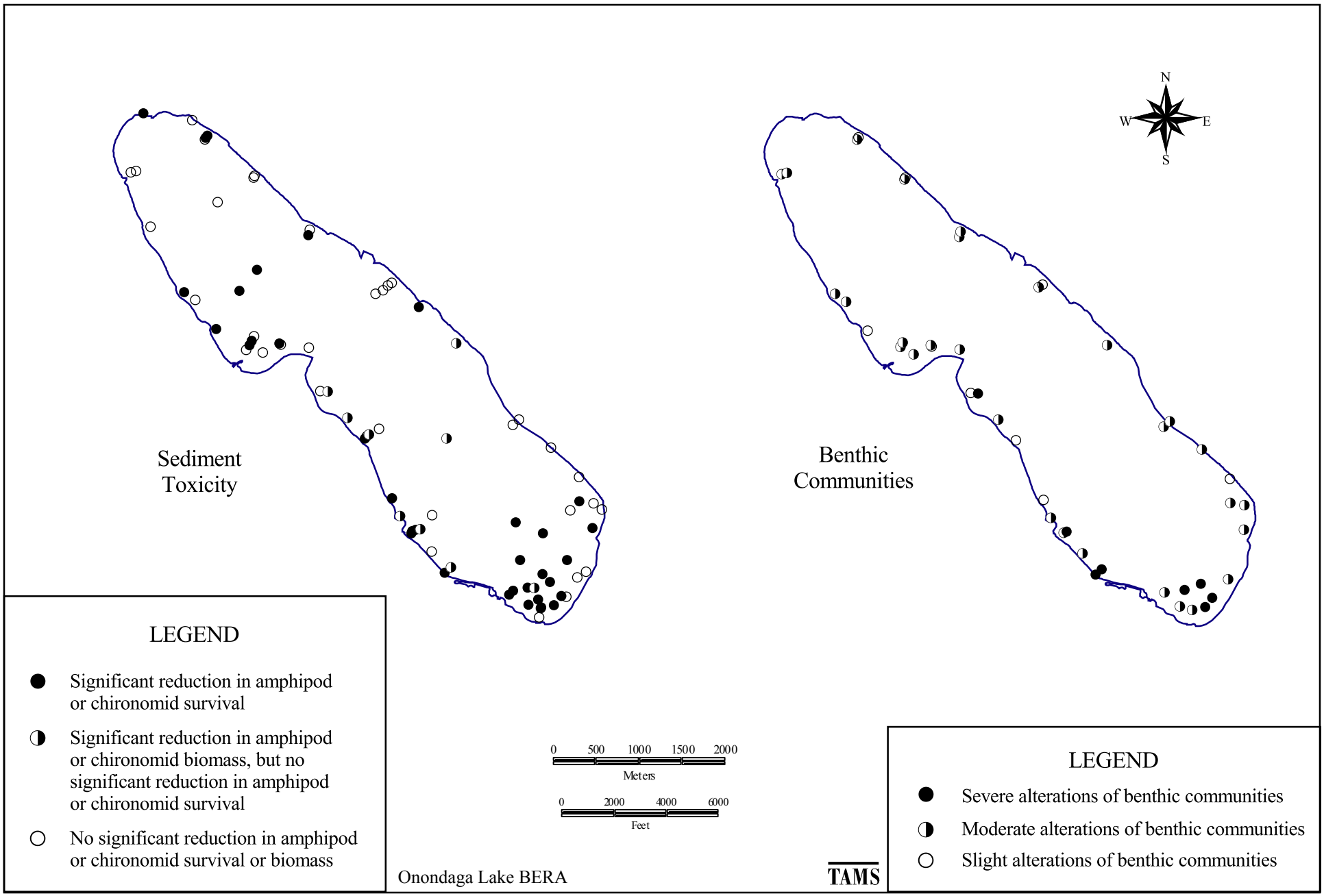


Figure 9-22

Locations of Stations at Which Significant Sediment Toxicity or Alterations of Benthic Macroinvertebrate Communities were Found in Onondaga Lake in 1992

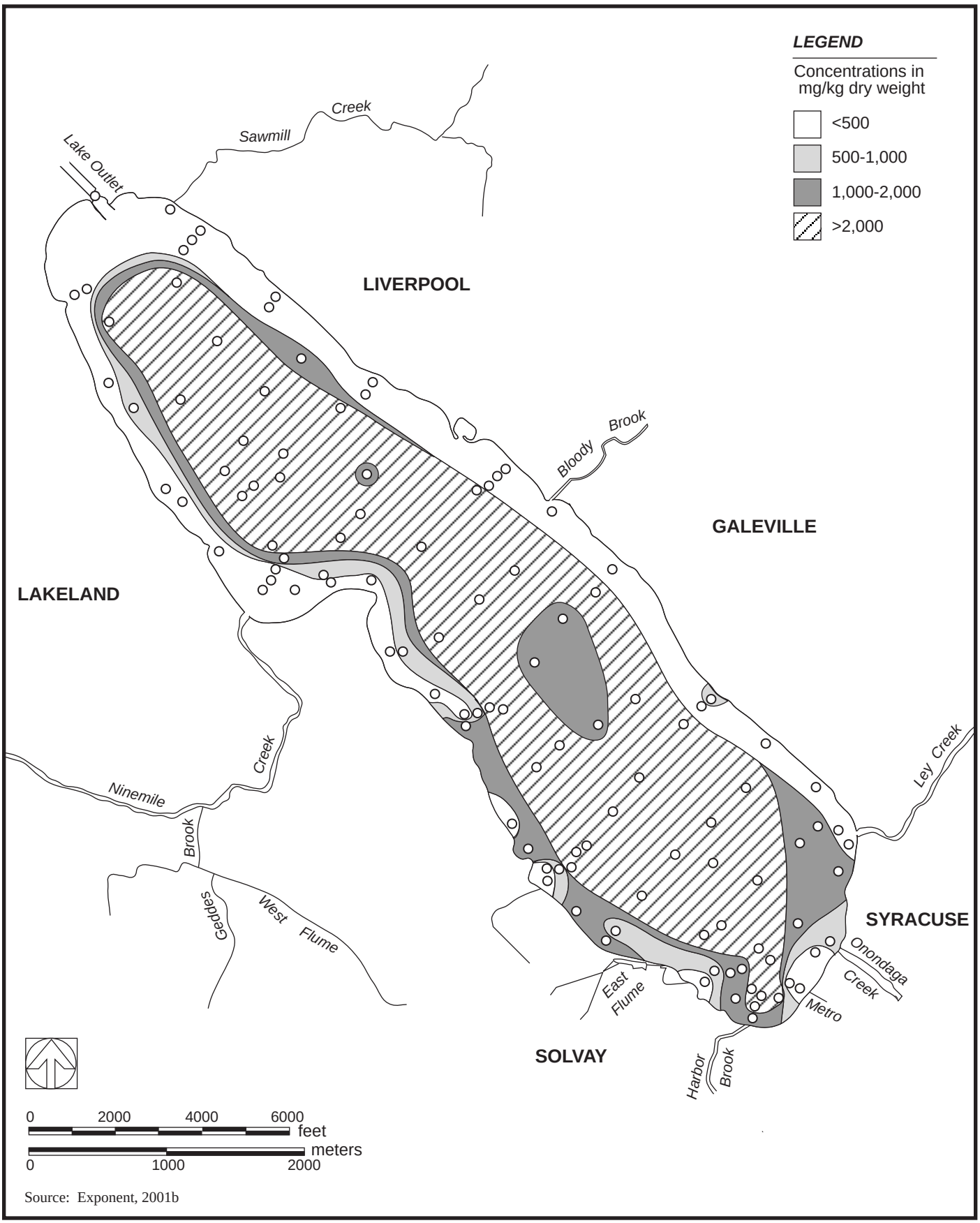


Figure 9-23. Distribution of acid-volatile sulfides in surficial sediments of Onondaga Lake in 1992.

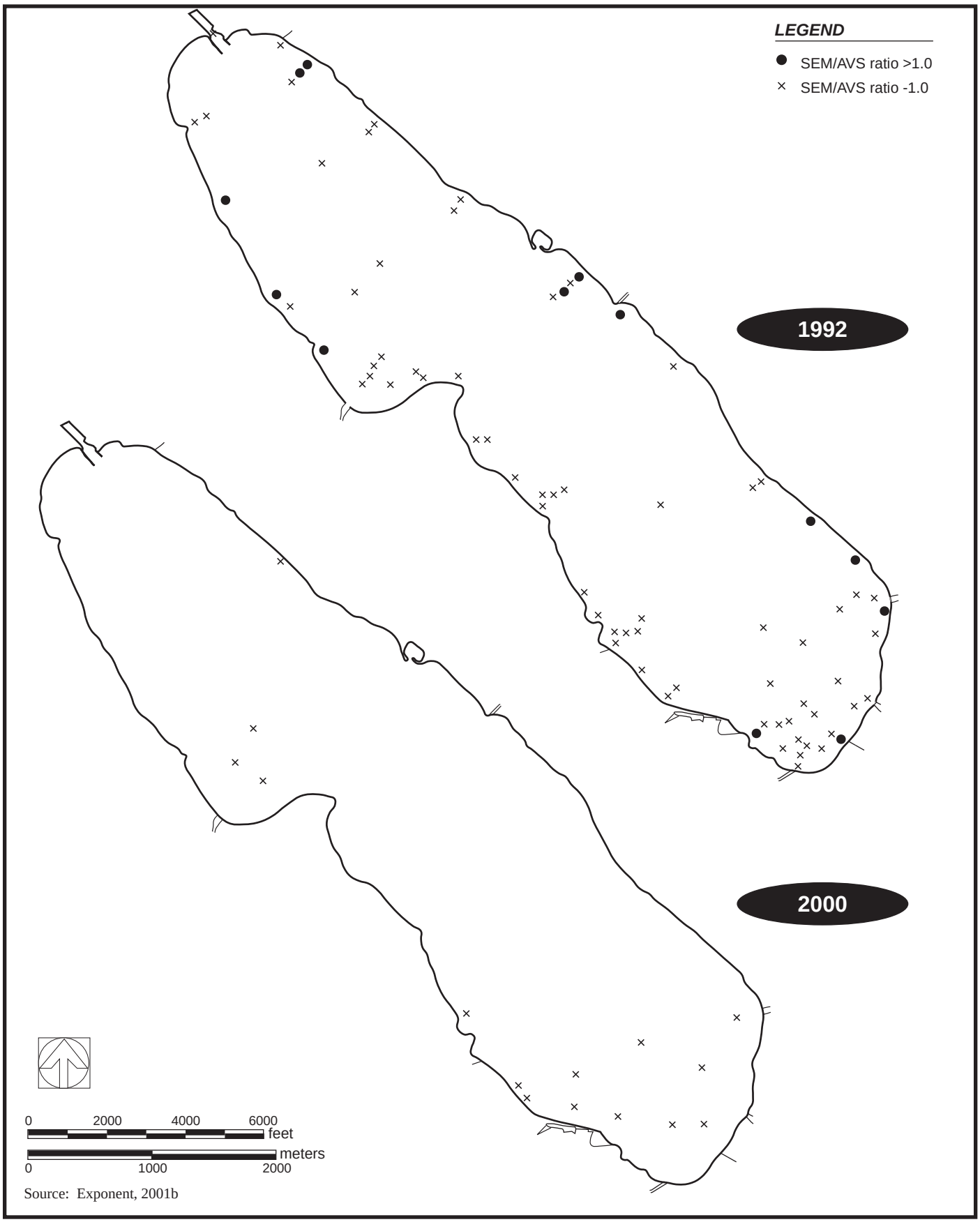


Figure 9-24. Locations of stations at which the SEM/AVS ratio exceeded 1.0 in surface sediment of Onondaga Lake in 1992 and 2000