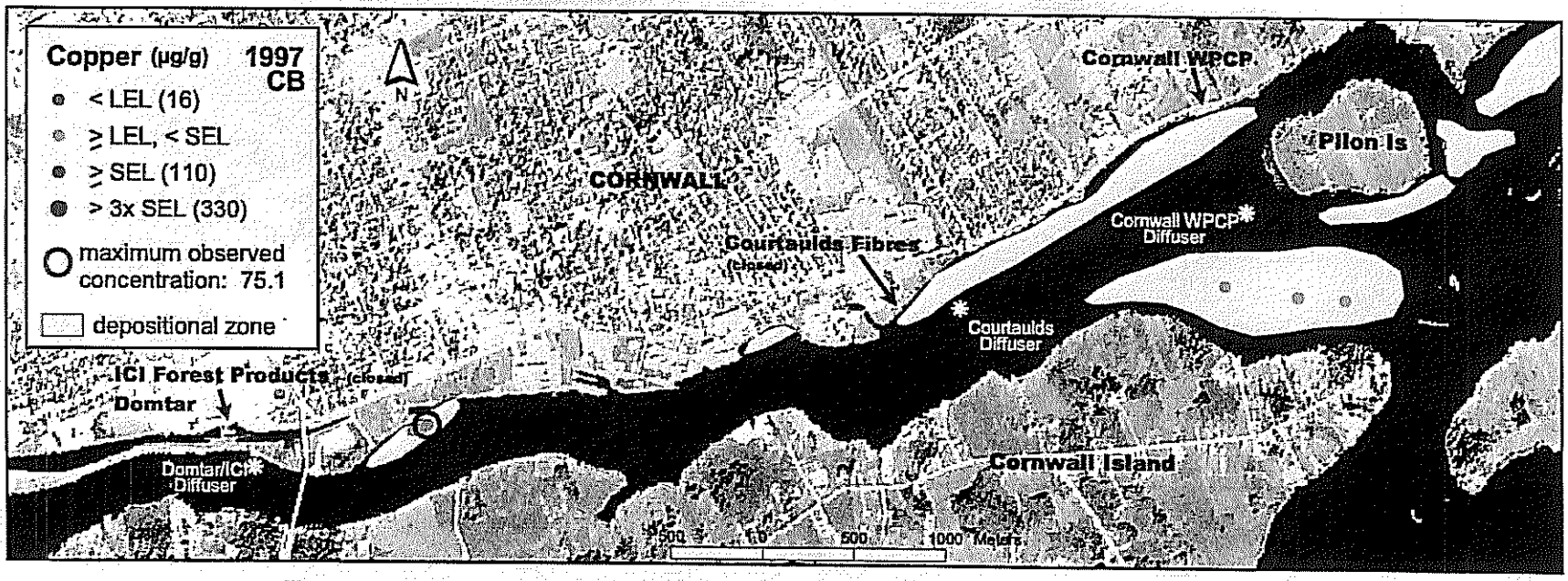

Figure 71. Copper in bottom sediment (bottom 10 cm of core), 1997 (Richman 1999). CB=core bottom.

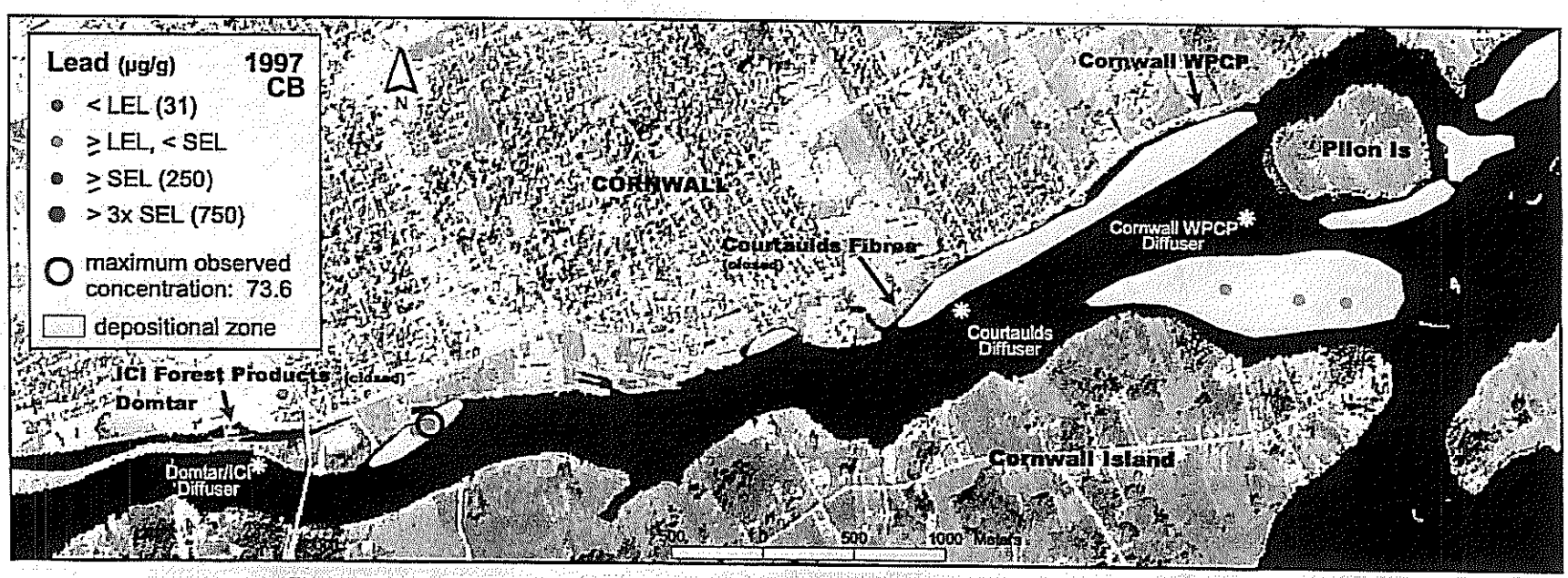

Figure 72. Lead in bottom sediment (bottom 10 cm of core), 1997 (Richman 1999). CB=core bottom.

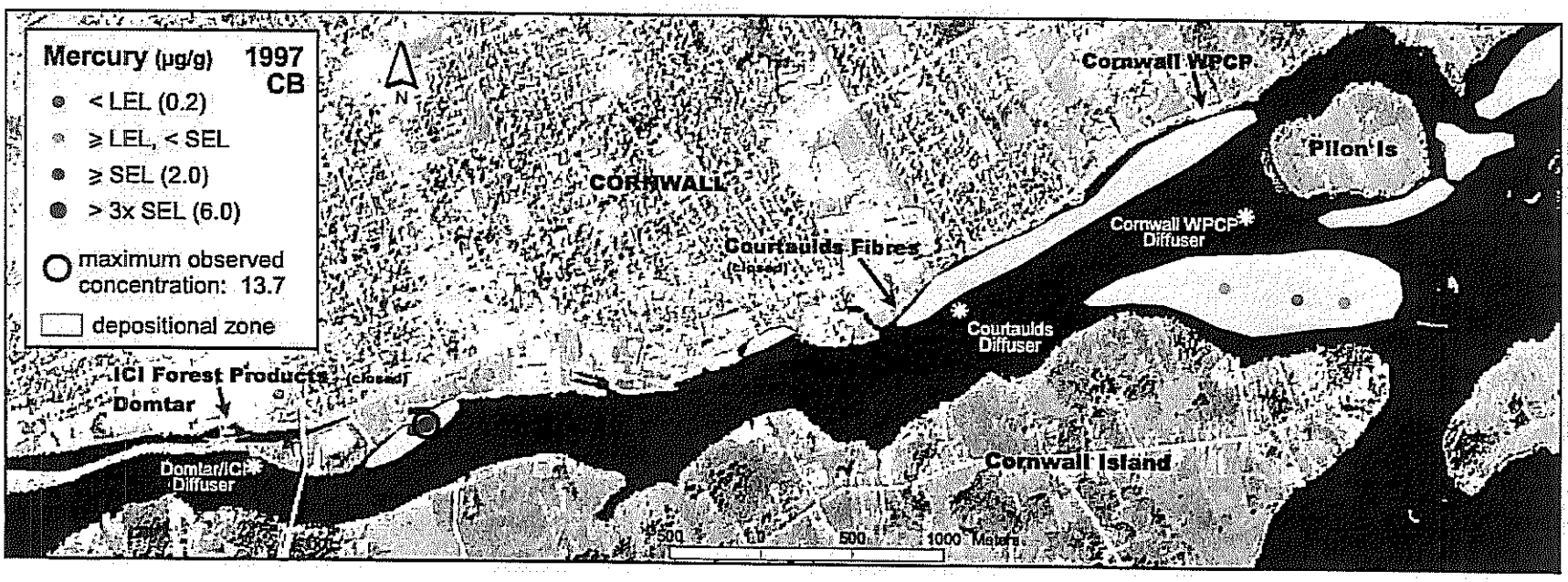

Figure 69. Total mercury in bottom sediment (bottom 10 cm of core), 1997 (Richman 1999). CB=core bottom.

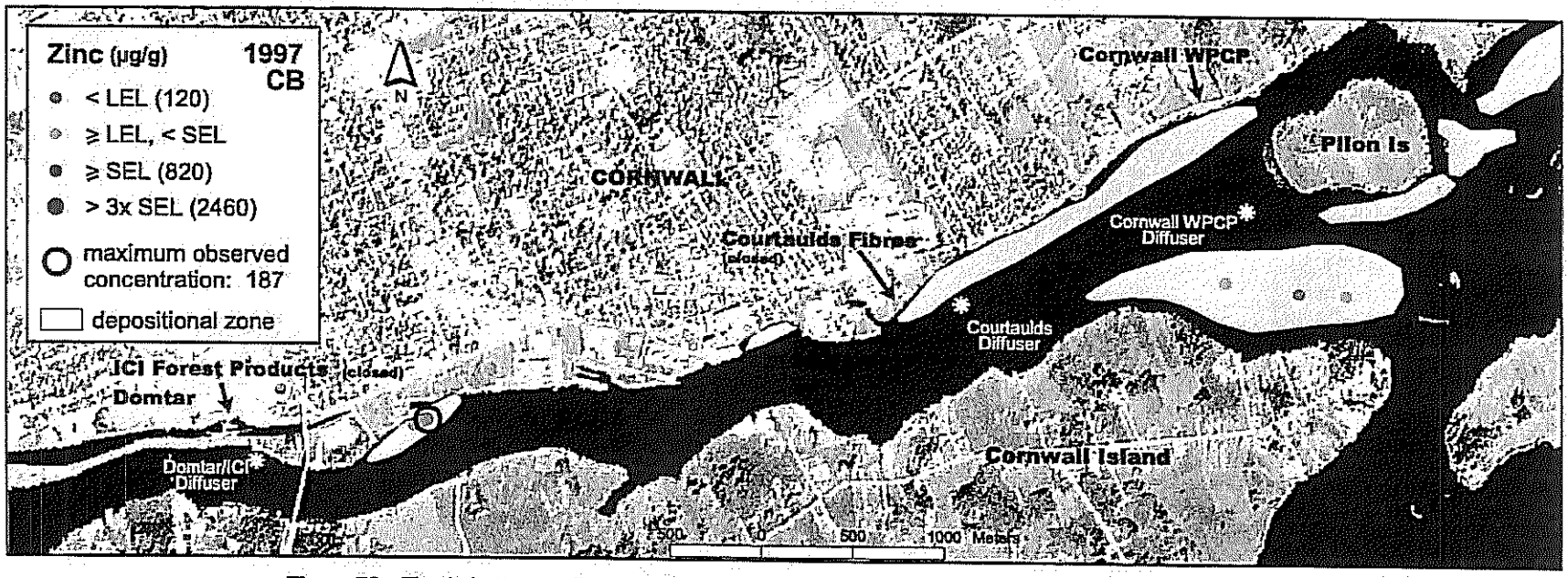

Figure 70. Zinc in bottom sediment (bottom 10 cm of core), 1997 (Richman 1999). CB=core bottom.

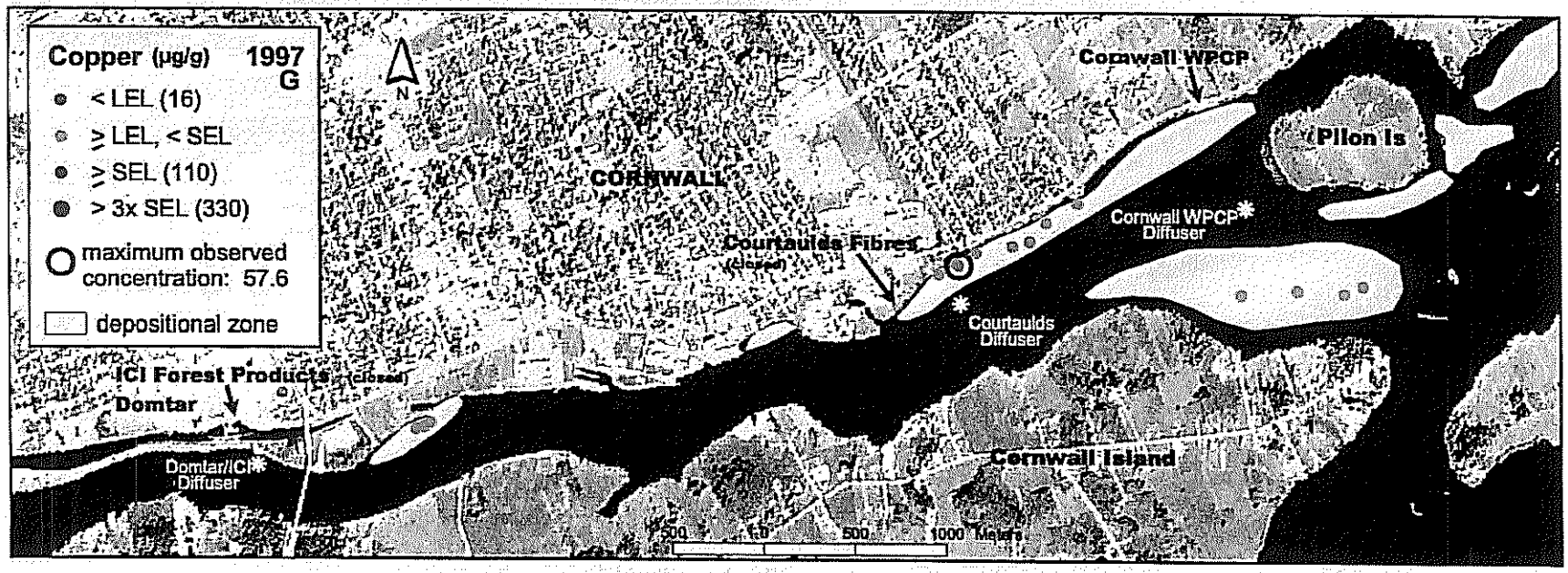

Figure 67. Copper in bottom sediment (top 3 cm), 1997 (Richman 1999). G=surface grab sample.

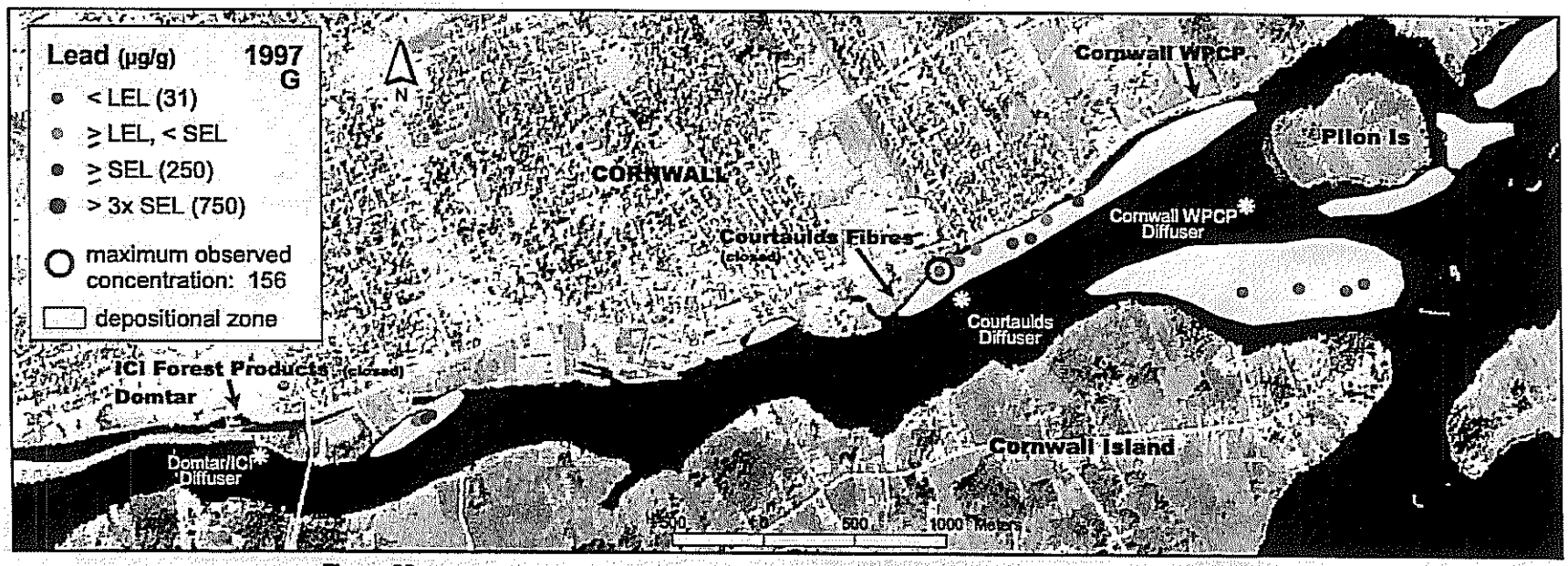

Figure 68. Lead in bottom sediment (top 3 cm), 1997 (Richman 1999). G=surface grab sample.

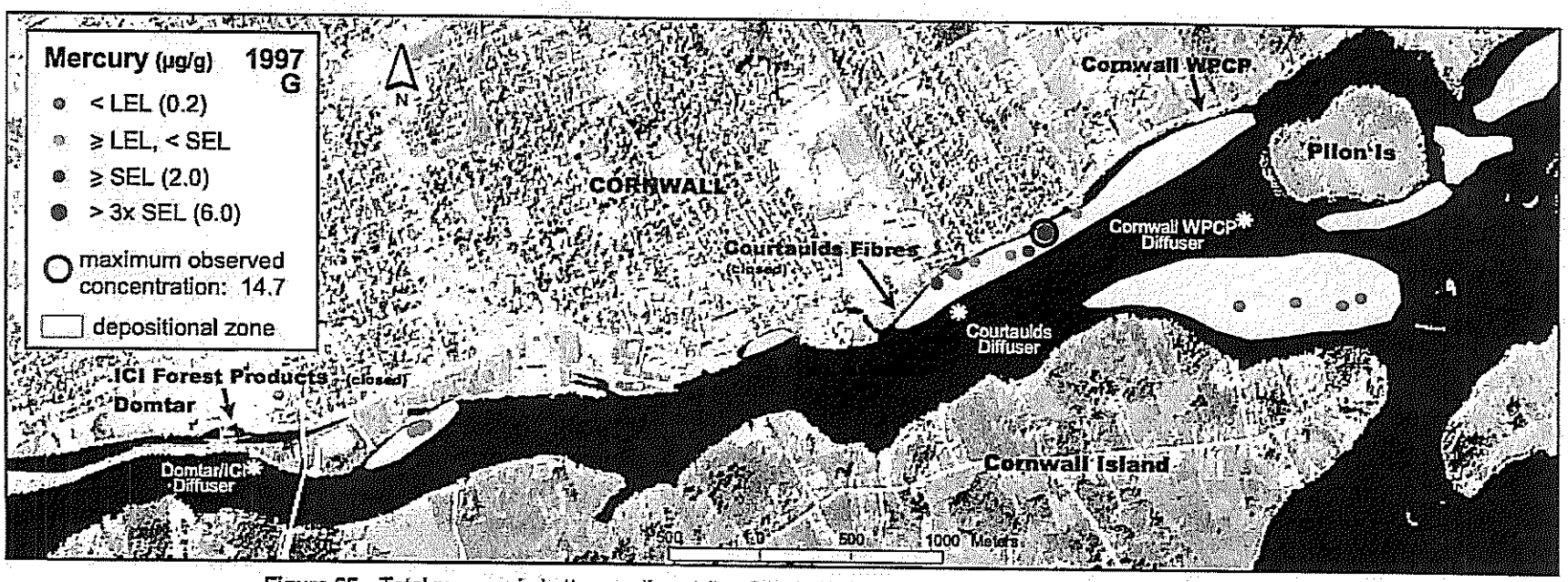

Figure 65. Total mercury in bottom sediment (top 3 cm), 1997 (Richman 1999). G=surface grab sample.

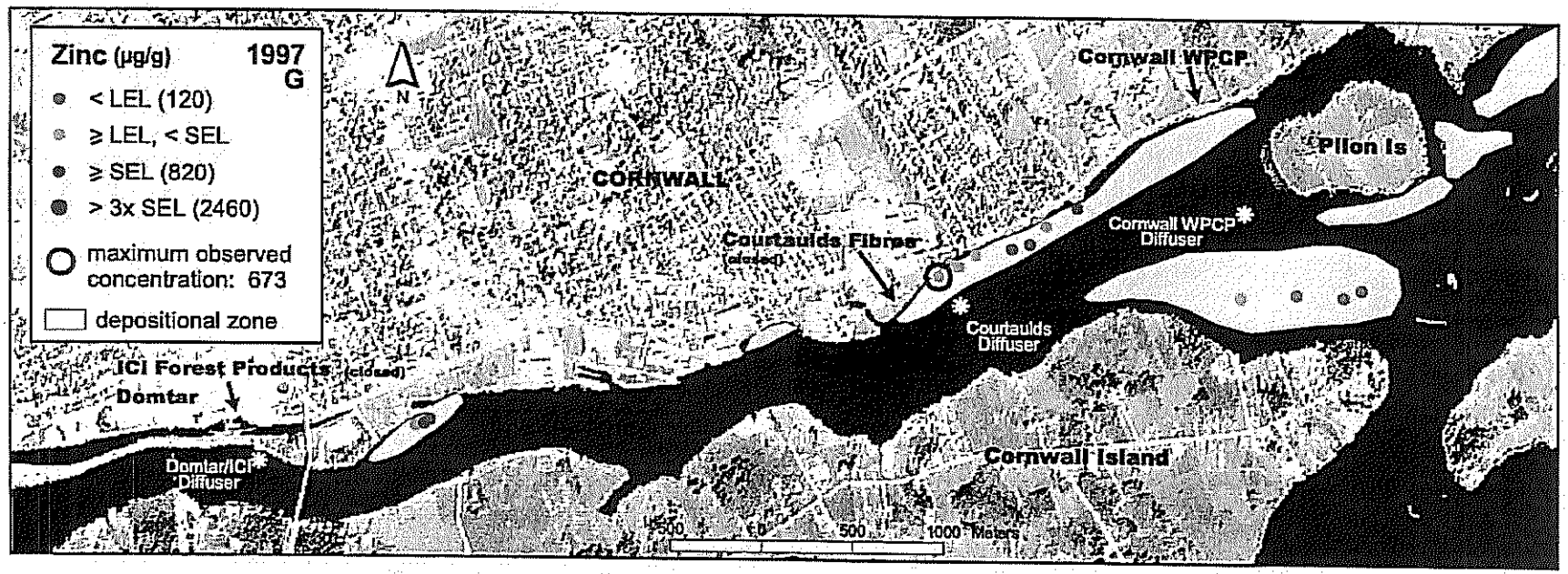

Figure 66. Zinc in bottom sediment (top 3 cm), 1997 (Richman 1999). G=surface grab sample.

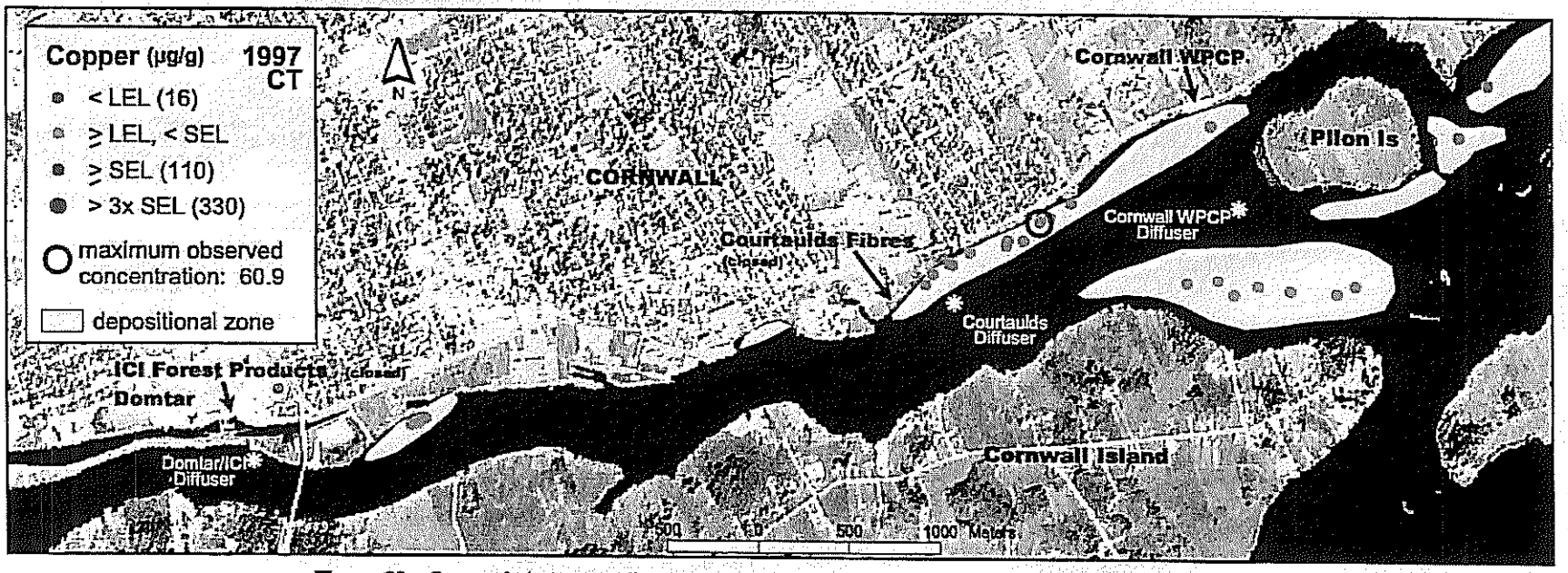

Figure 63. Copper in bottom sediment (top 10 cm of core), 1997 (Richman 1999). CT=core top.

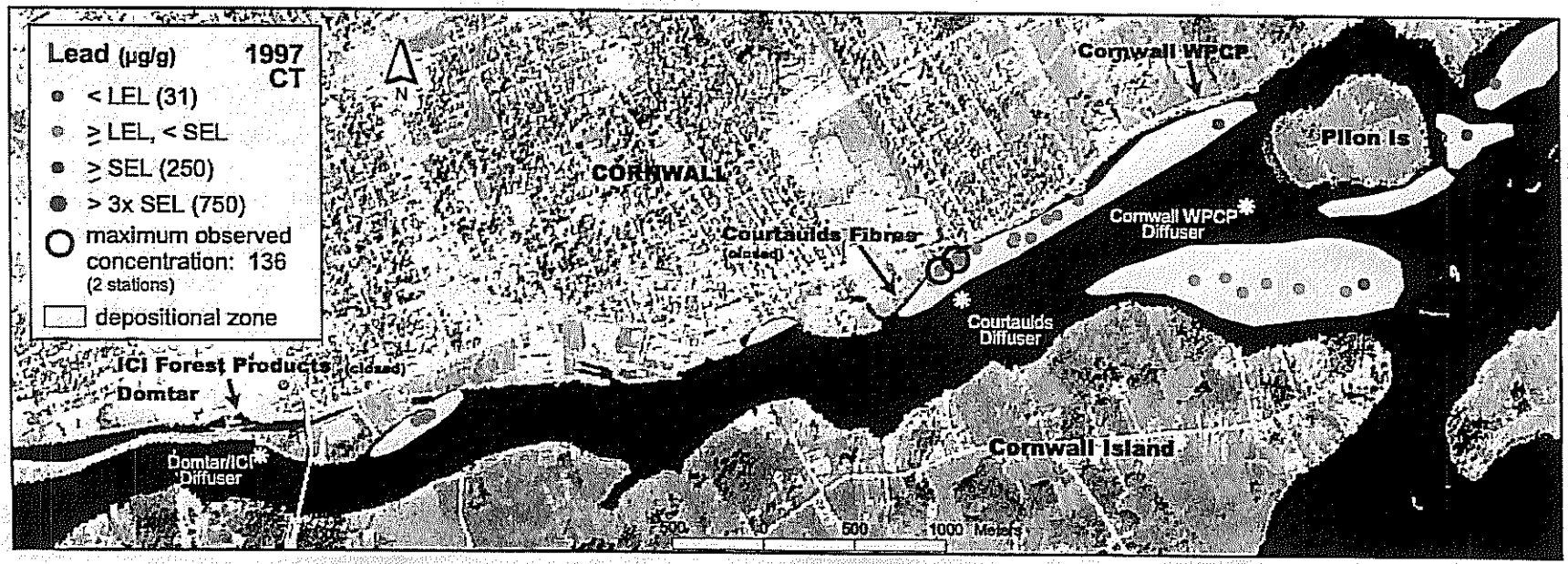

Figure 64. Lead in bottom sediment (top 10 cm of core), 1997 (Richman 1999). CT=core top.

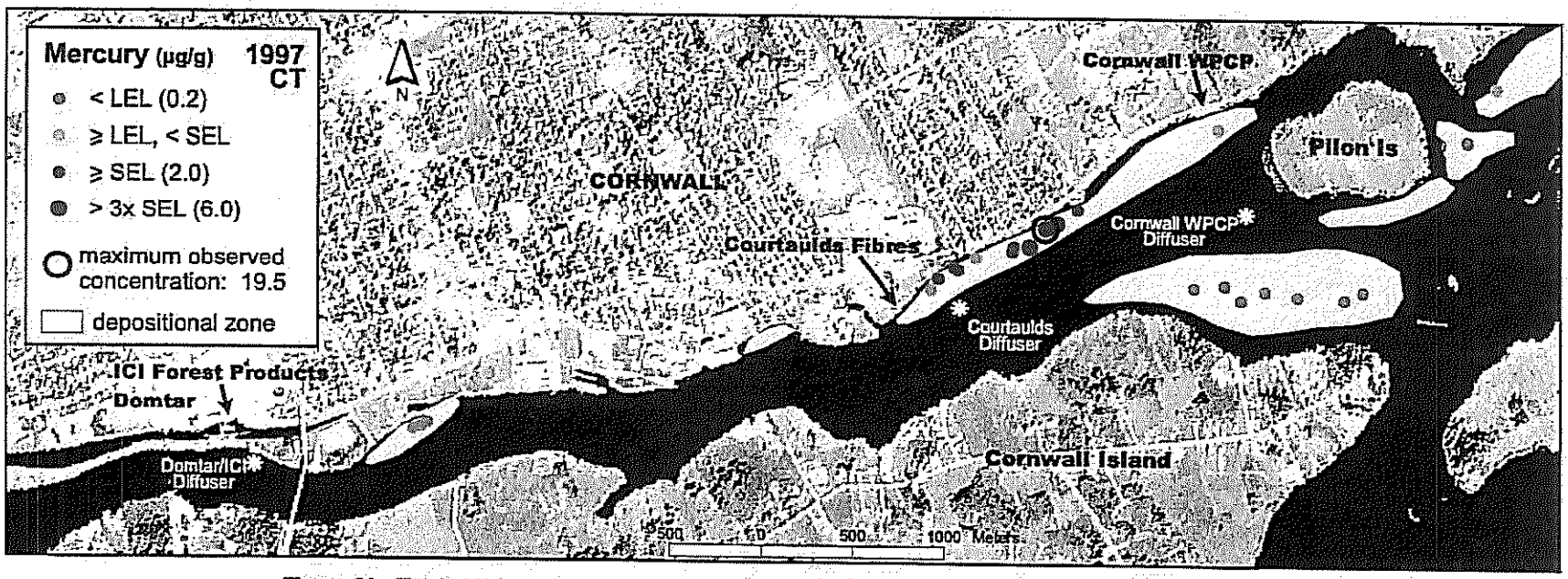

Figure 61. Total mercury in bottom sediment (top 10 cm of core), 1997 (Richman 1999). CT=core top.

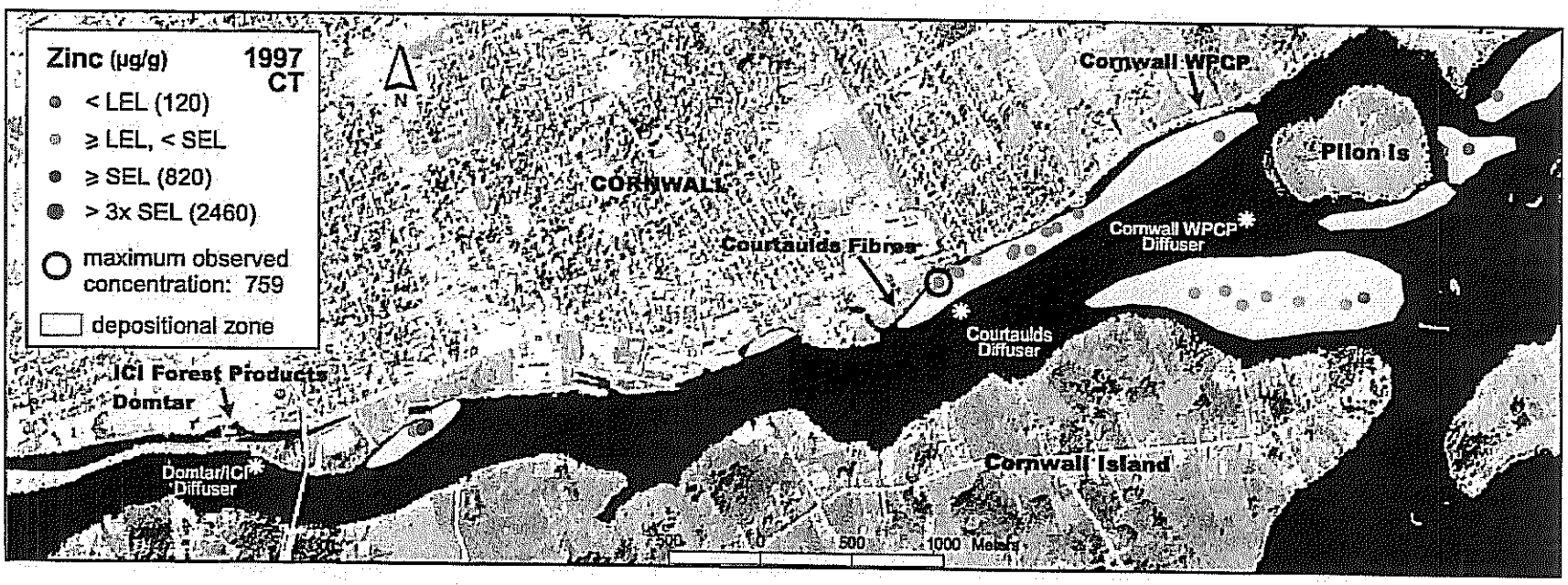

Figure 62. Zinc in bottom sediment (top 10 cm of core), 1997 (Richman 1999). CT=core top.

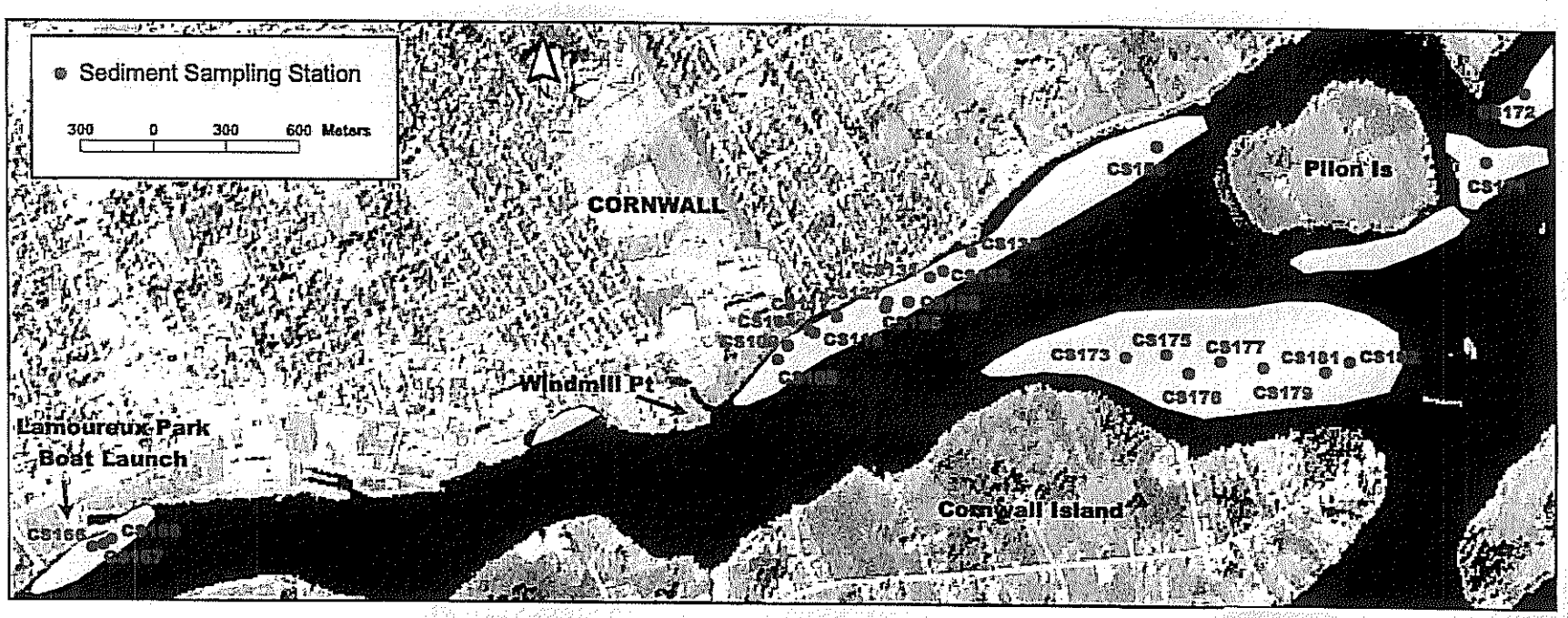

Figure 60. 1997 bottom sediment sampling locations (Richman 1999).

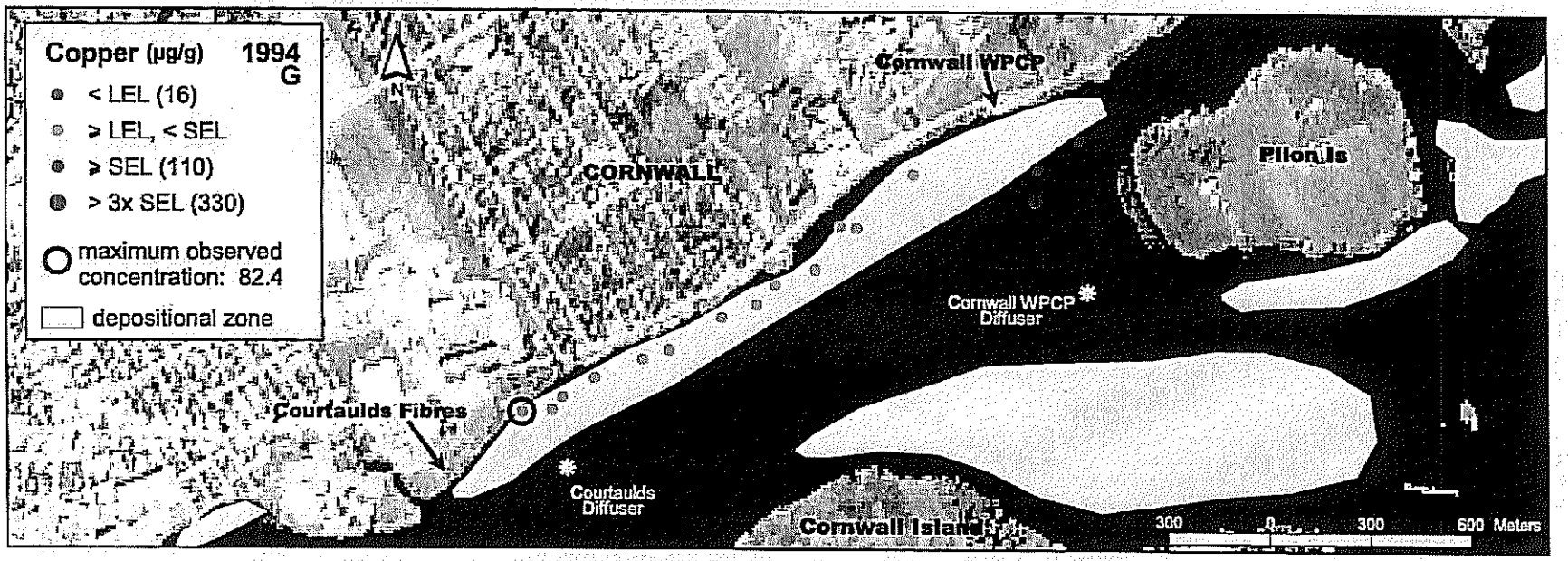

Figure 58. Copper in bottom sediment (surface grab sample), 1994 (Richman 1996). G=surface grab sample.

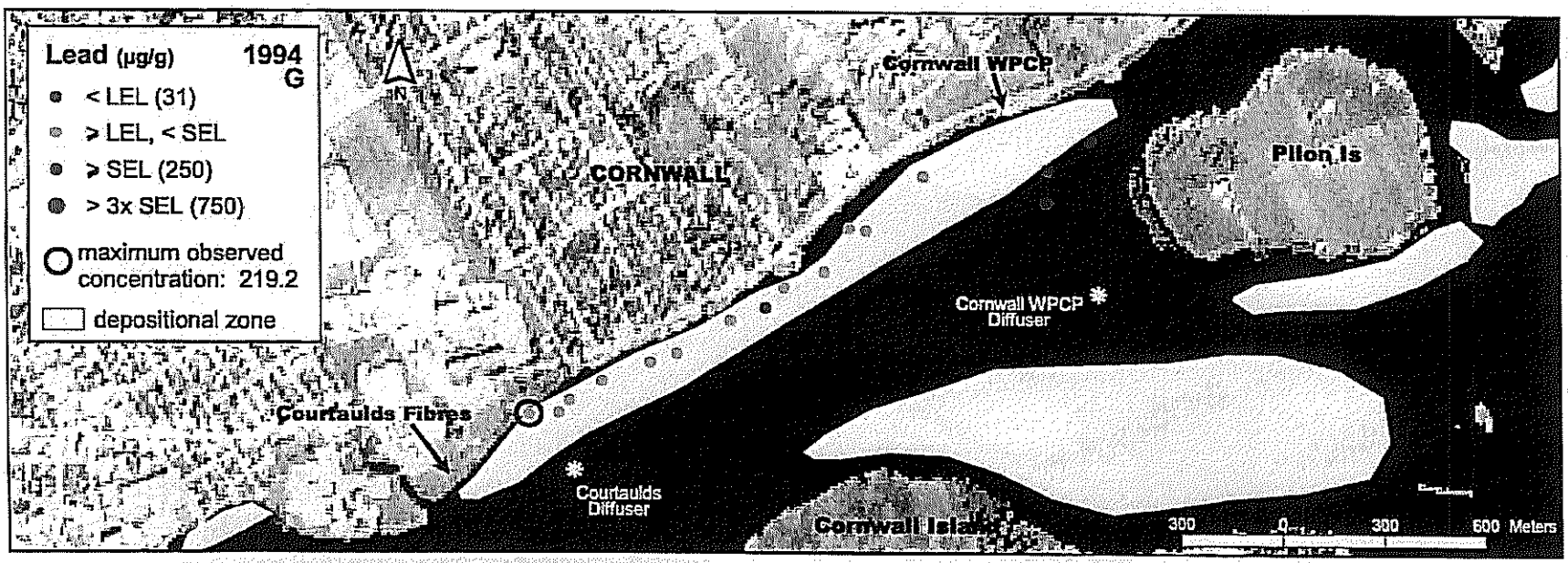

Figure 59. Lead in bottom sediment (surface grab sample), 1994 (Richman 1996). G=surface grab sample.

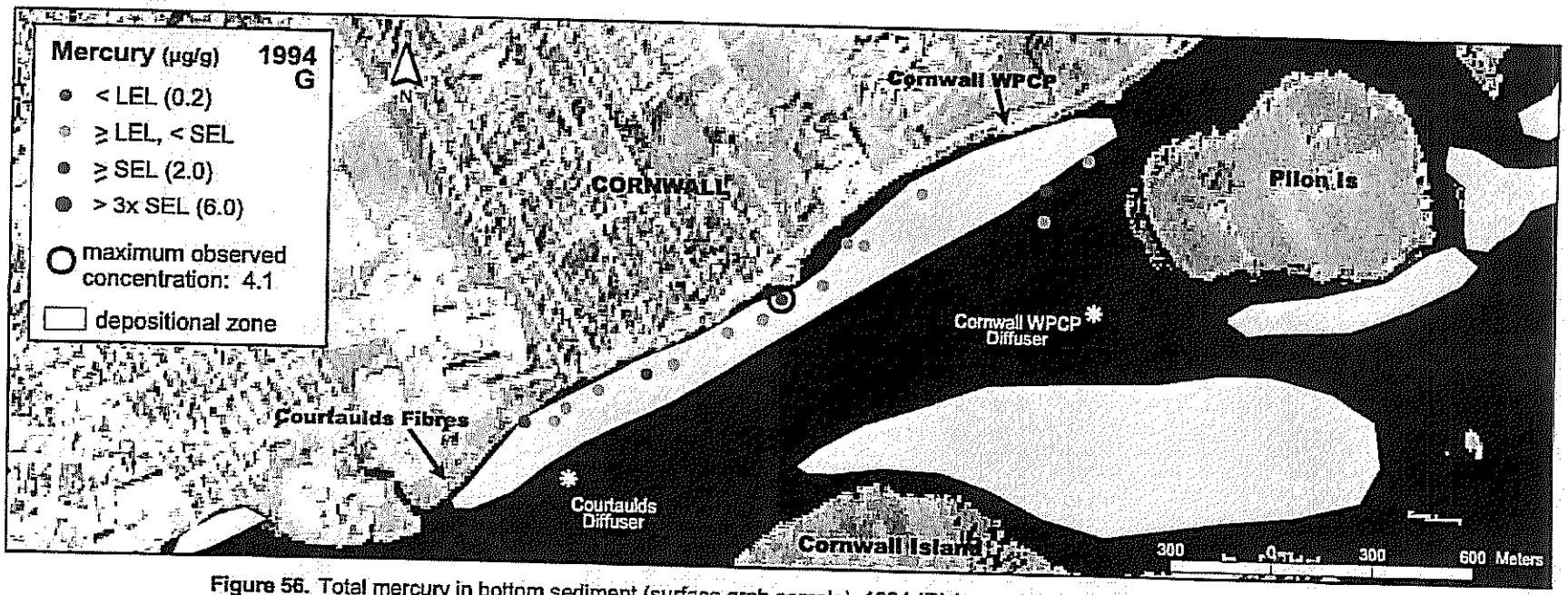

Figure 56. Total mercury in bottom sediment (surface grab sample), 1994 (Richman 1996). G=surface grab sample.

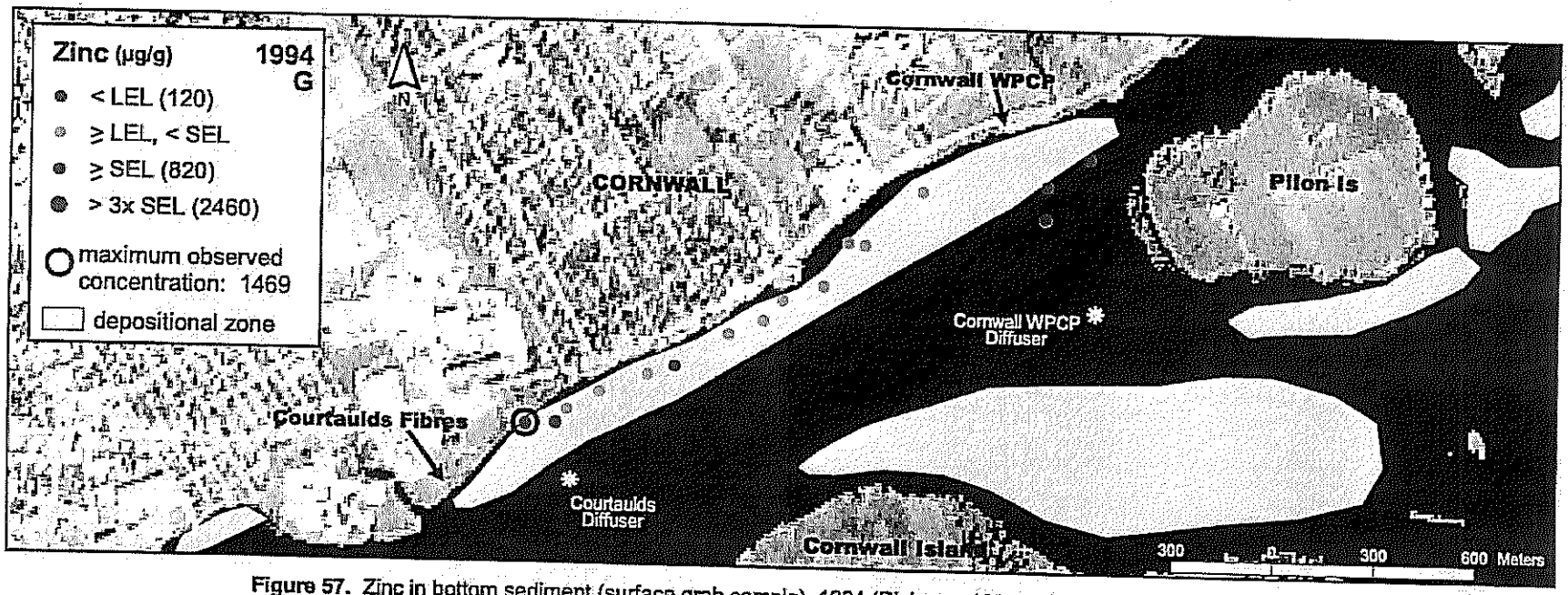

Figure 57. Zinc in bottom sediment (surface grab sample), 1994 (Richman 1996). G=surface grab sample.

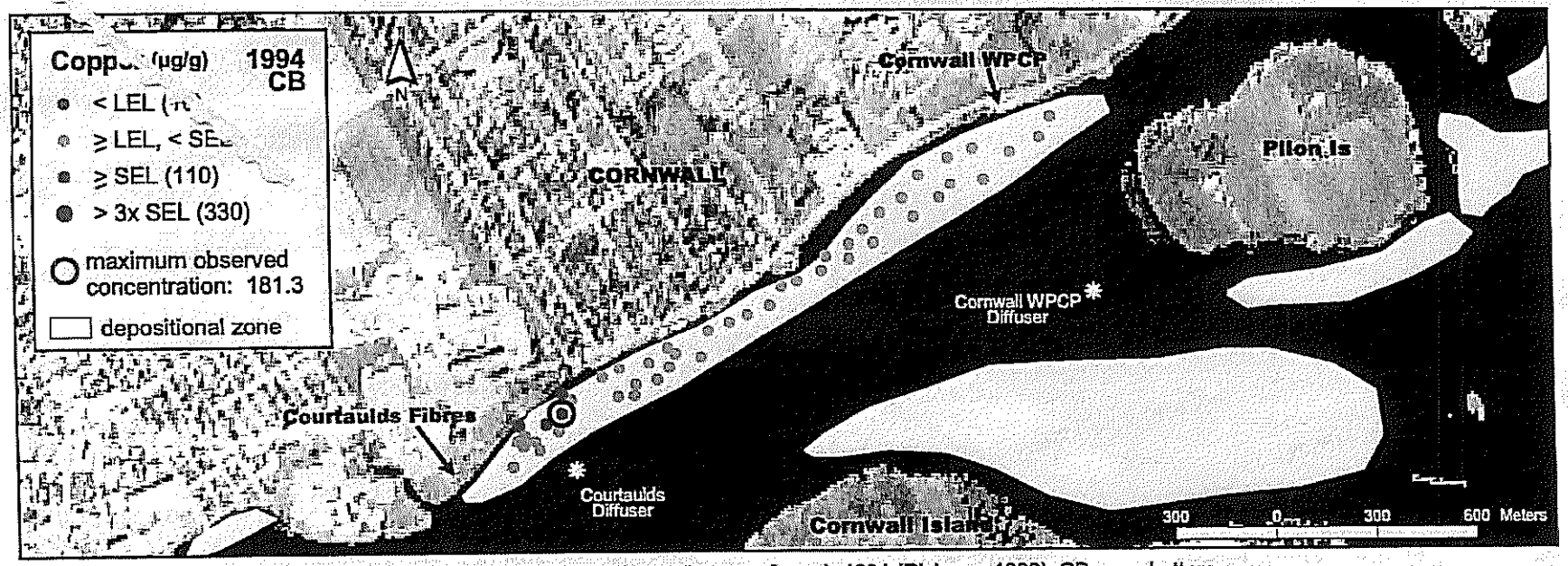

Figure 54. Copper in bottom sediment (bottom of core), 1994 (Richman 1996). CB=core bottom.

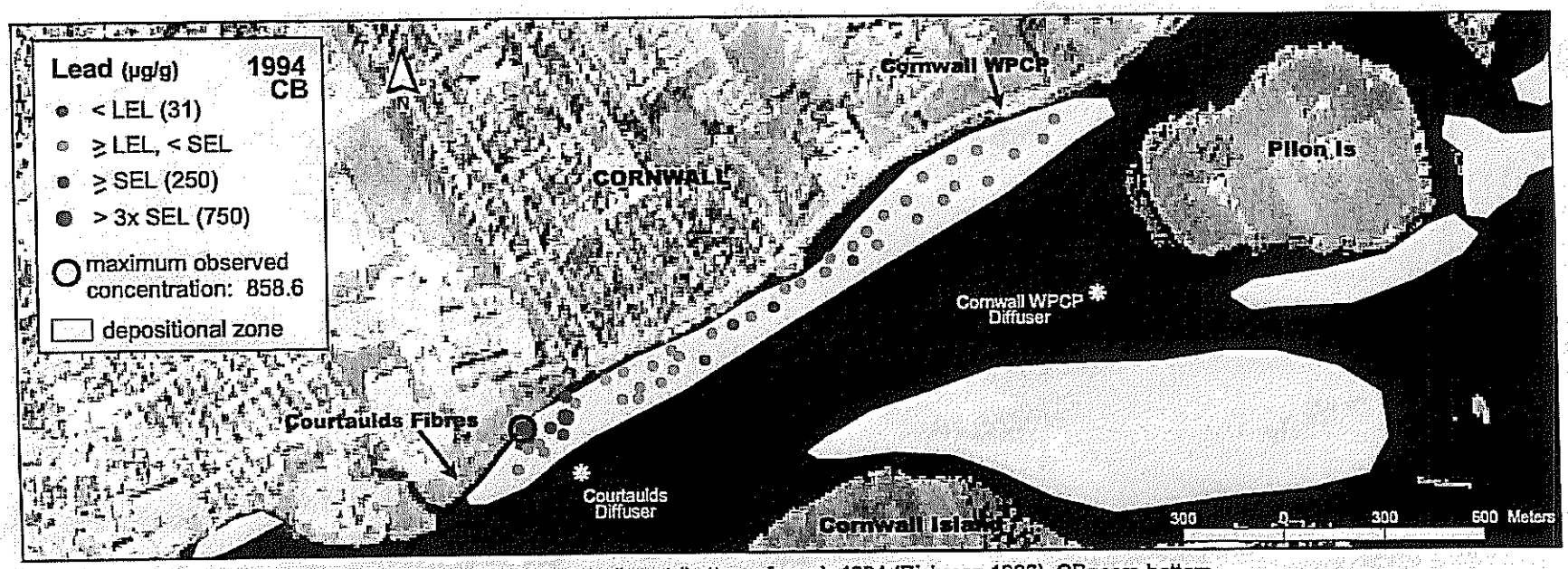

Figure 55. Lead in bottom sediment (bottom of core), 1994 (Richman 1996). CB=core bottom.

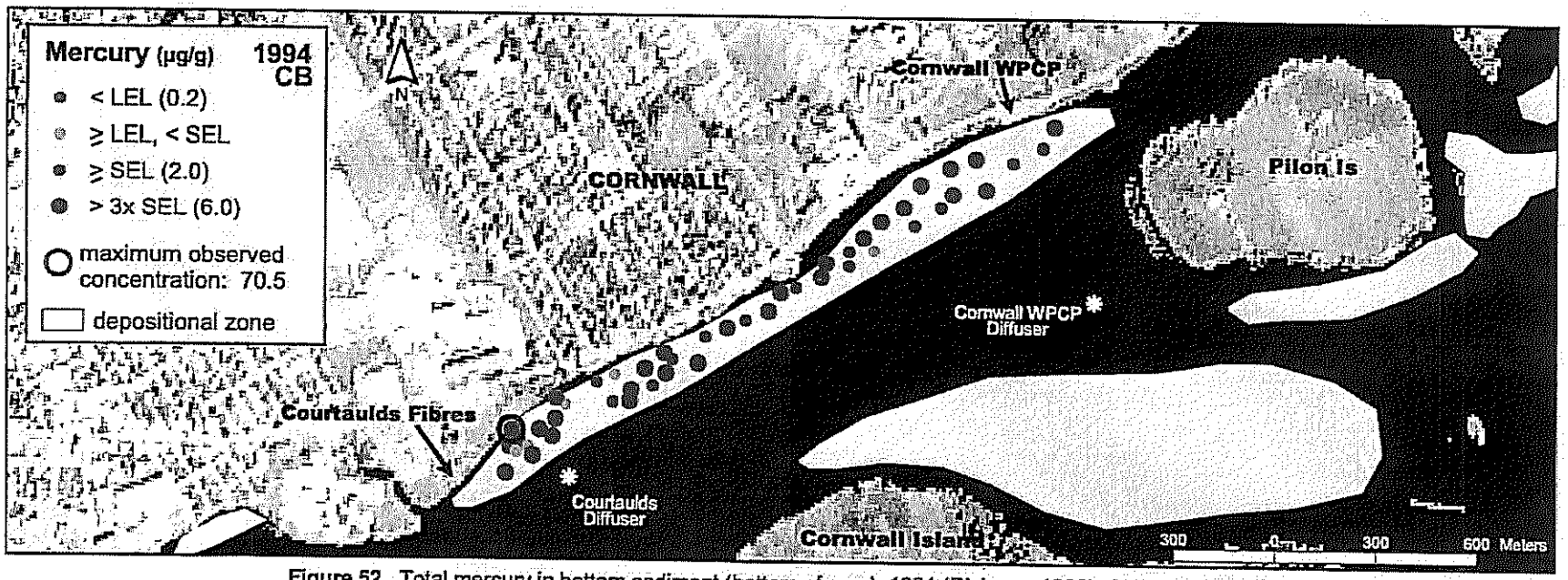

Figure 52. Total mercury in bottom sediment (bottom of core), 1994 (Richman 1996). CB=core bottom.

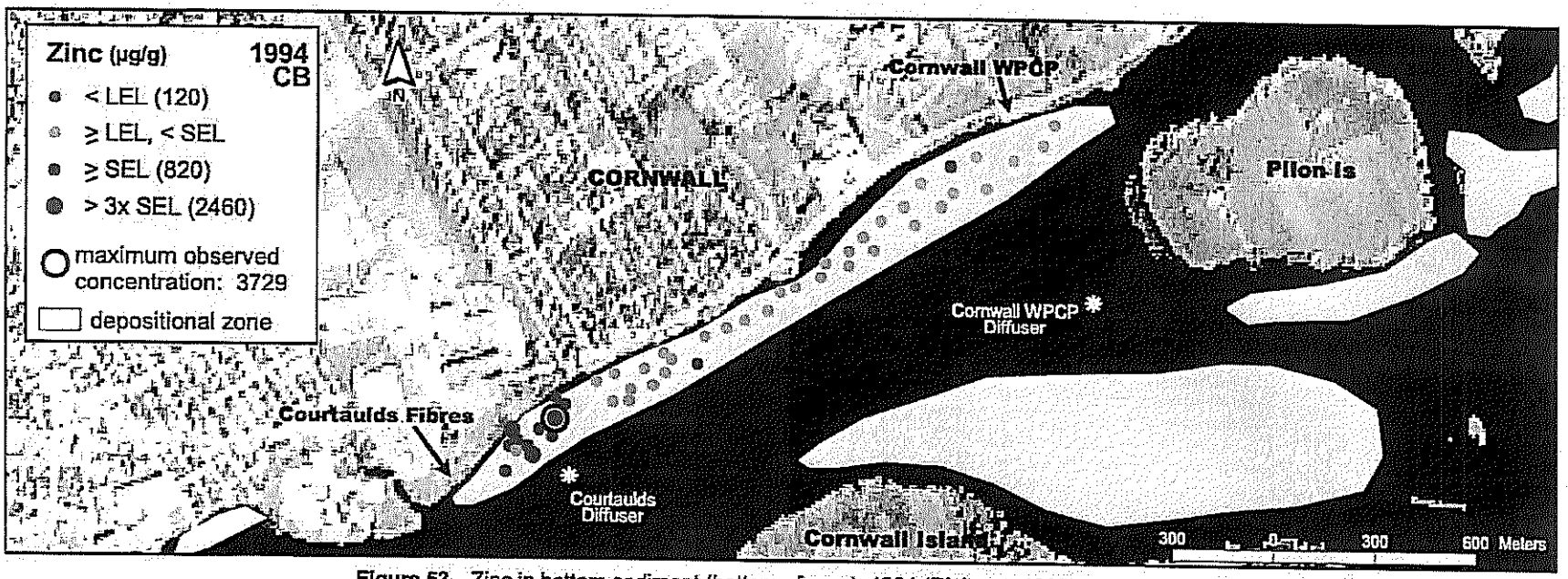

Figure 53. Zinc in bottom sediment (bottom of core), 1994 (Richman 1996). CB=core bottom.

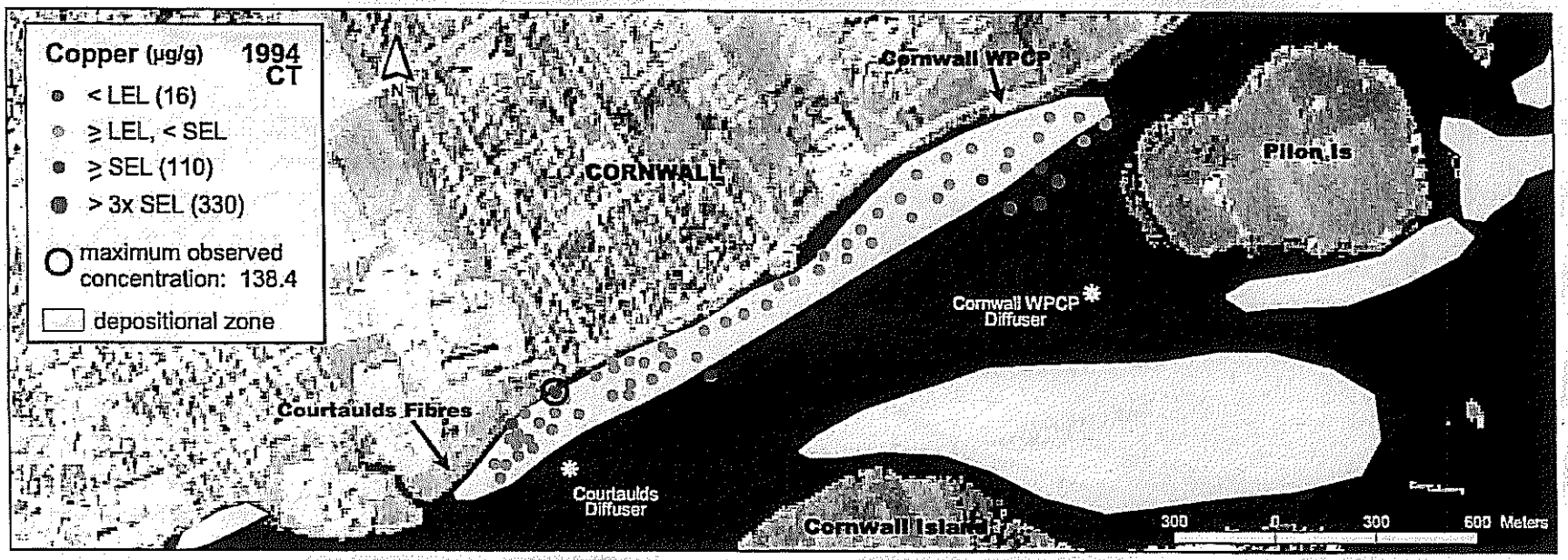

Figure 50. Copper in bottom sediment (top 10 cm of core), 1994 (Richman 1996). CT=core top.

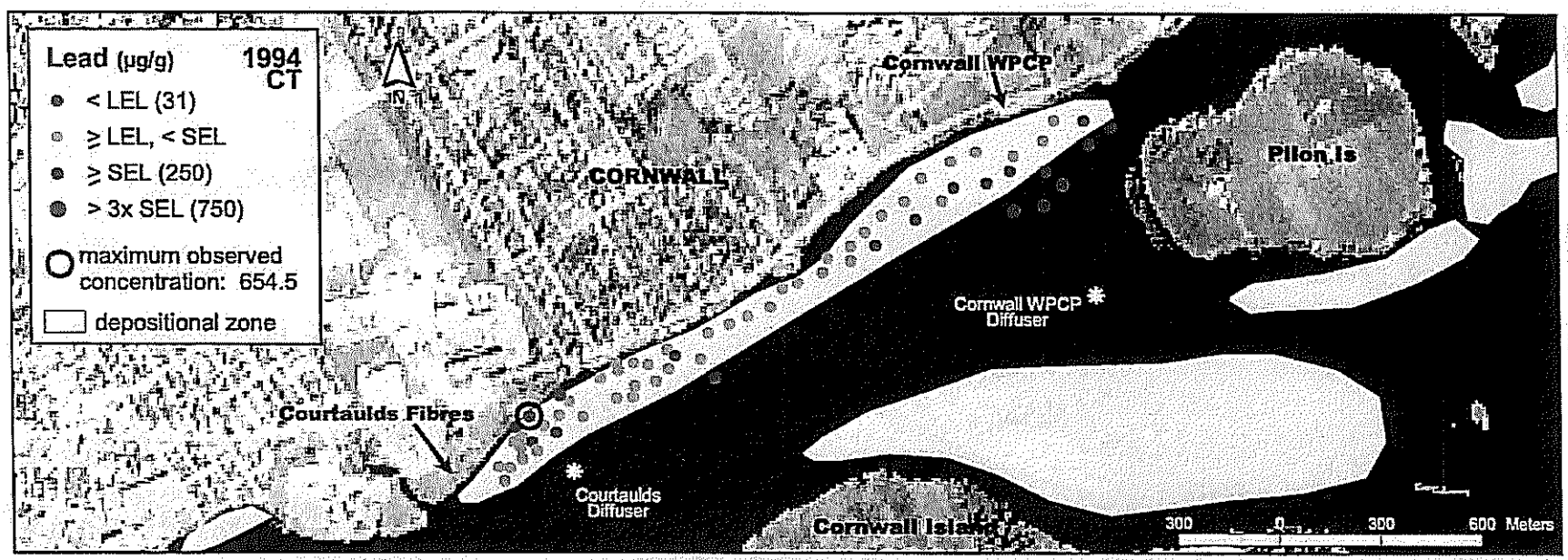

Figure 51. Lead in bottom sediment (top of 10 cm core), 1994 (Richman 1996). CT=core top.

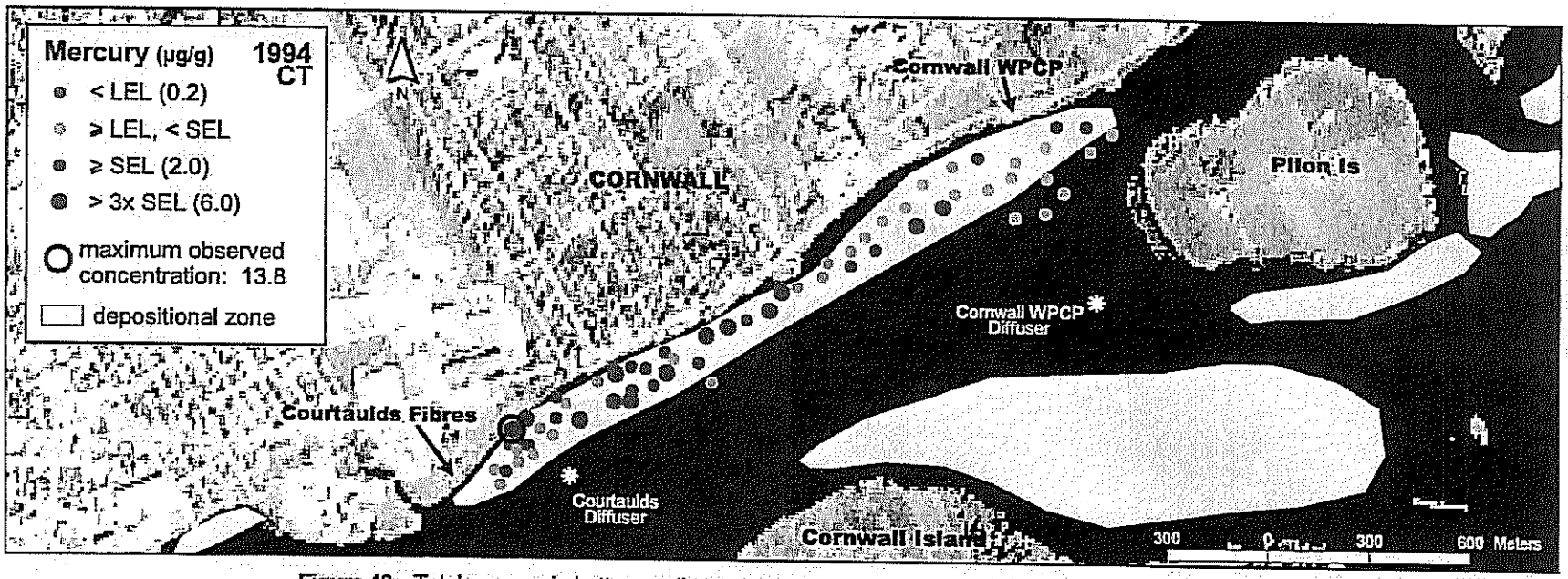

Figure 48. Total mercury in bottom sediment (top 10 cm of core), 1994 (Richman 1996). CT=core top.

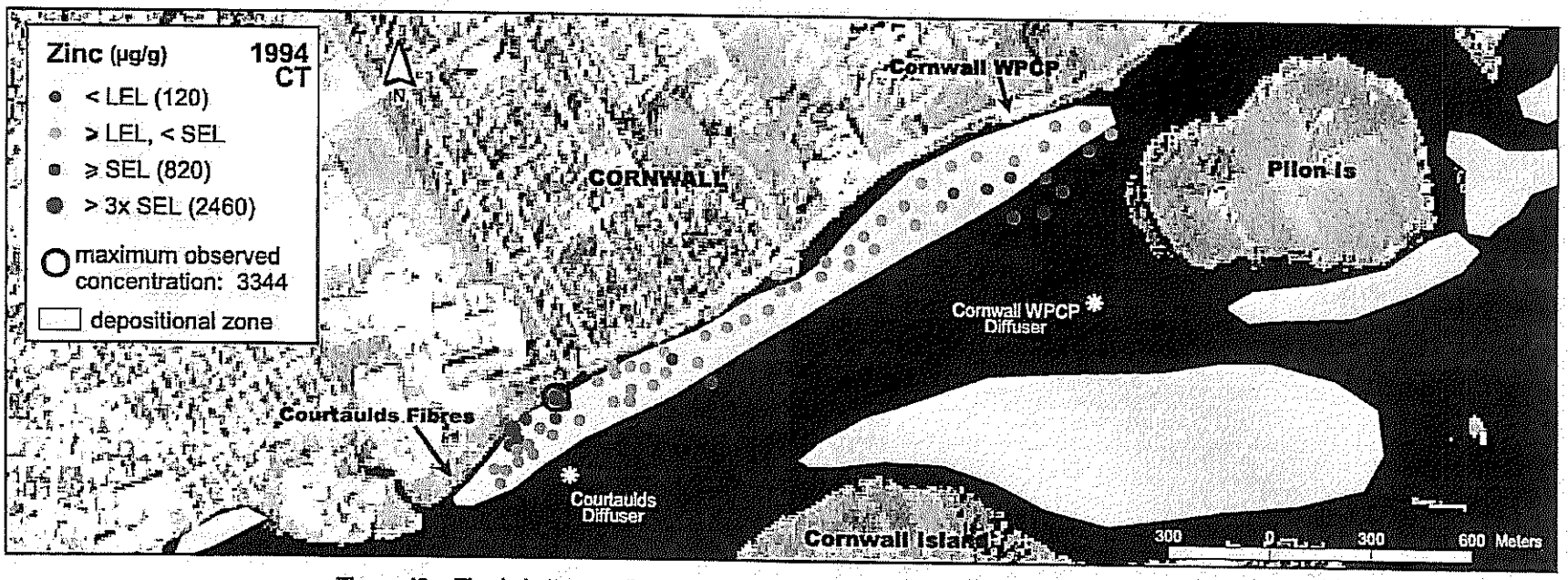

Figure 49. Zinc in bottom sediment (top 10 cm of core), 1994 (Richman 1996). CT=core top.

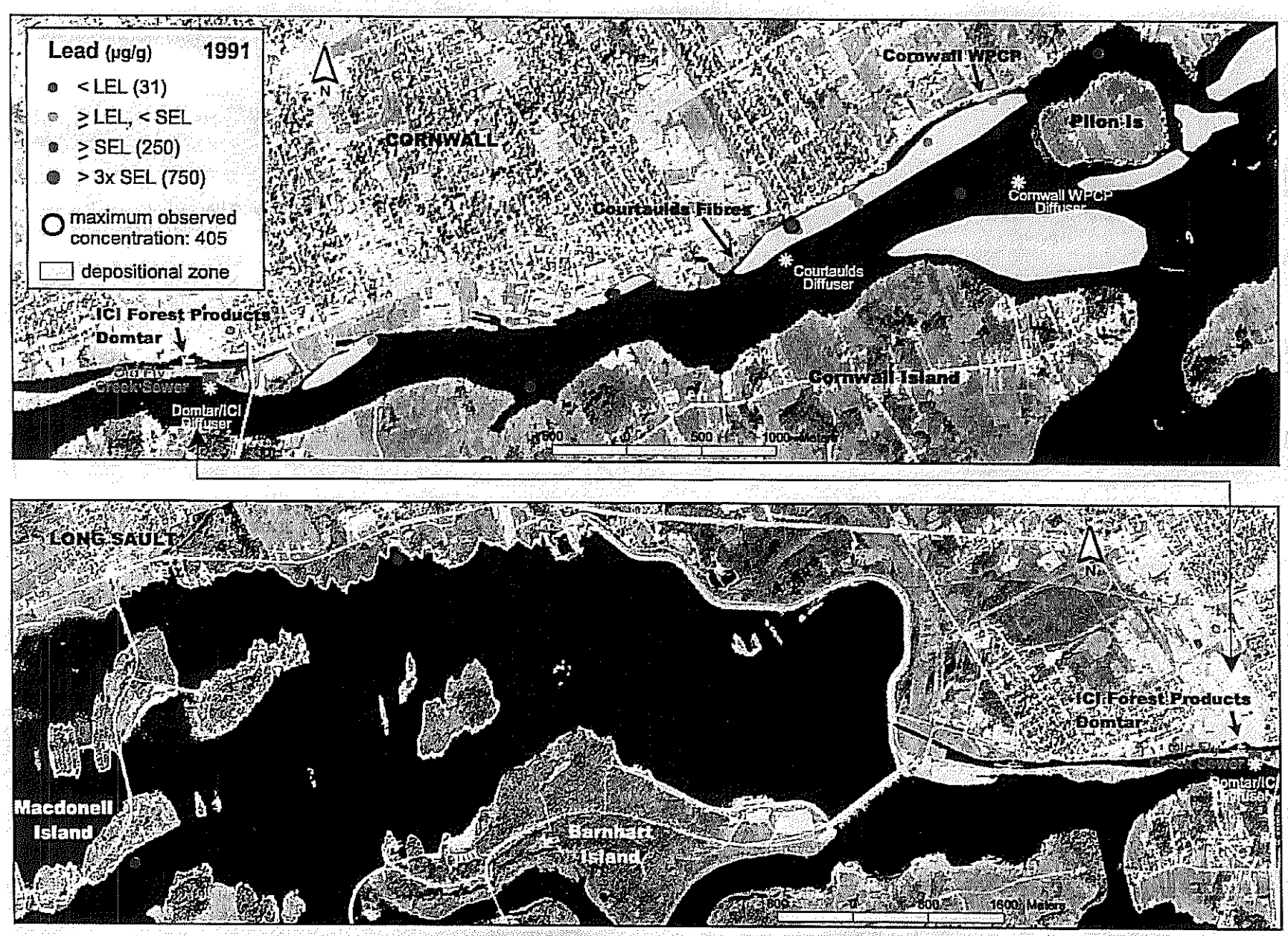

Figure 47. Lead in bottom sediment (surface grab sample), 1991 (Richman 1994). Sampling station locations are approximate. Downstream stations shown above; upstream reference stations shown below.

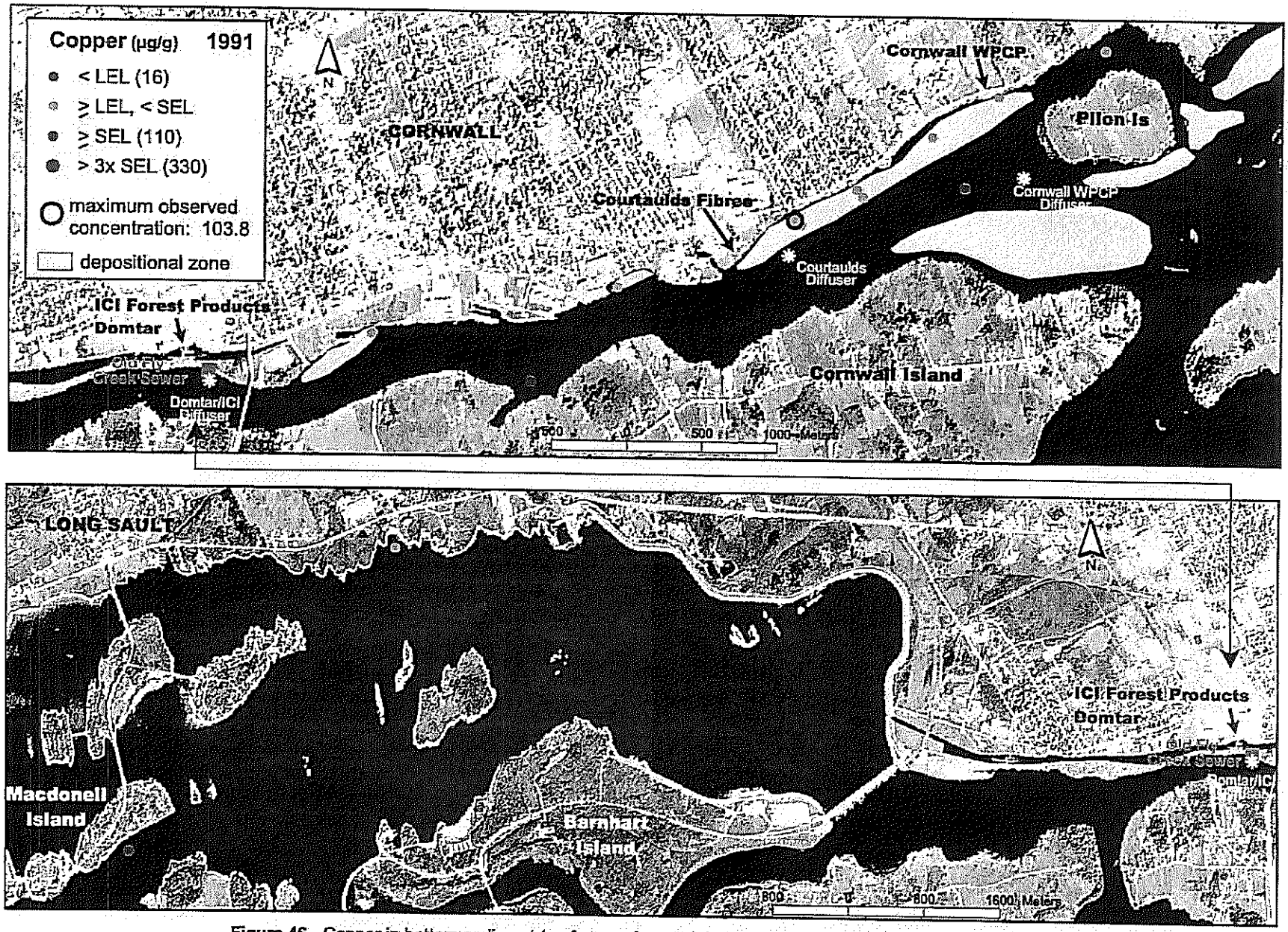

Figure 46. Copper in bottom sediment (surface grab sample), 1991 (Richman 1994). Sampling station locations are approximate. Downstream stations shown above; upstream reference stations shown below.

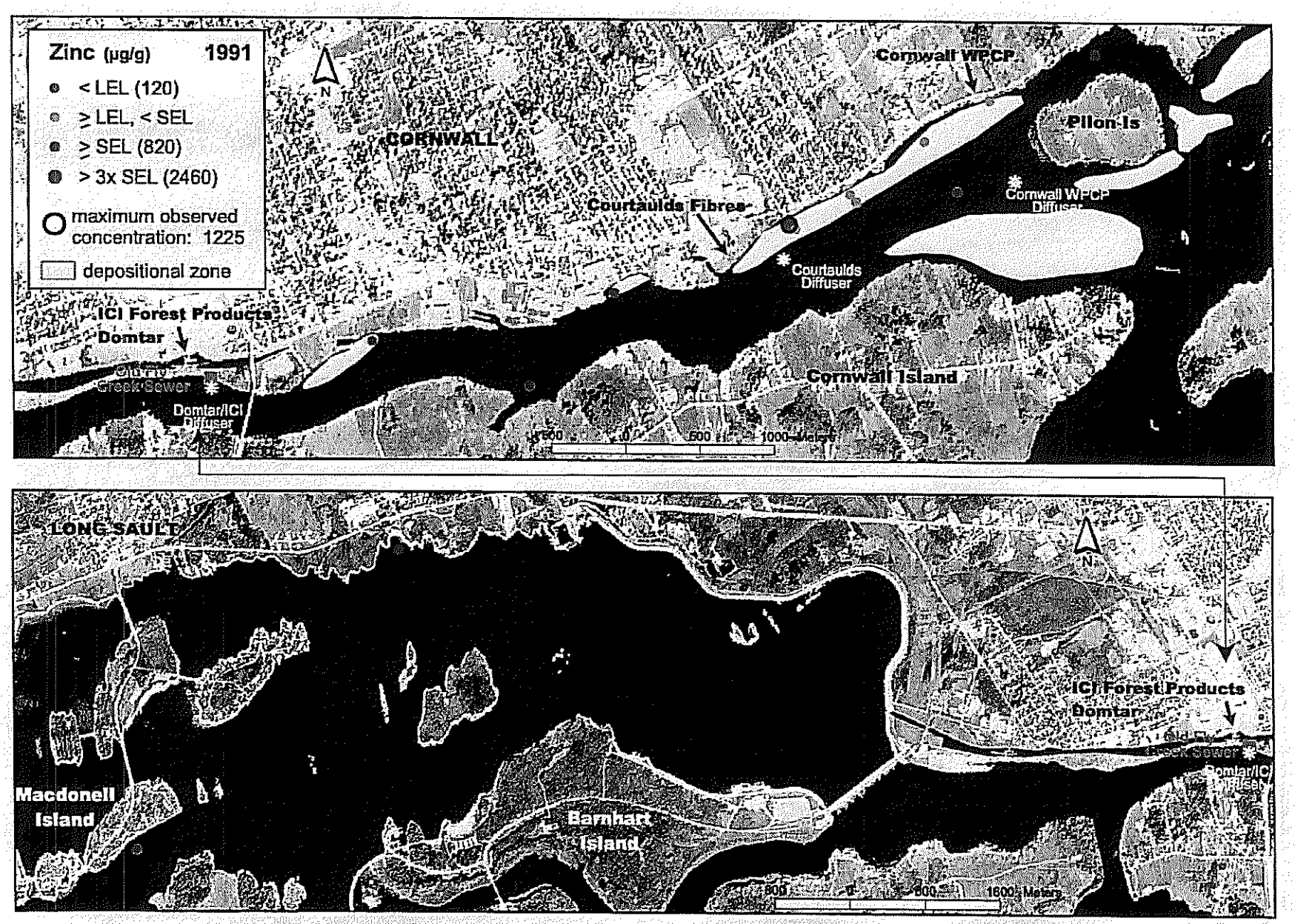

Figure 45. Zinc in bottom sediment (surface grab sample), 1991 (Richman 1994). Sampling station locations are approximate. Downstream stations shown above; upstream reference stations shown below.

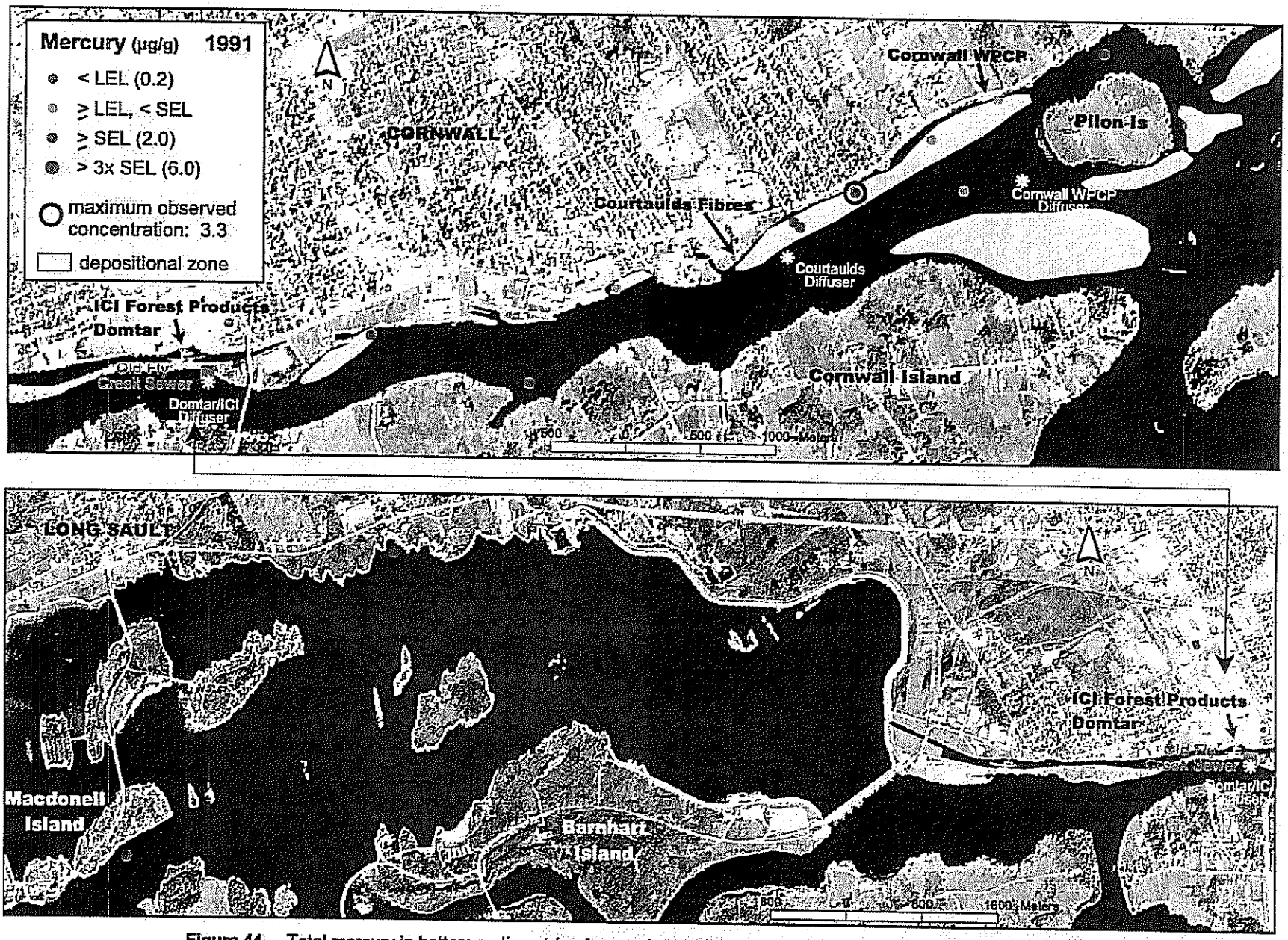

Figure 44. Total mercury in bottom sediment (surface grab sample), 1991 (Richman 1994). Sampling station locations are approximate. Downstream stations shown above; upstream reference stations shown below.

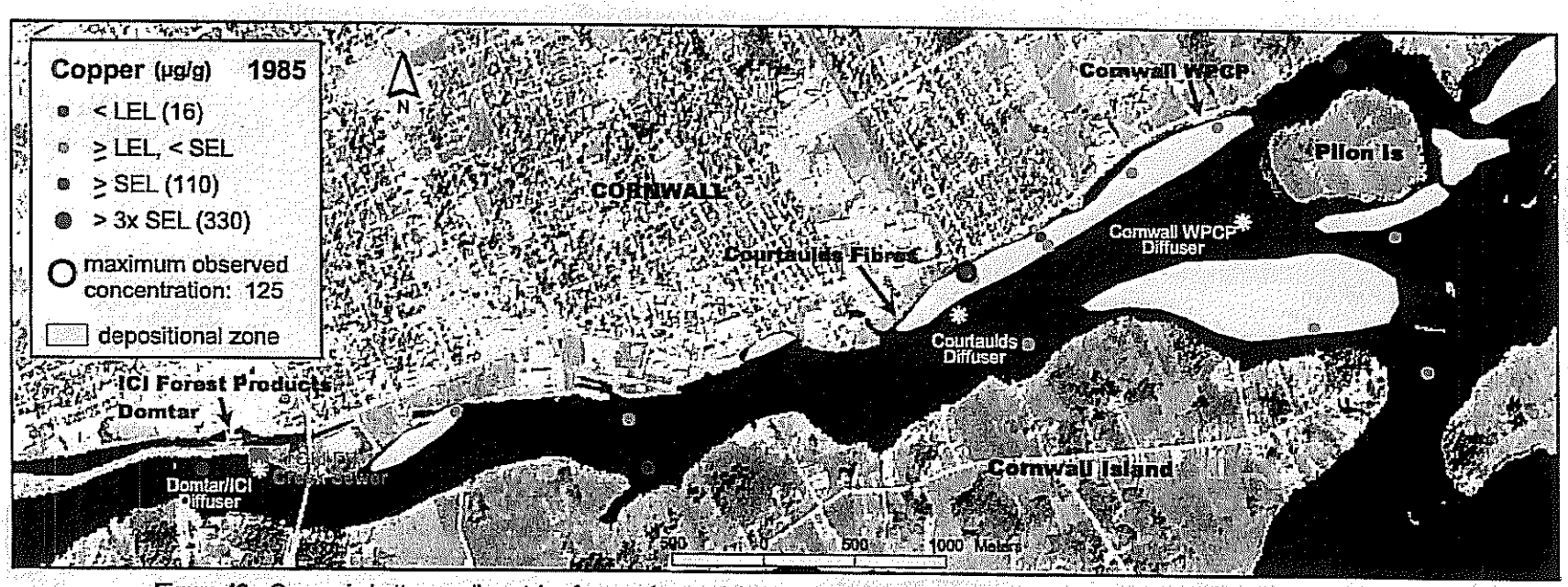

Figure 42. Copper in bottom sediment (surface grab sample), 1985 (Anderson 1990). Sampling station locations are approximate.

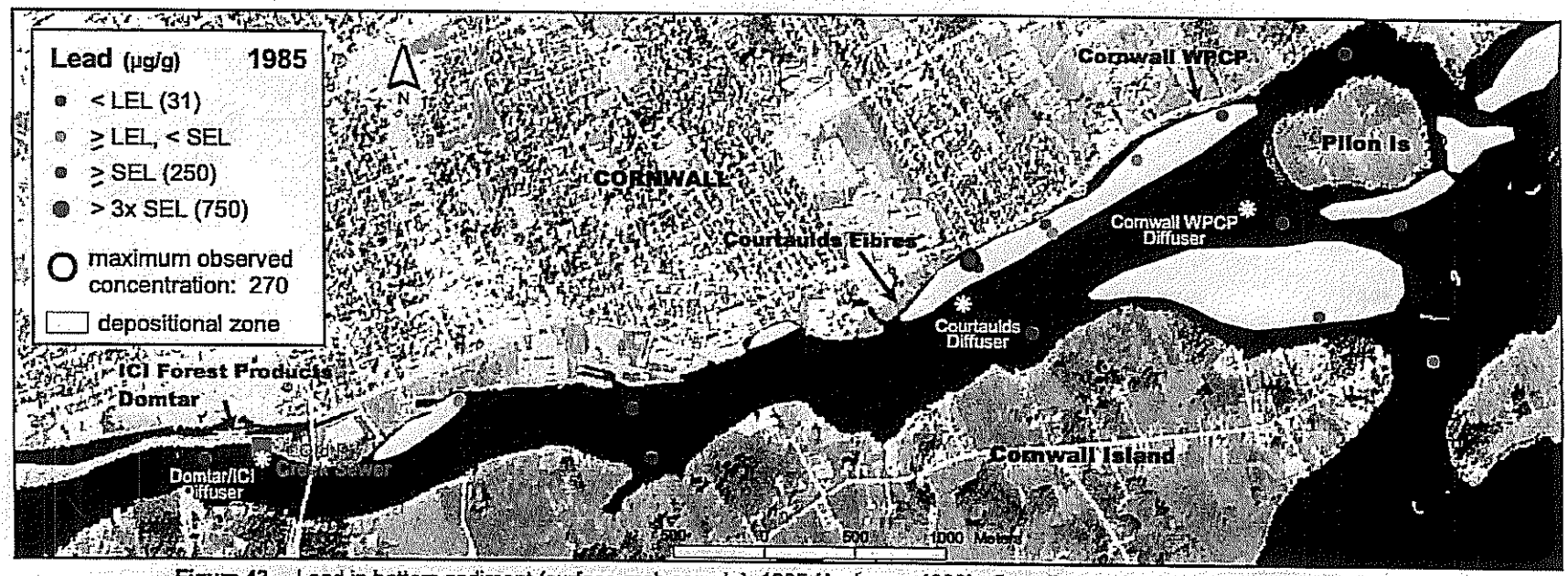

Figure 43. Lead in bottom sediment (surface grab sample), 1985 (Anderson 1990). Sampling station locations are approximate.

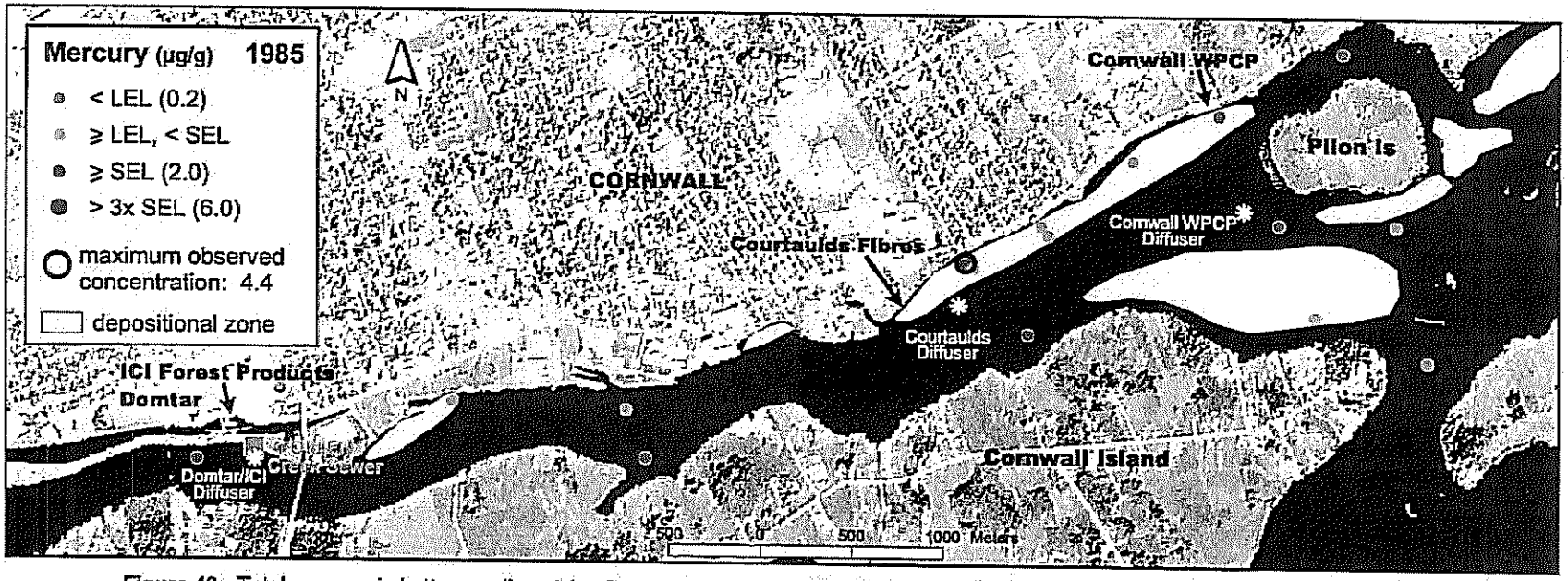

Figure 40. Total mercury in bottom sediment (surface grab sample), 1985 (Anderson 1990). Sampling station locations are approximate.

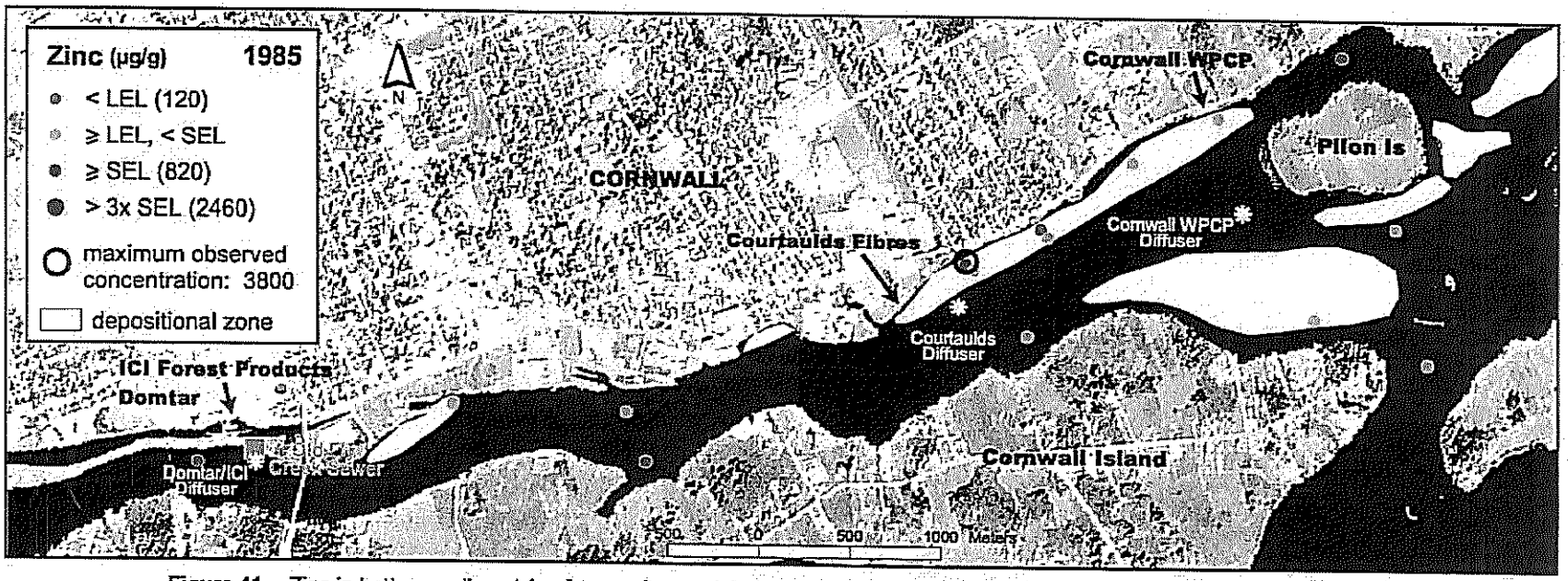

Figure 41. Zinc in bottom sediment (surface grab sample), 1985 (Anderson 1990). Sampling station locations are approximate.

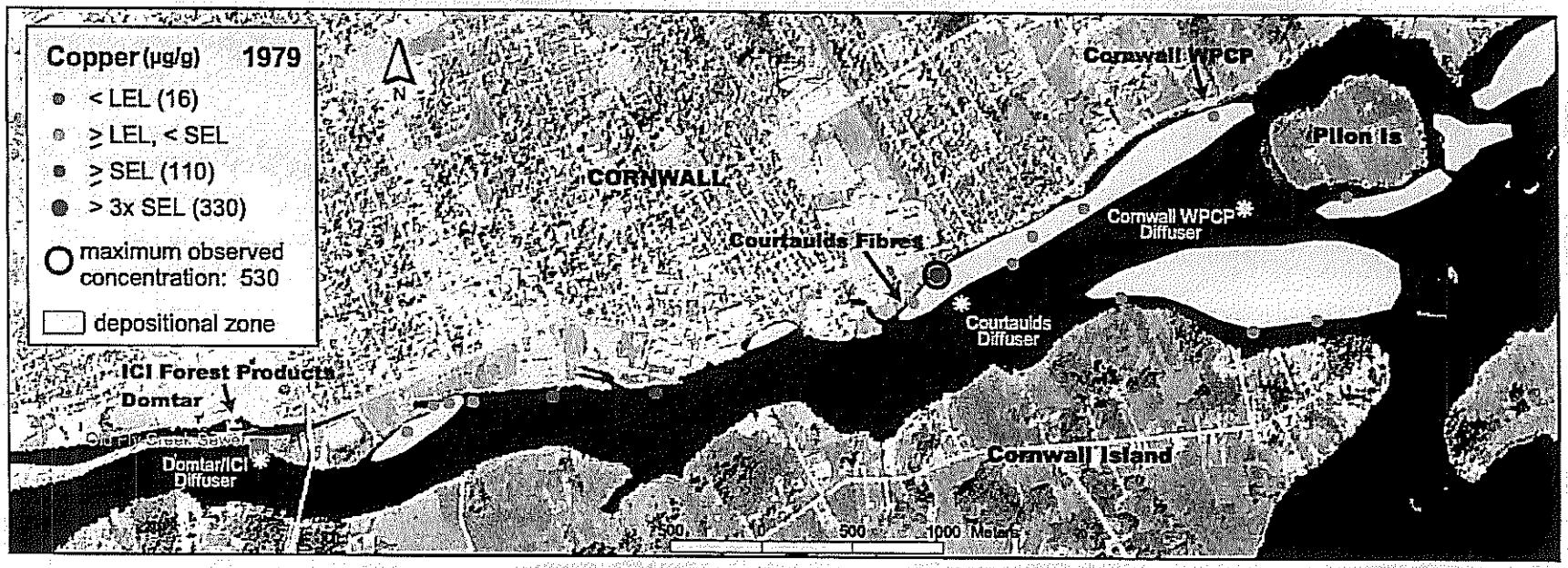

Figure 38. Copper in bottom sediment (surface grab sample), 1979 (Kauss et al. 1988). Sampling station locations are approximate.

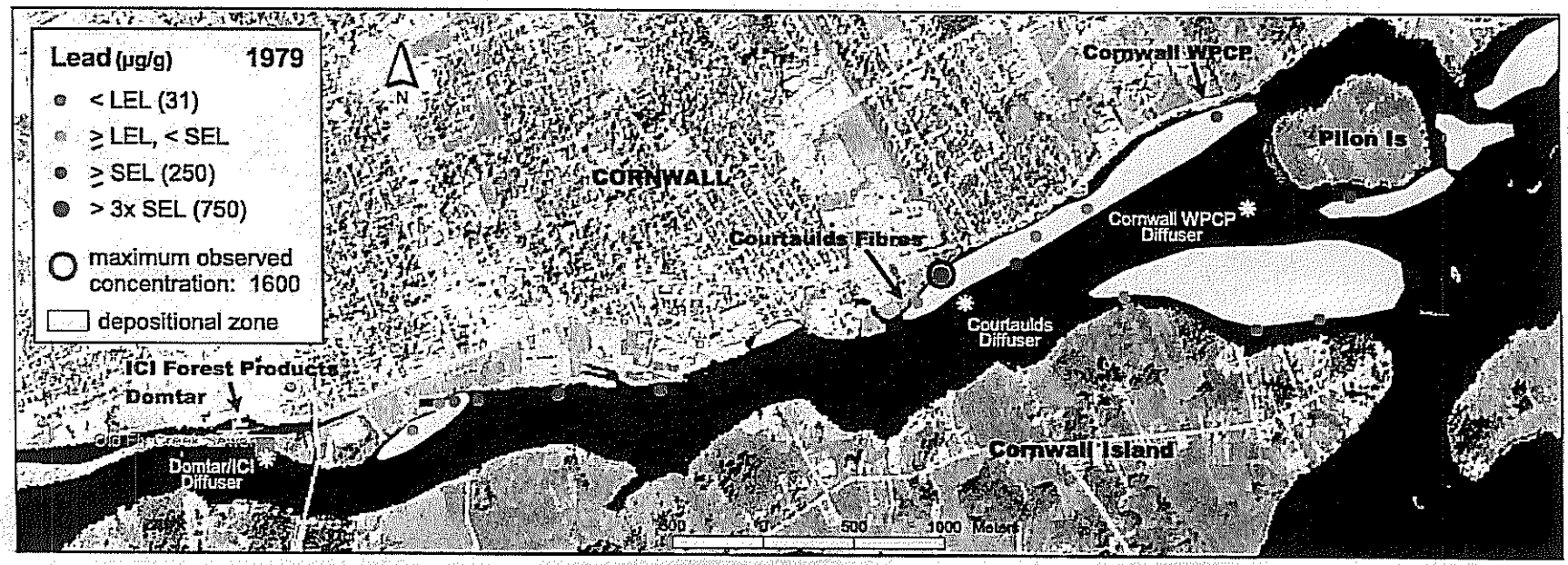

Figure 39. Lead in bottom sediment (surface grab sample), 1979 (Kauss et al. 1988). Sampling station locations are approximate.

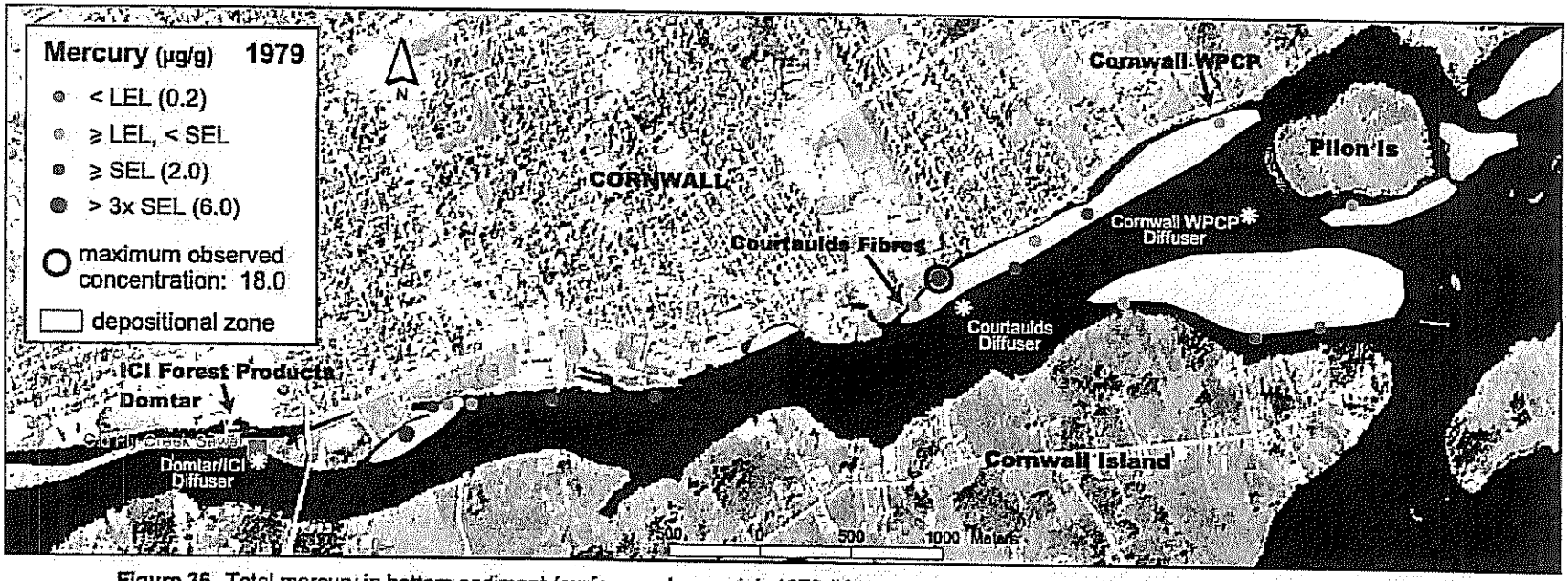

Figure 36. Total mercury in bottom sediment (surface grab sample), 1979 (Kauss et al. 1988). Sampling station locations are approximate.

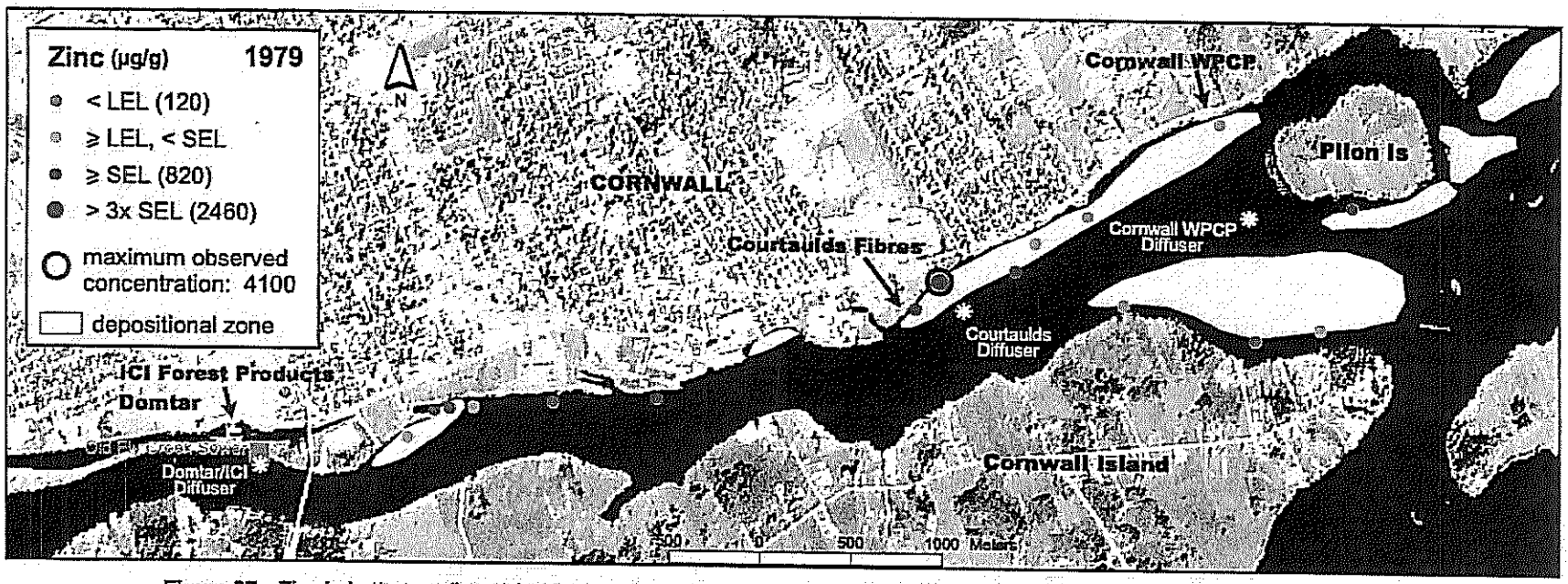

Figure 37. Zinc in bottom sediment (surface grab sample), 1979 (Kauss et al. 1988). Sampling station locations are approximate.

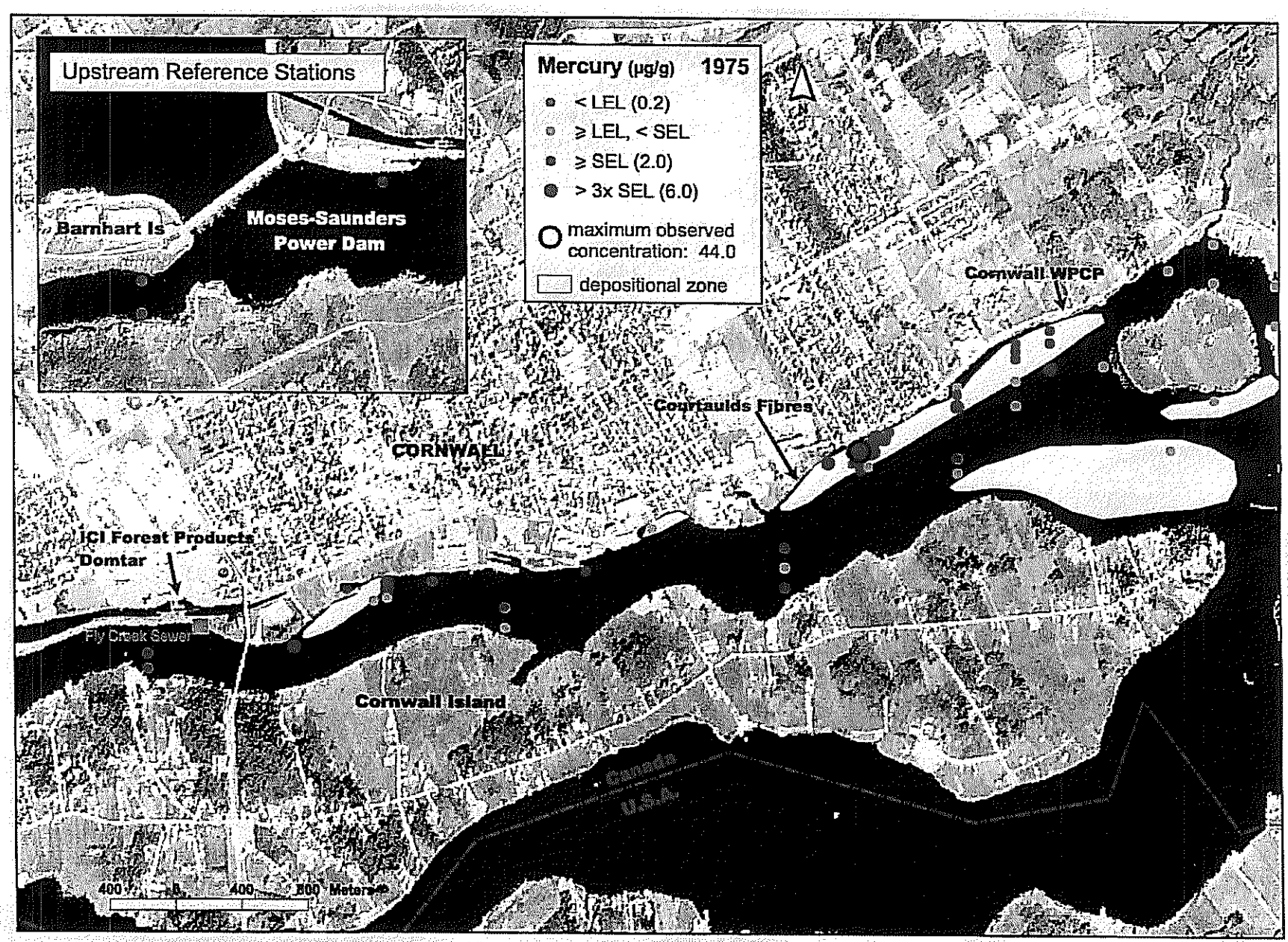

Figure 35. Total mercury in bottom sediment (surface grab sample), 1975 (MOE 1979). Sampling station locations are approximate.

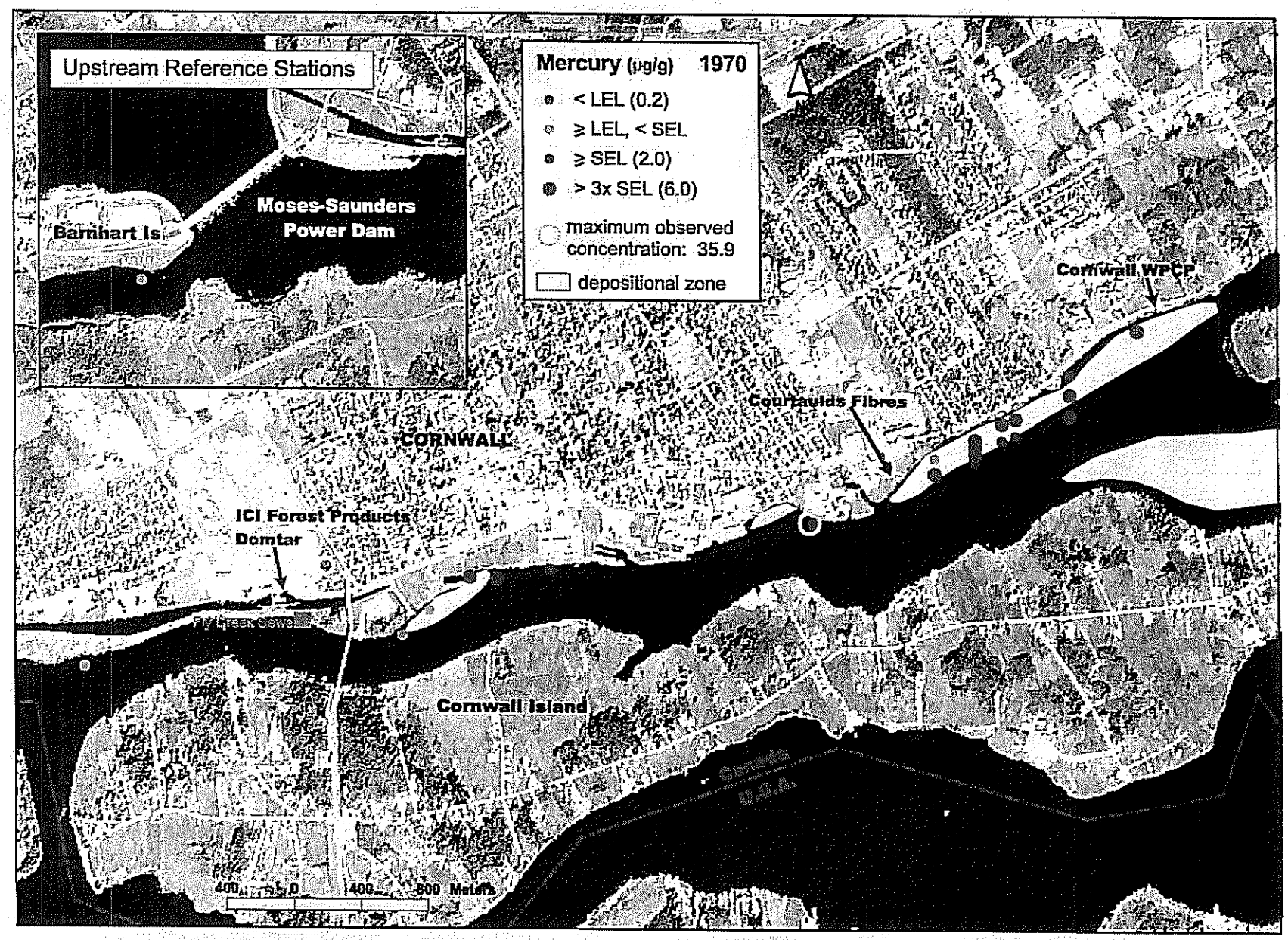

Figure 34. Total mercury in bottom sediment (surface grab sample), 1970 (MOE 1979). Sampling station locations are approximate.

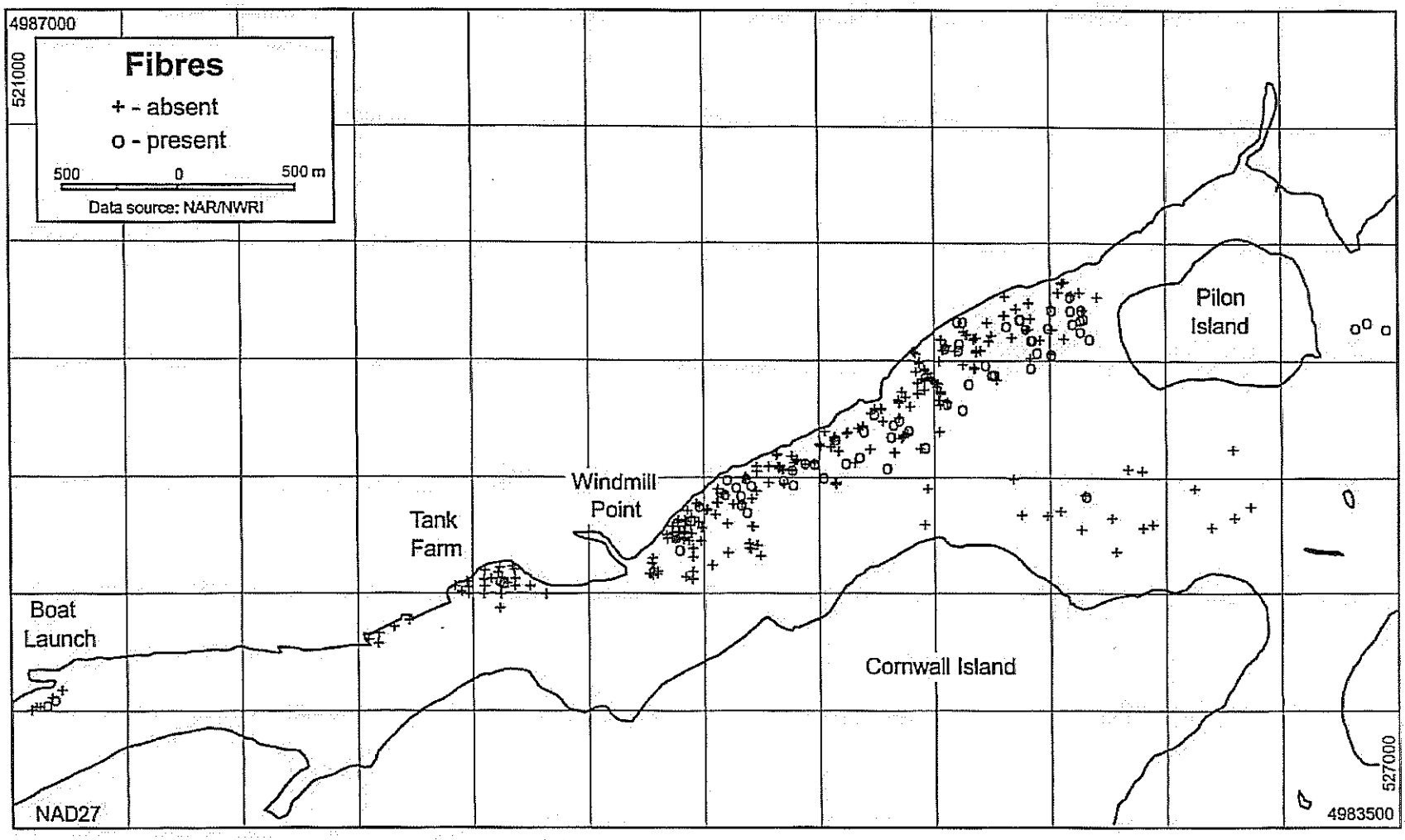

Figure 33. Occurrence of fibres. Source: Rukavina (2000).

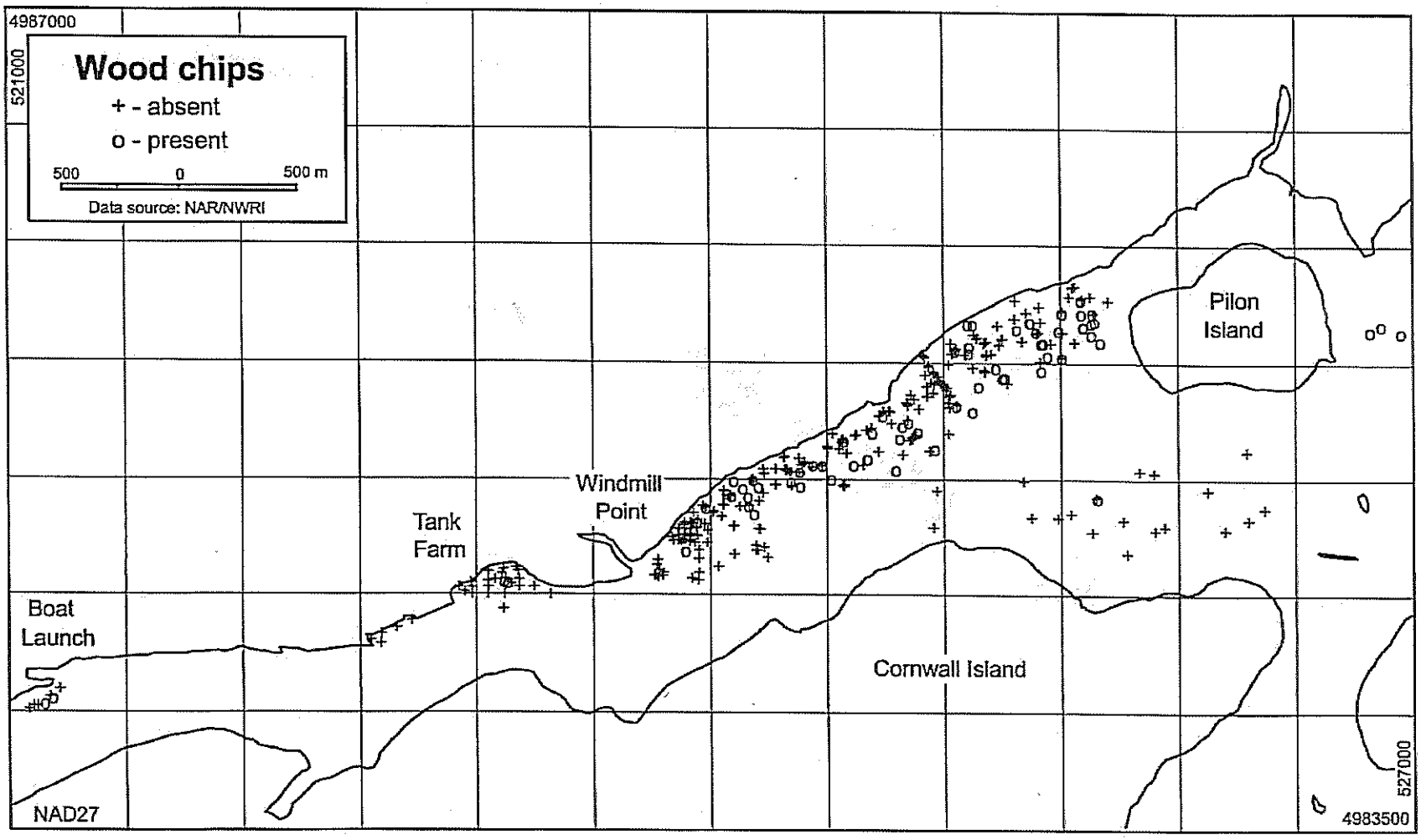

Figure 32. Occurrence of wood chips. Source: Rukavina (2000).

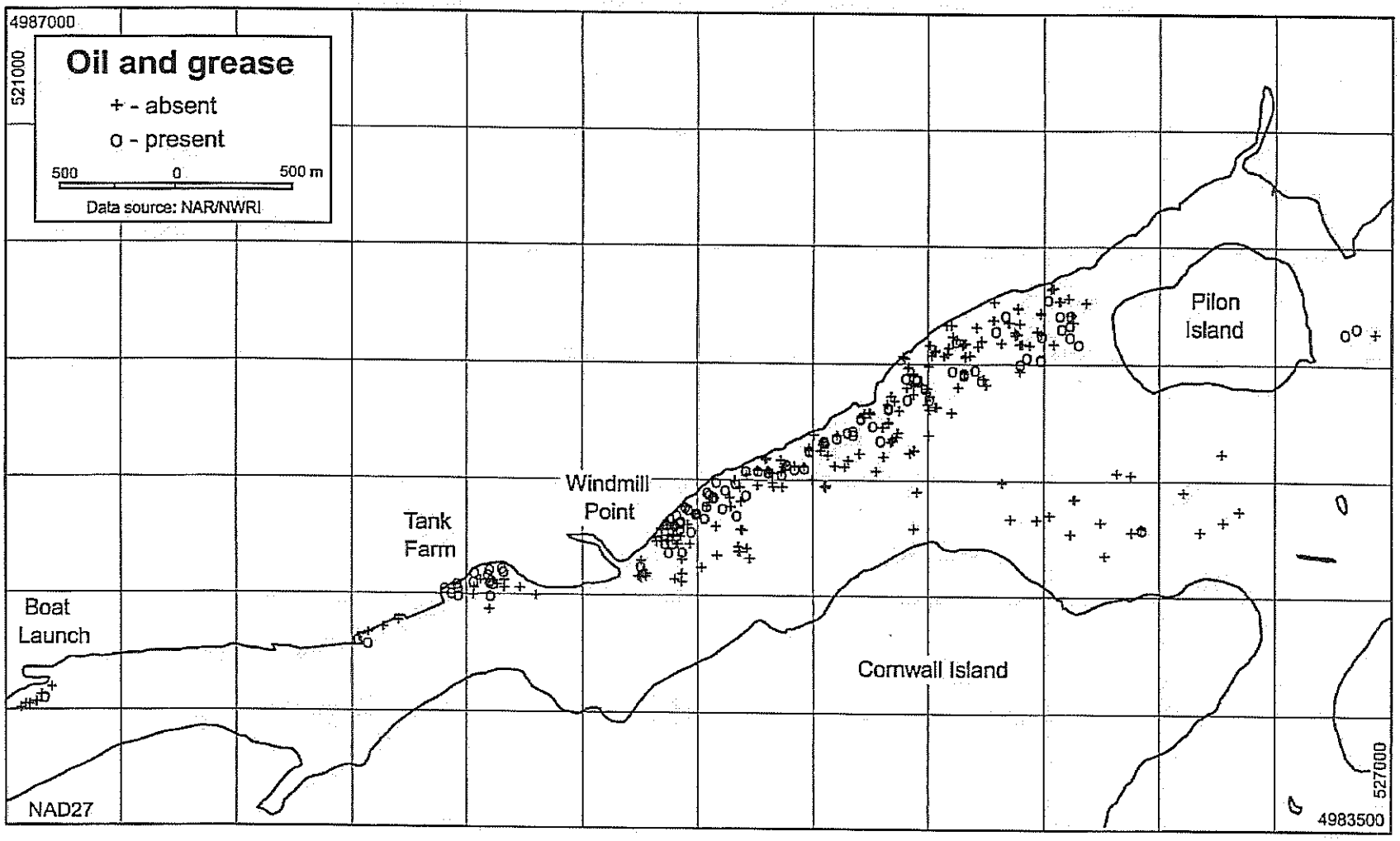

Figure 31. Occurrence of oil and grease. Source: Rukavina (2000).

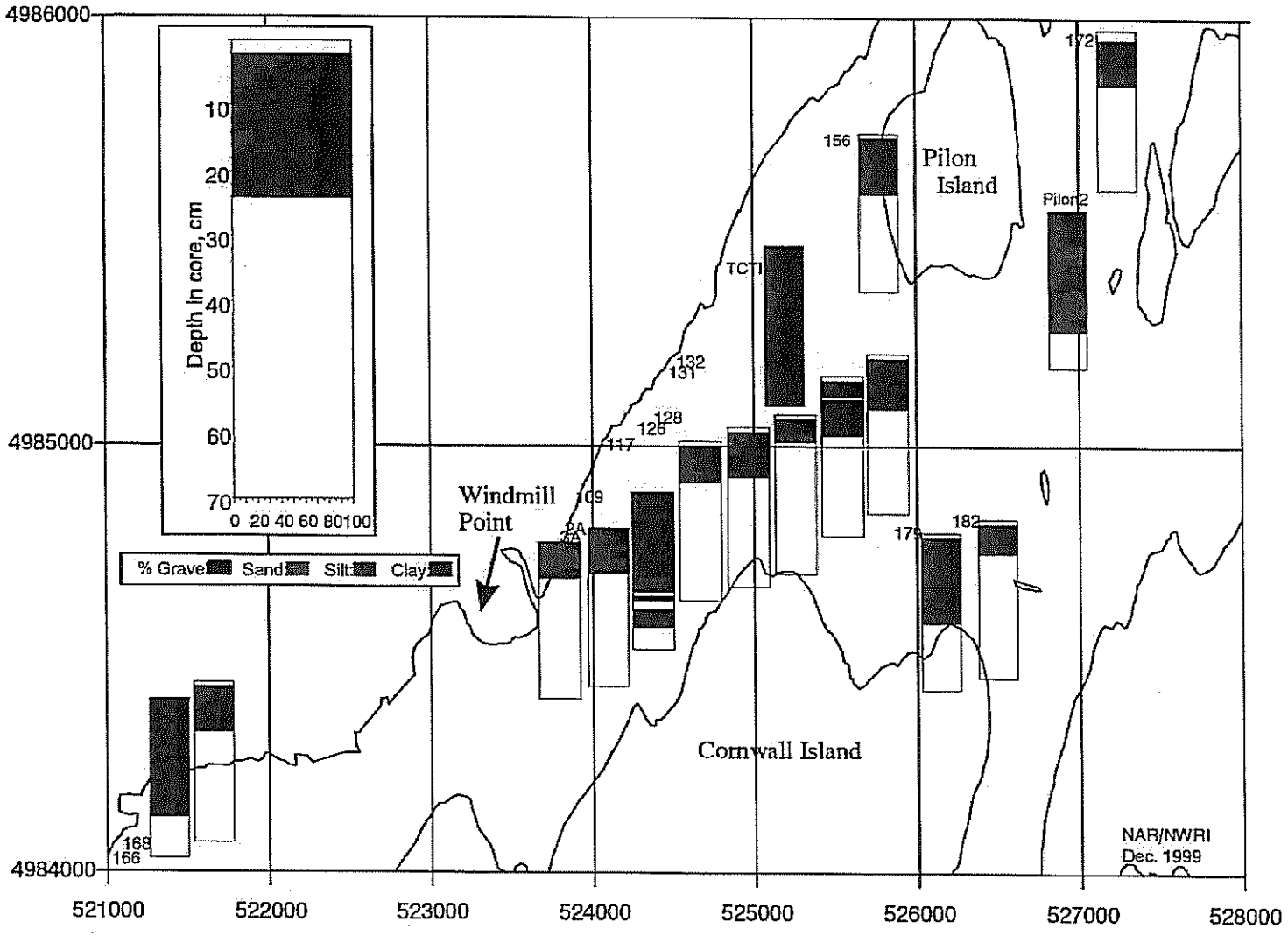

Figure 30. Grain size profiles through 1996/1997 sediment cores. Station numbers and locations shown. Source: Rukavina (2000).

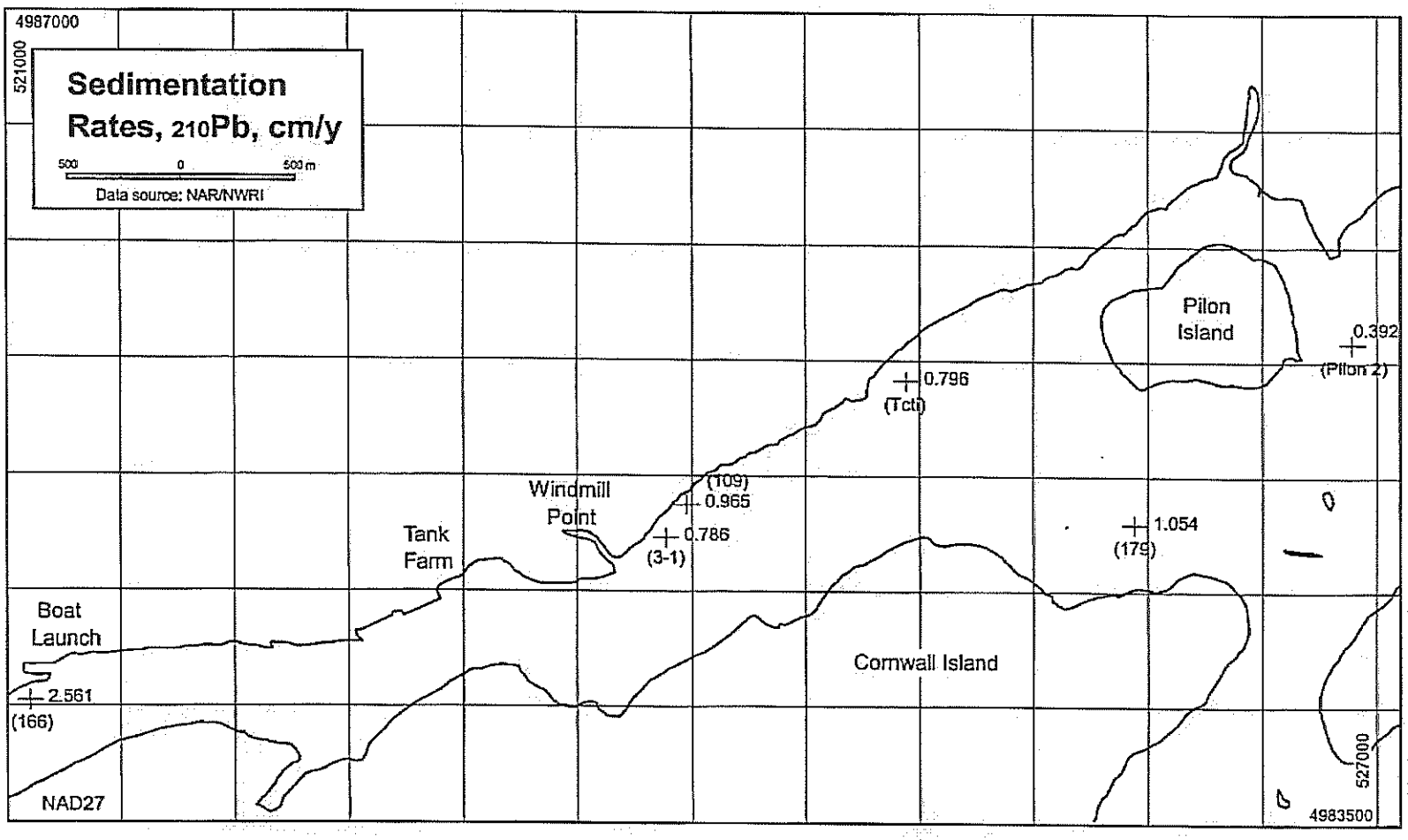

Figure 29. Sedimentation rates, ^{210}Pb dating (cm/y). Station numbers/names are shown in parentheses. Source: Rukavina (2000).

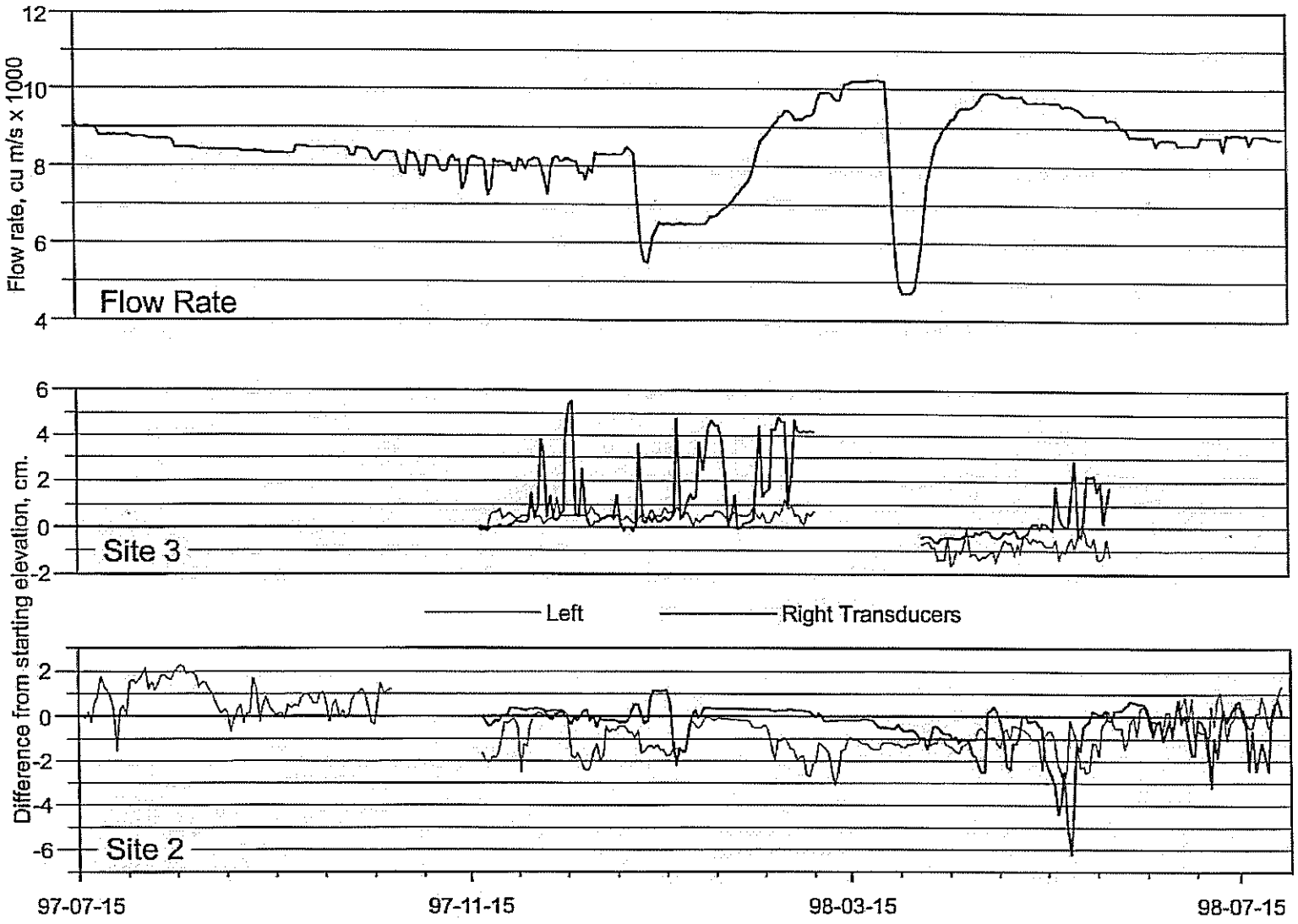

Figure 28. Datalogger records (fixed transducer sites 2 and 3) vs. St. Lawrence River flow rate. Source: Rukavina (2000).

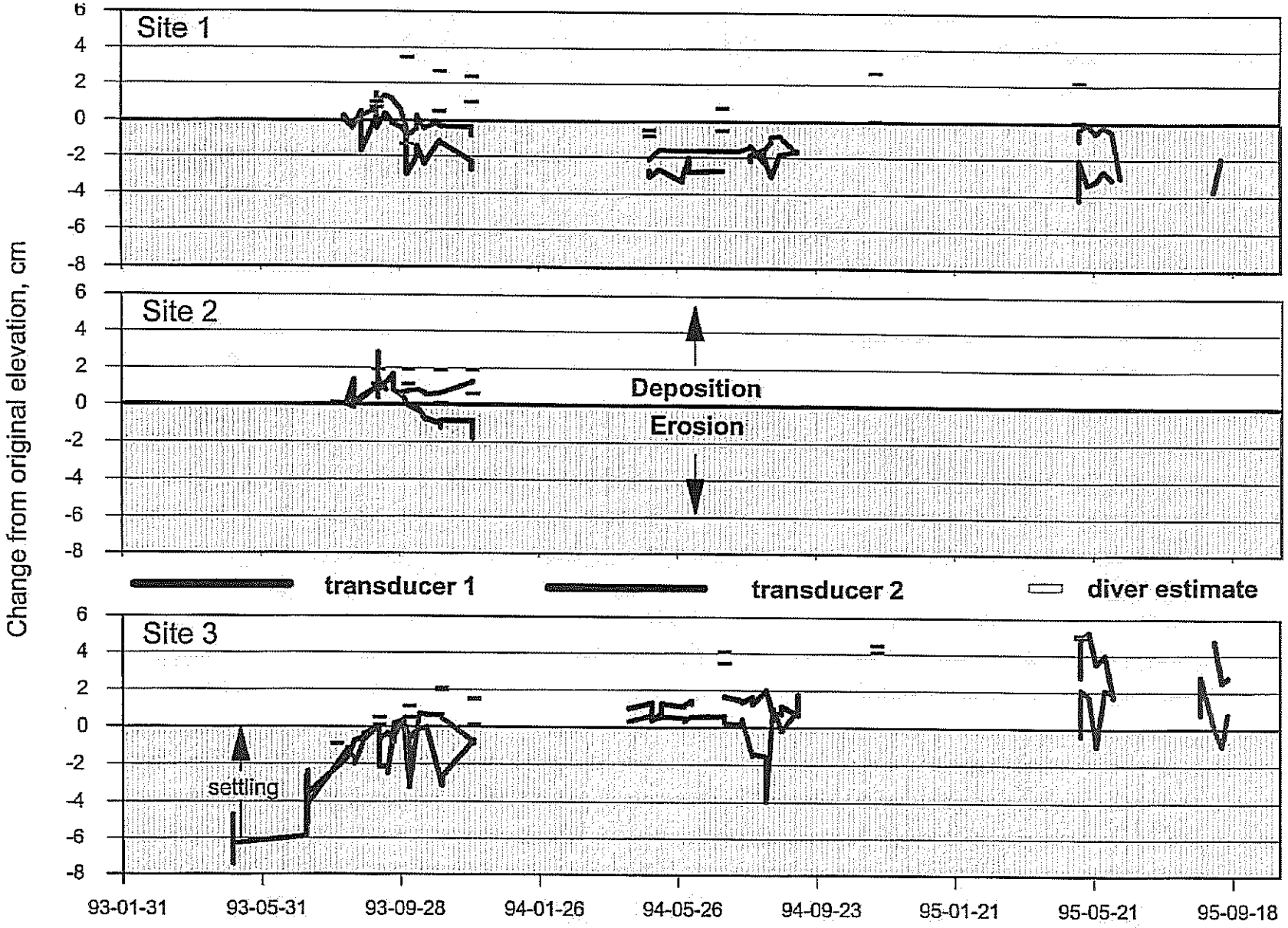

Figure 27. Acoustic data on bottom stability at fixed transducer sites, 1993-1995. Source: Rukavina (2000).

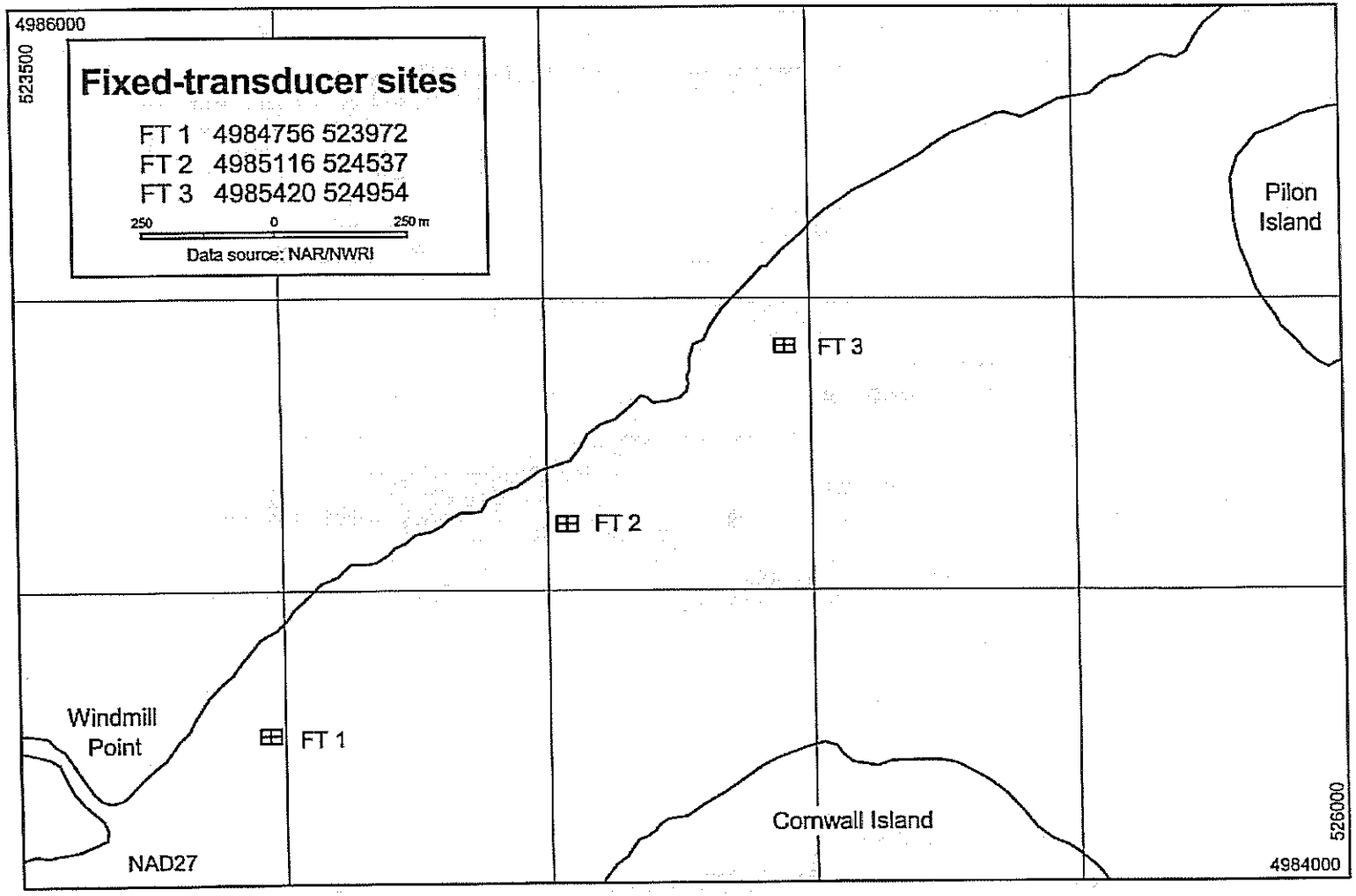

Figure 26. Fixed-trandsucer acoustic monitoring sites. Source: Rukavina (2000).

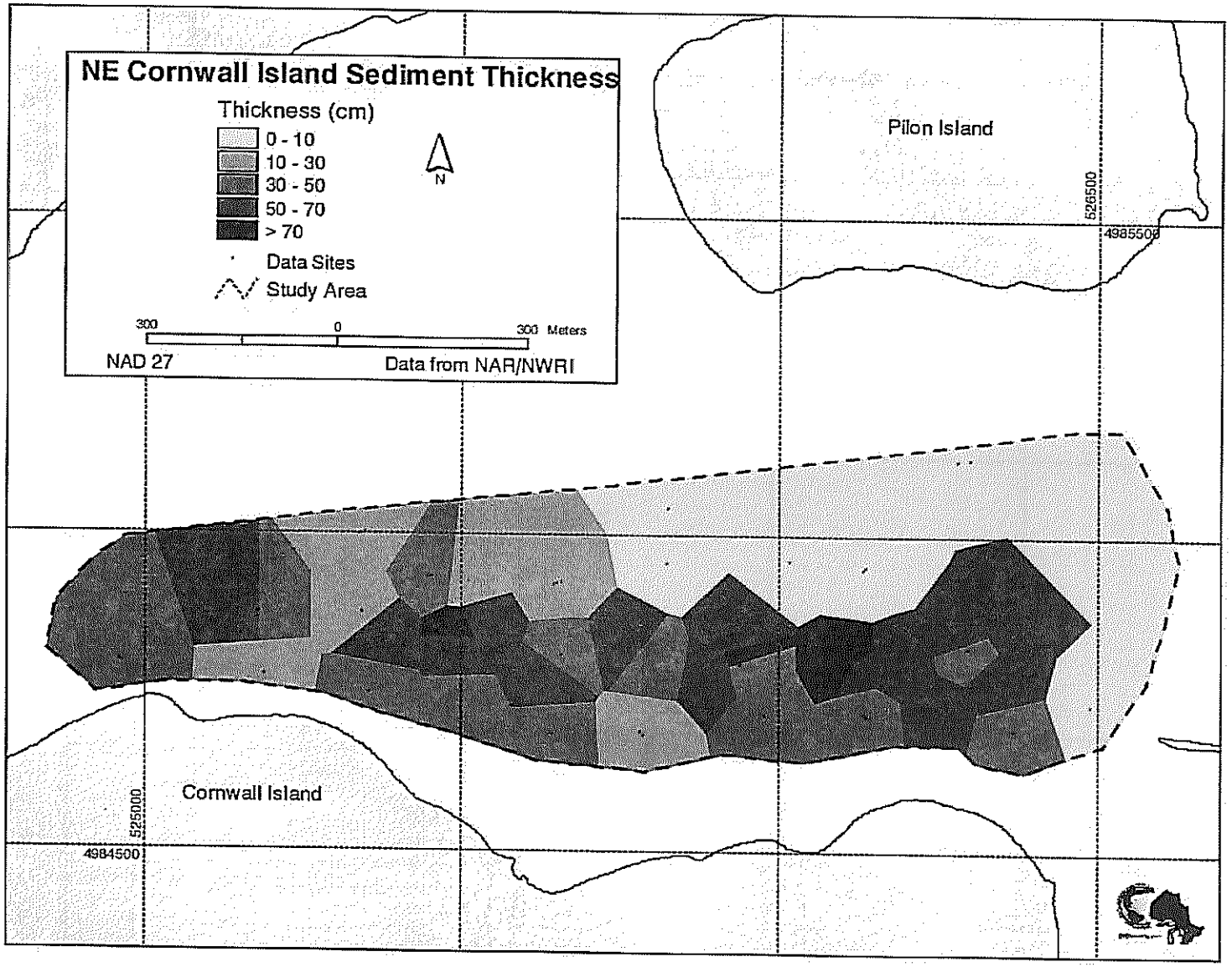

Figure 25. Sediment thickness in Zone 4 (northeast Cornwall Island). Computed by GIS polygon analysis of data from sediment core or grab samples taken at locations indicated by black dots. Source: Rukavina (2000).

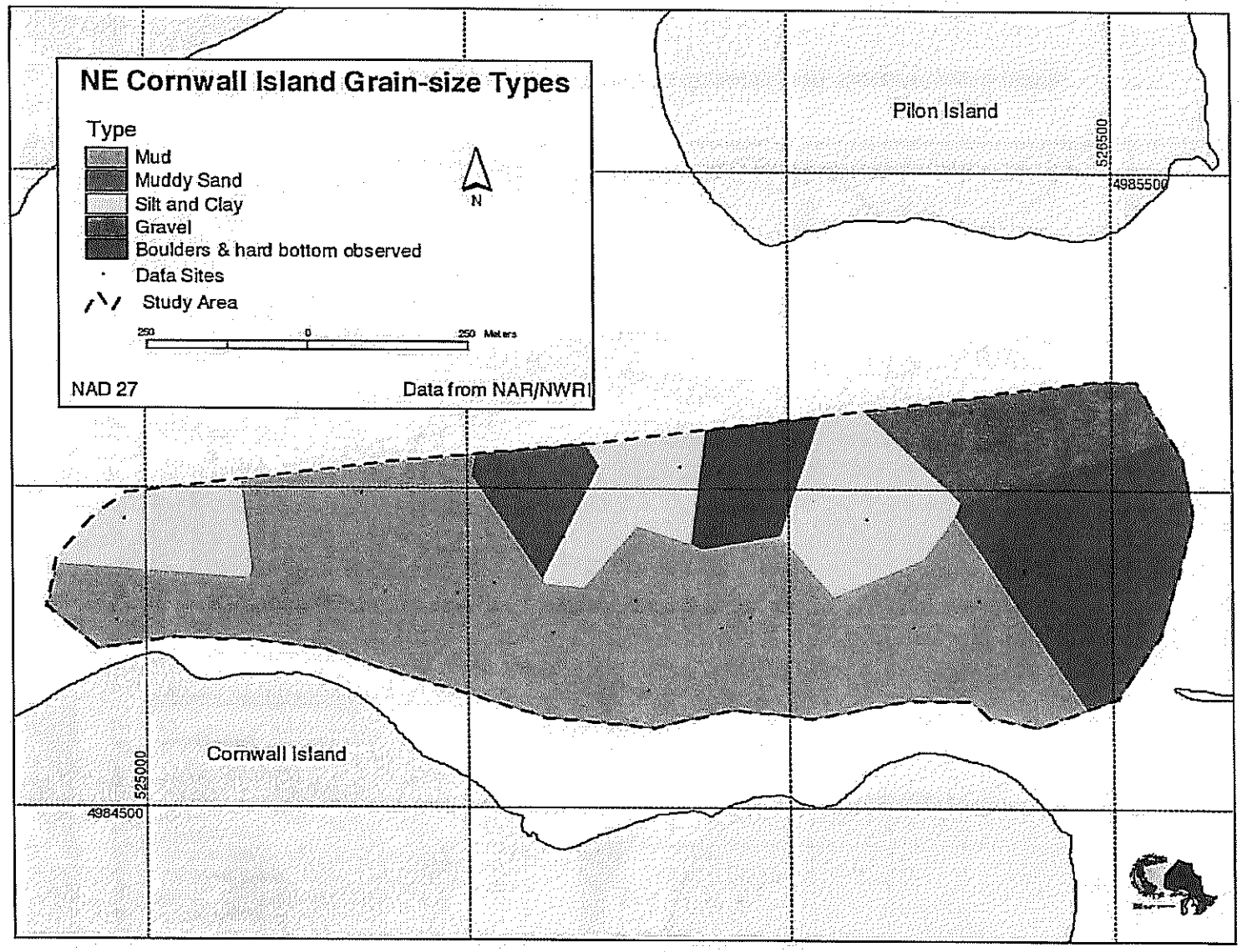

Figure 24. Grain size distribution in Zone 4 (northeast Cornwall Island). Distribution computed by GIS polygon analysis of data from sediment core or grab samples taken at locations indicated by black dots. Source: Rukavina (2000).

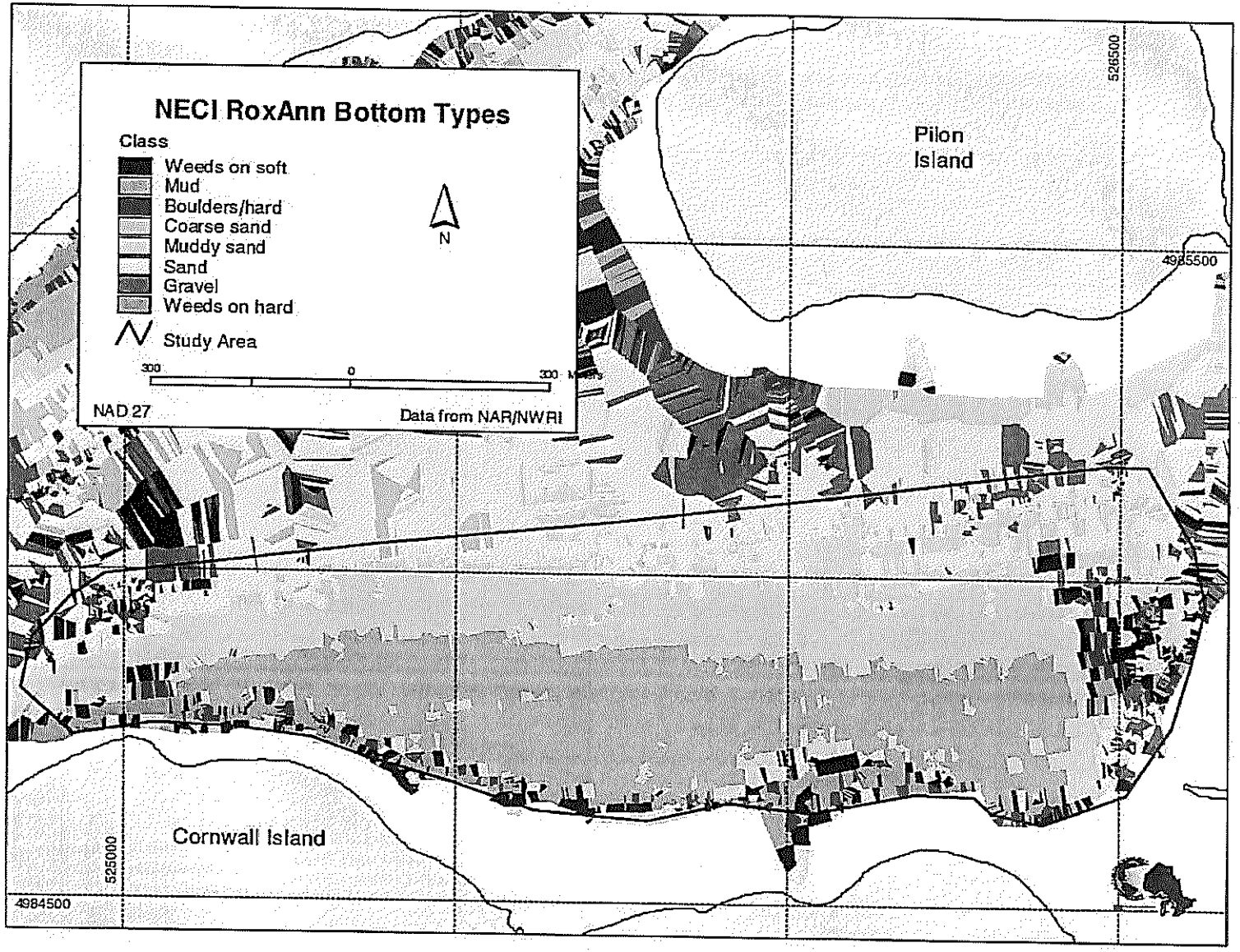

Figure 23. RoxAnn bottom types in Zone 4 (northeast Cornwall Island). Source: Rukavina (2000).

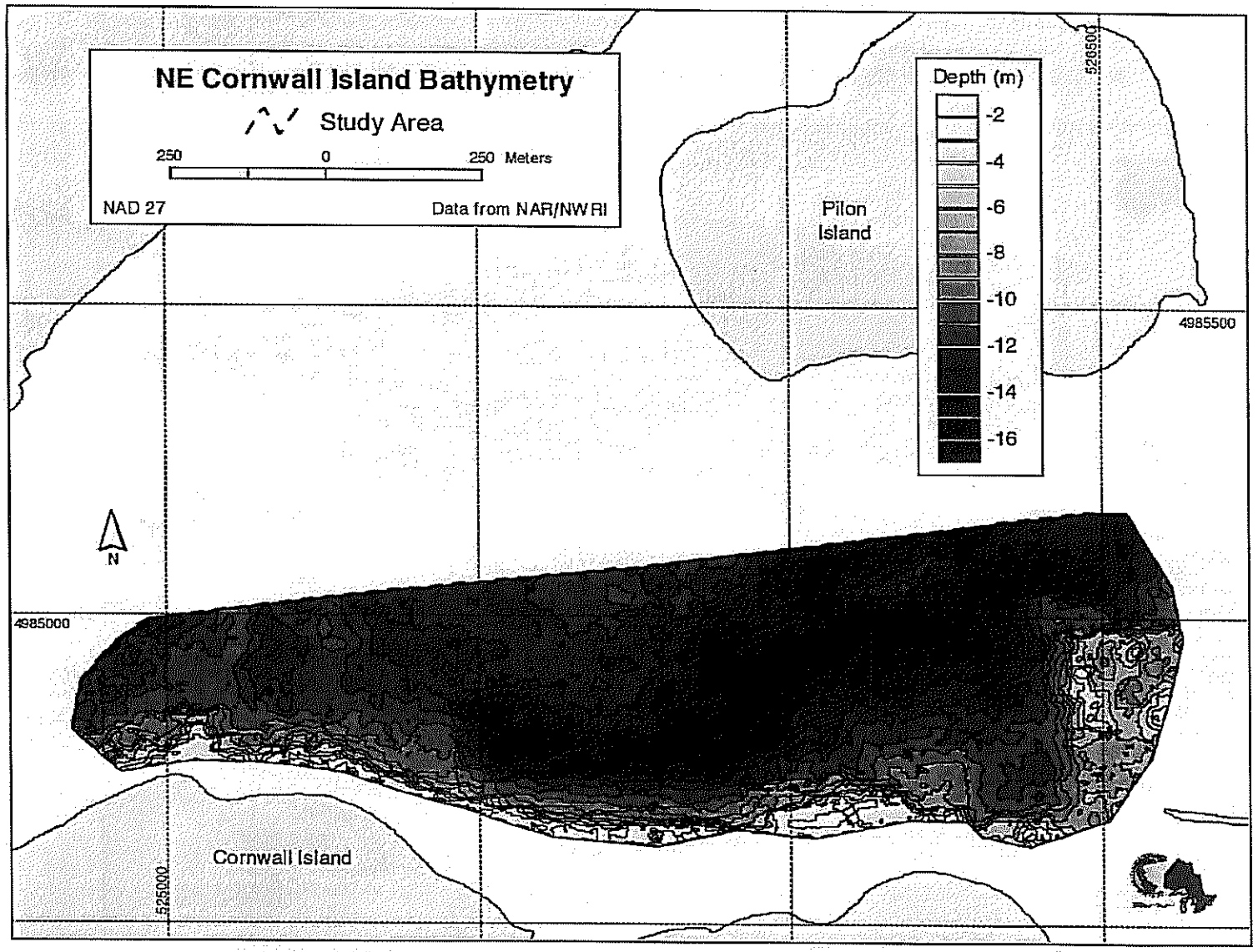

Figure 22. Average bathymetry (water depth) in Zone 4 (northeast Cornwall Island) using 1993-1998 RoxAnn mapping data. Source: Rukavina (2000).

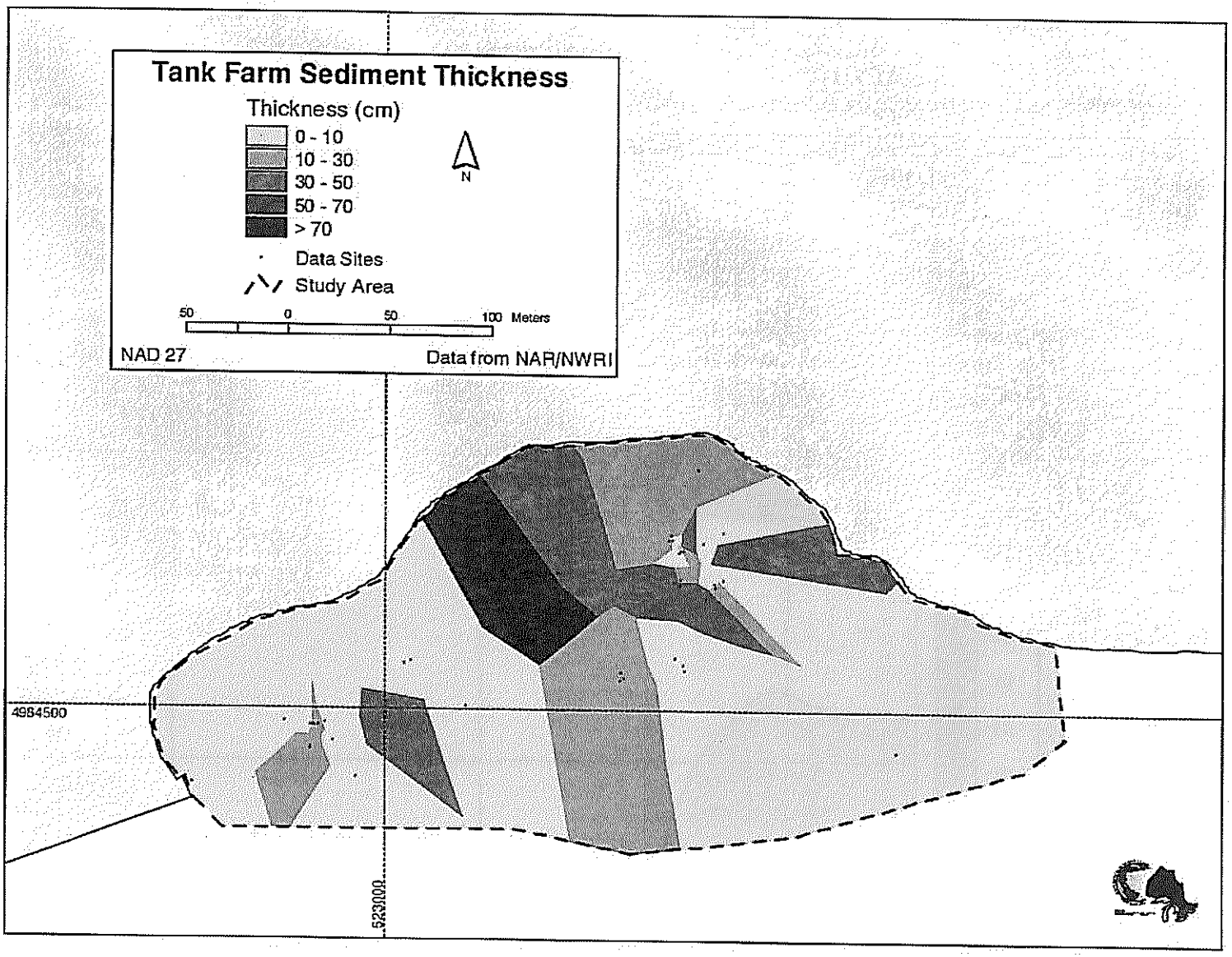

Figure 21. Sediment thickness in Zone 3 (oil tank storage area). Computed by GIS polygon analysis of data from sediment core or grab samples taken at locations indicated by black dots. Source: Rukavina (2000).

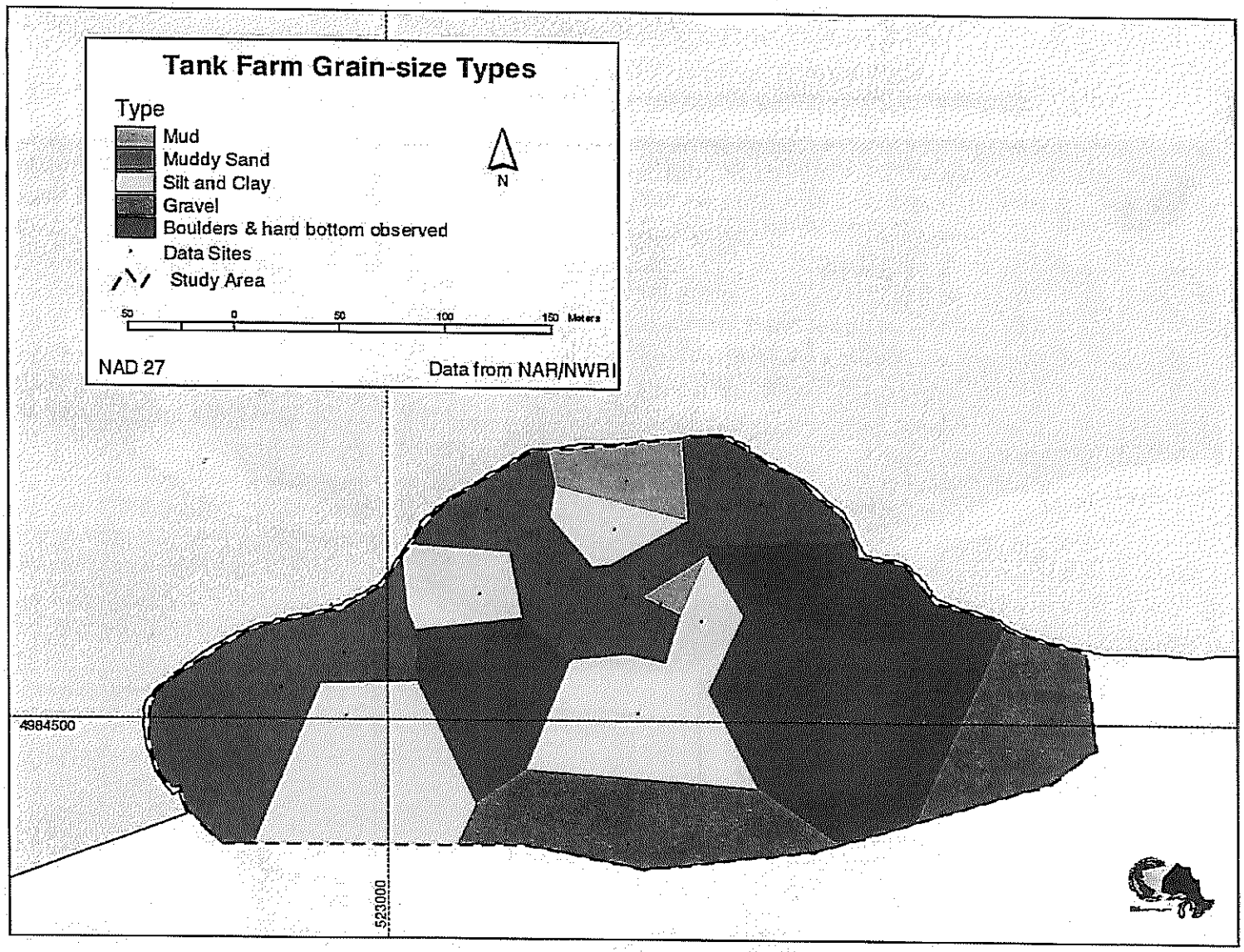

Figure 20. Grain size distribution in Zone 3 (oil tank storage area). Distribution computed by GIS polygon analysis of data from sediment core or grab samples taken at locations indicated by black dots. Source: Rukavina (2000).

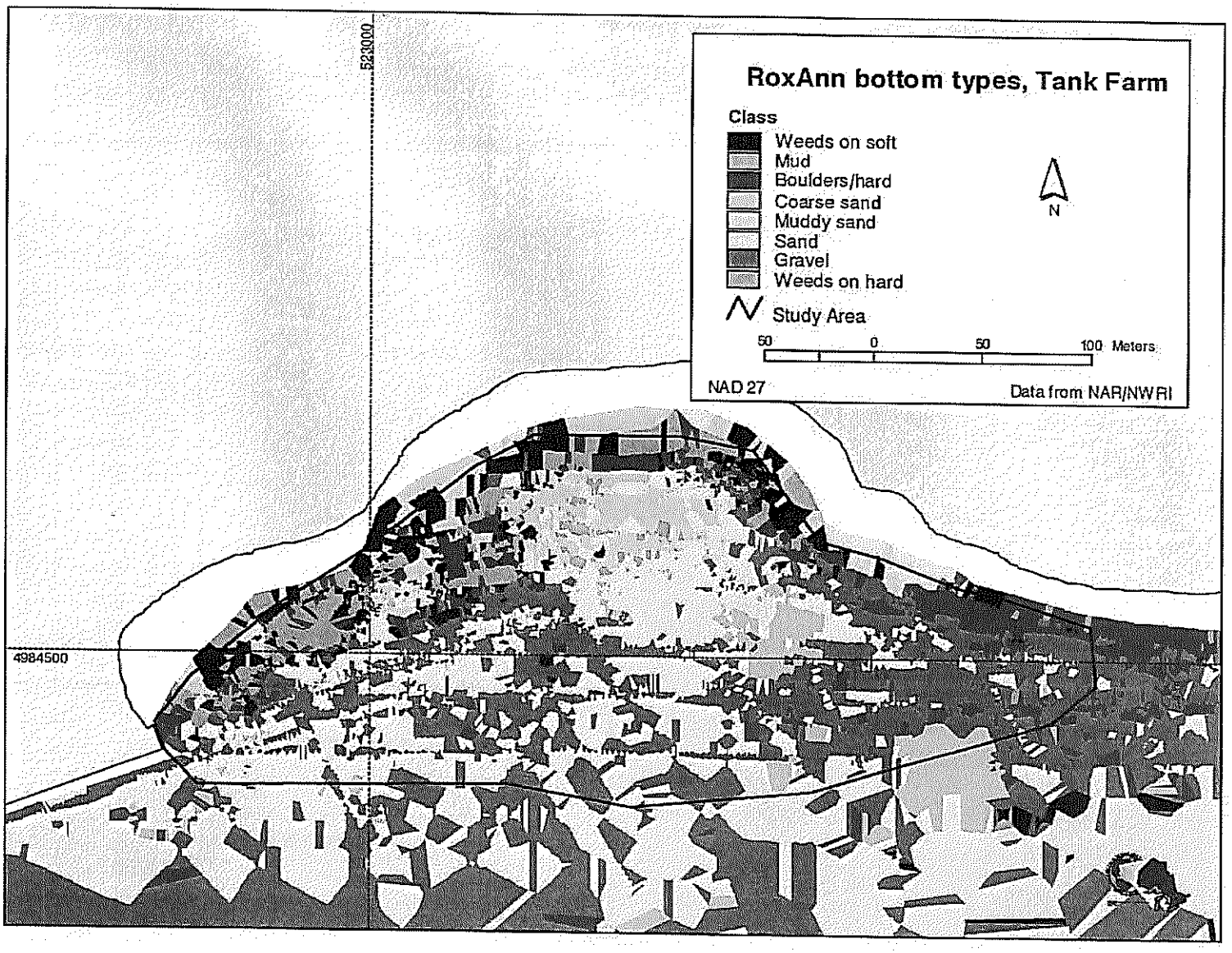

Figure 19. RoxAnn bottom types in Zone 3 (oil tank storage area). Source: Rukavina (2000).

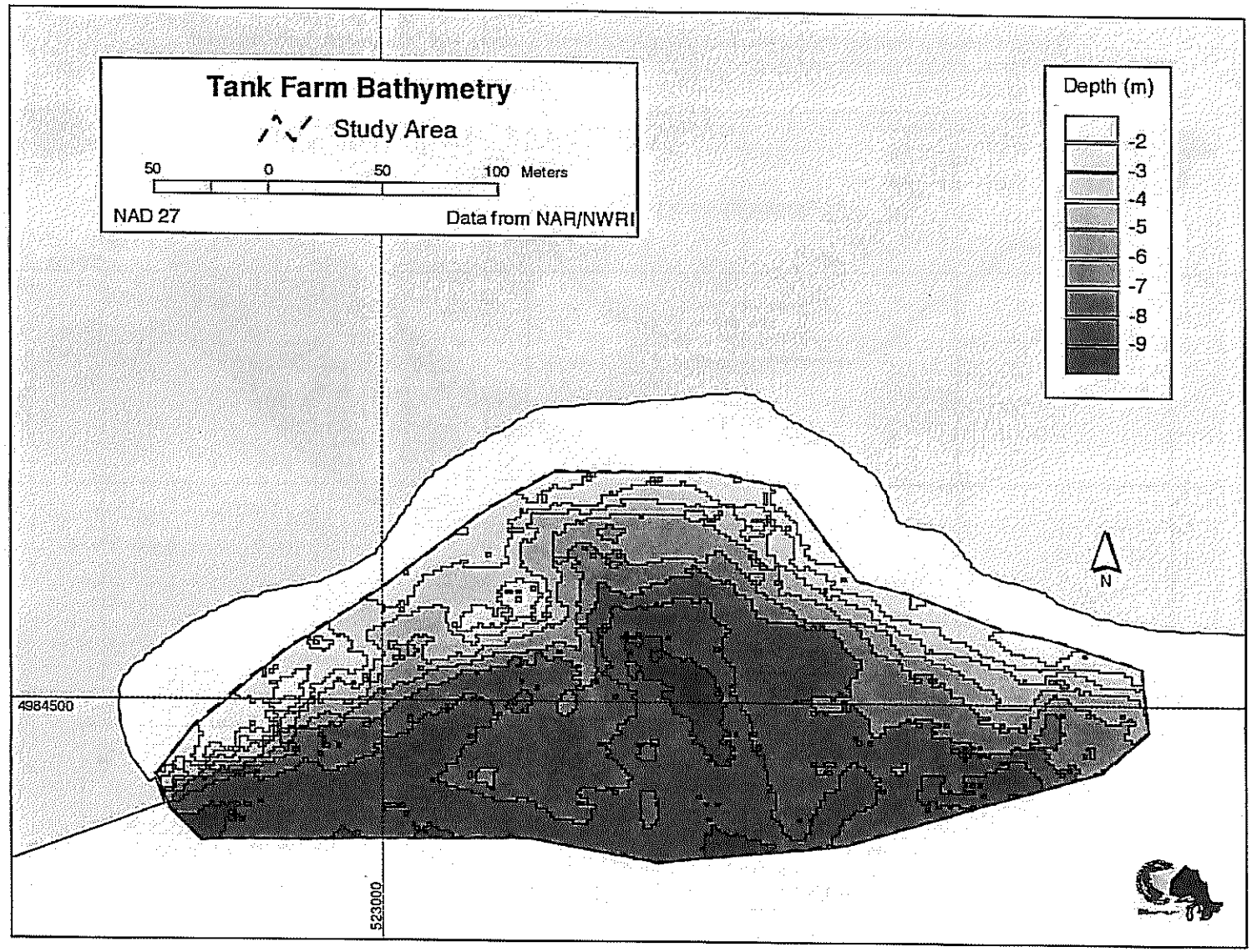

Figure 18. Average bathymetry (water depth) in Zone 3 (oil tank storage area) using 1993-1998 RoxAnn mapping data. Source: Rukavina (2000).

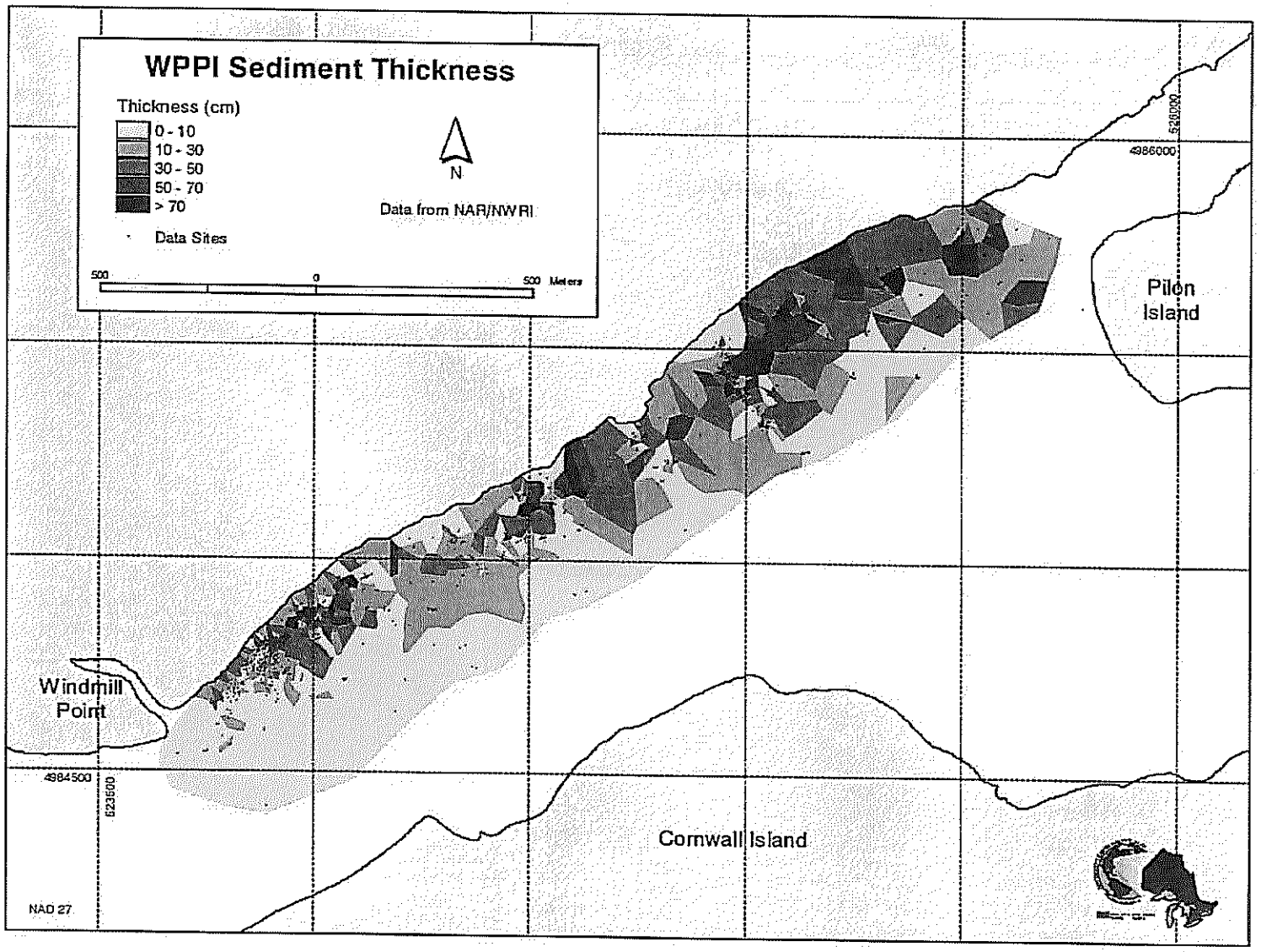

Figure 17. Sediment thickness in Zone 2 (Windmill Point to Pilon Island). Computed by GIS polygon analysis of data from sediment core or grab samples taken at locations indicated by black dots. Source: Rukavina (2000).

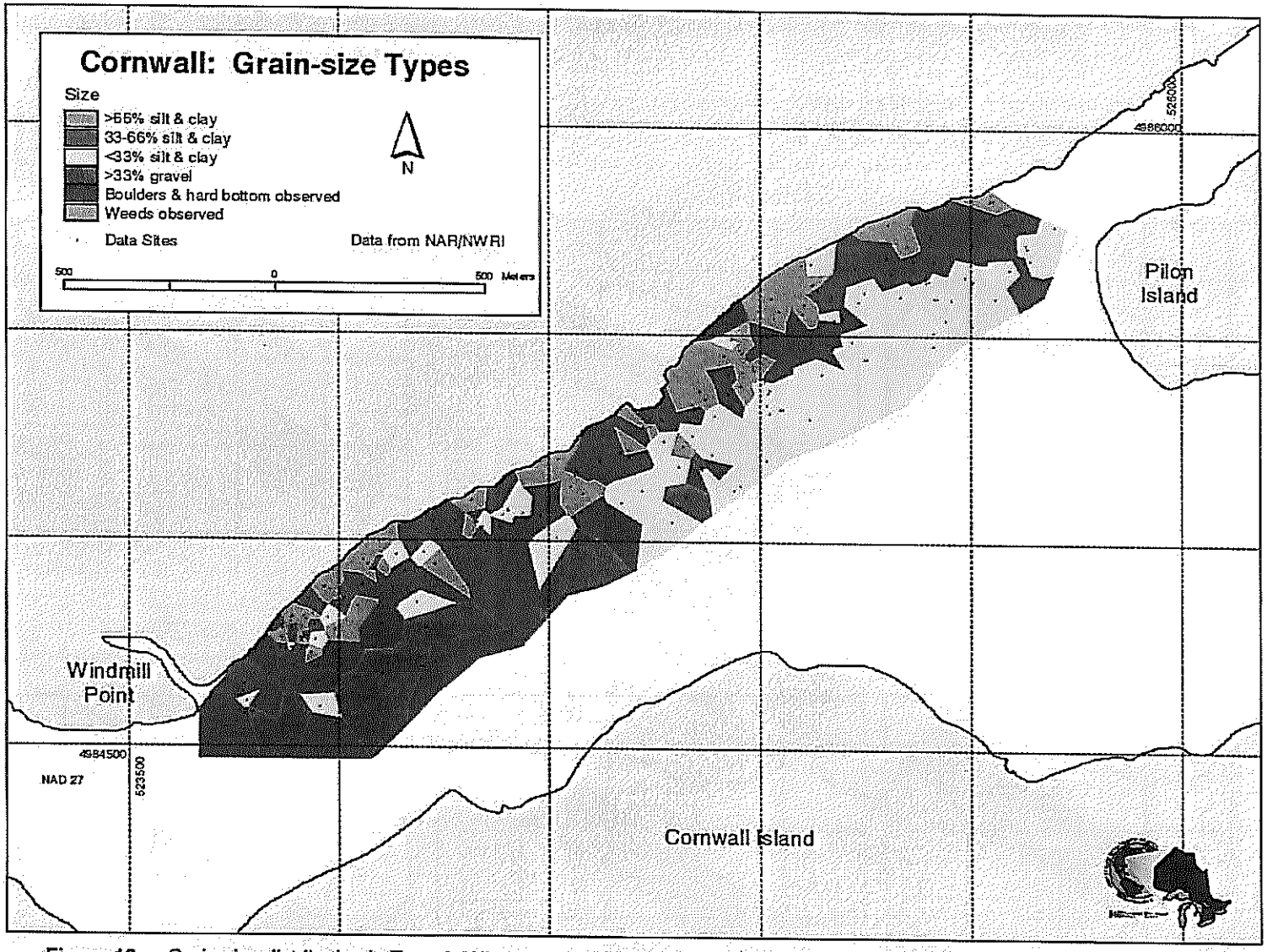

Figure 16. Grain size distribution in Zone 2 (Windmill Point to Pilon Island). Distribution computed by GIS polygon analysis of data from sediment core or grab samples taken at locations indicated by black dots. Source: Rukavina (2000).

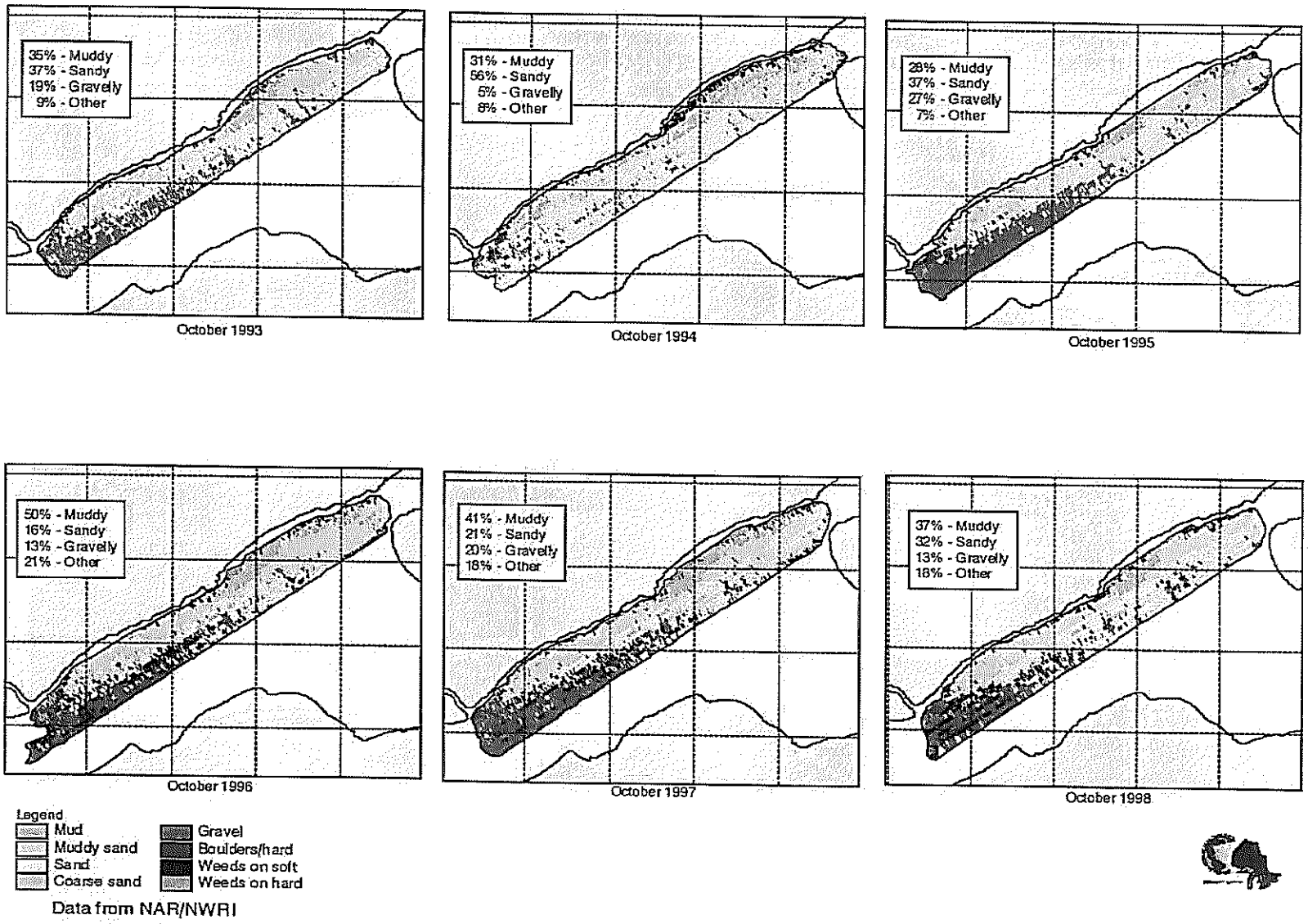

Figure 15. Changes in RoxAnn bottom types, 1993-1998, Zone 2 (Windmill Point to Pilon Island). Source: Rukavina (2000).

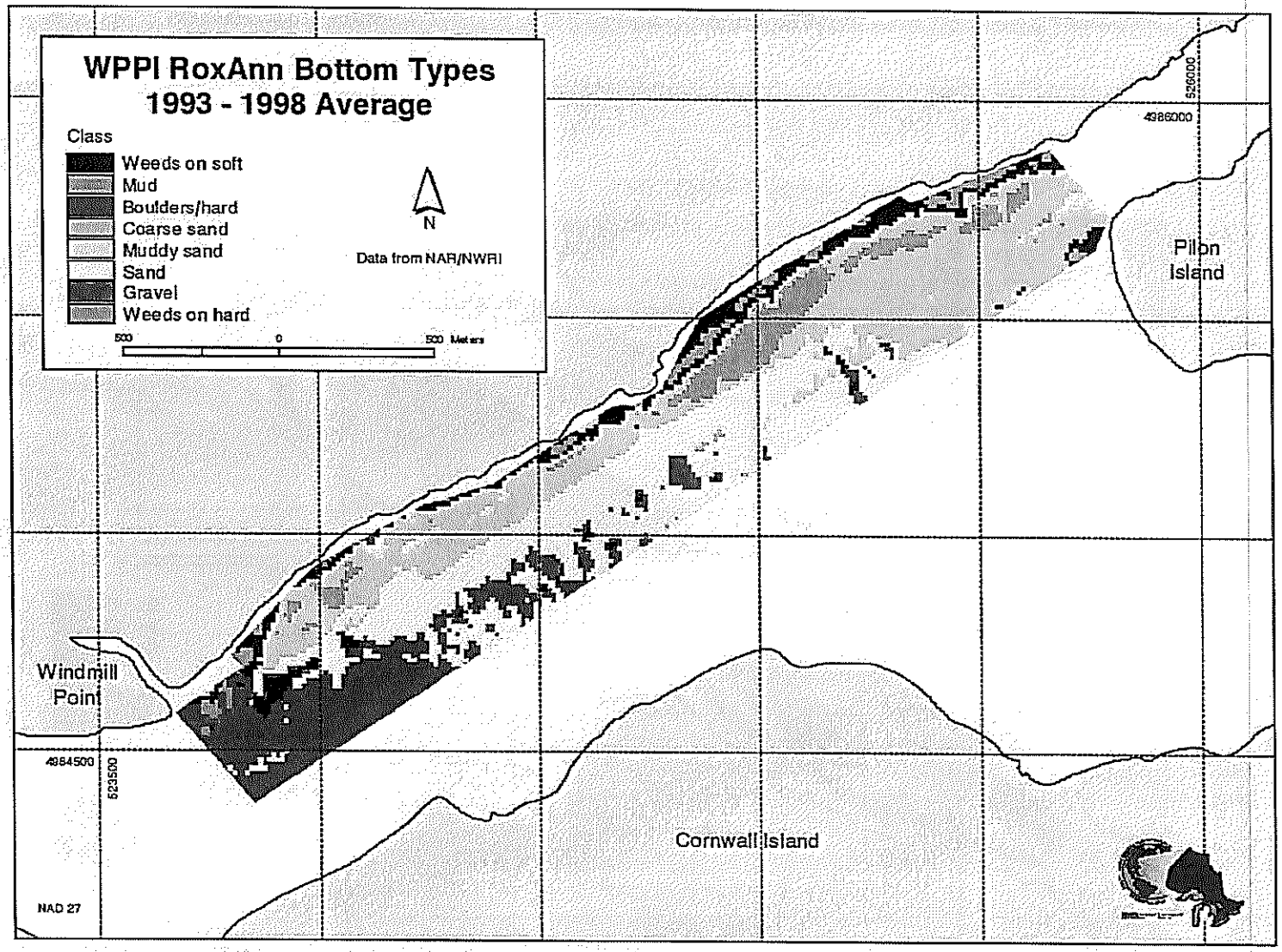

Figure 14. Average RoxAnn bottom types in Zone 2 (Windmill Point to Pilon Island) based on all data collected between 1993 and 1998. Source: Rukavina (2000).

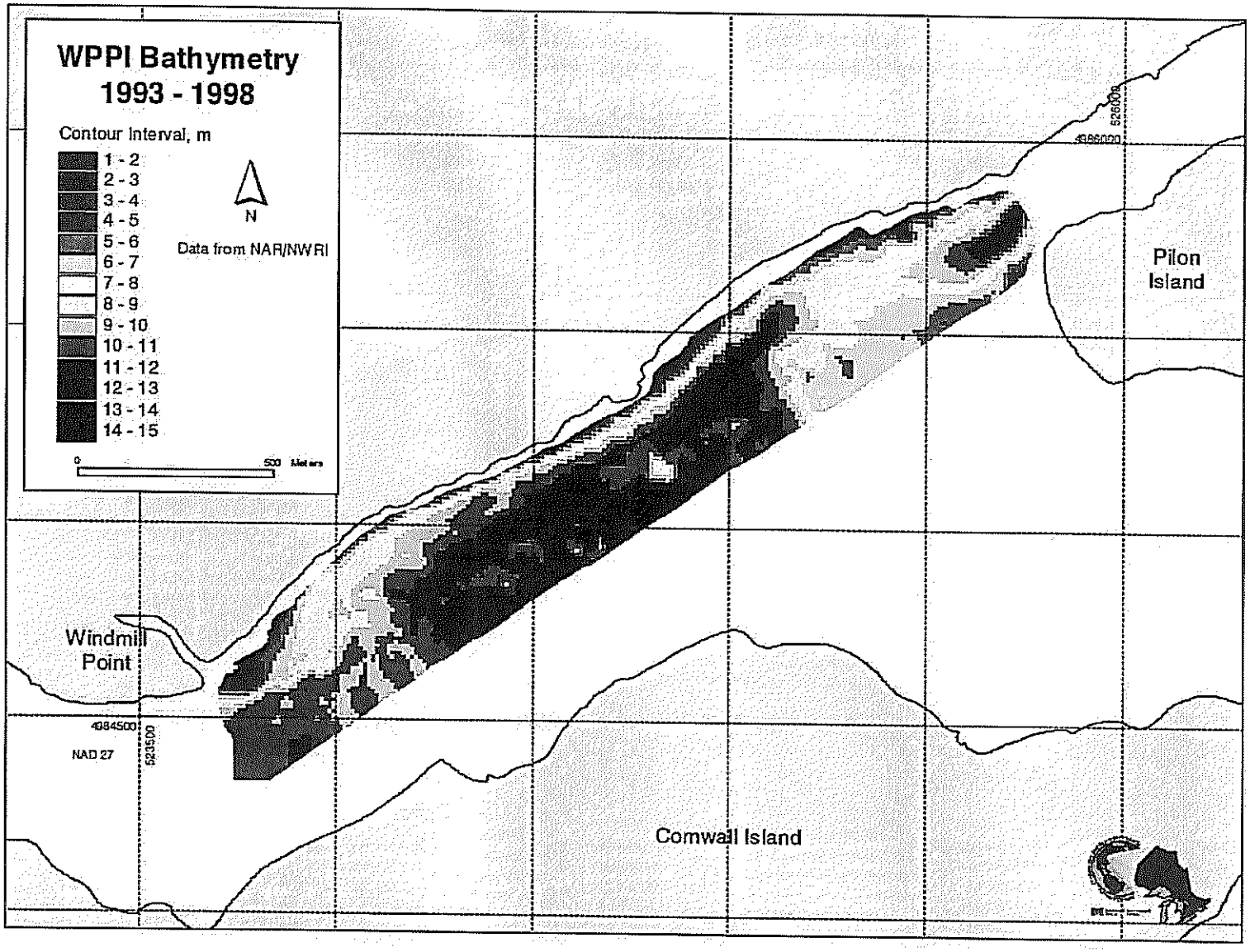

Figure 13. Average bathymetry (water depth) in Zone 2 (Windmill Point to Pilon Island) using 1993-1998 RoxAnn mapping data. Source: Rukavina (2000).

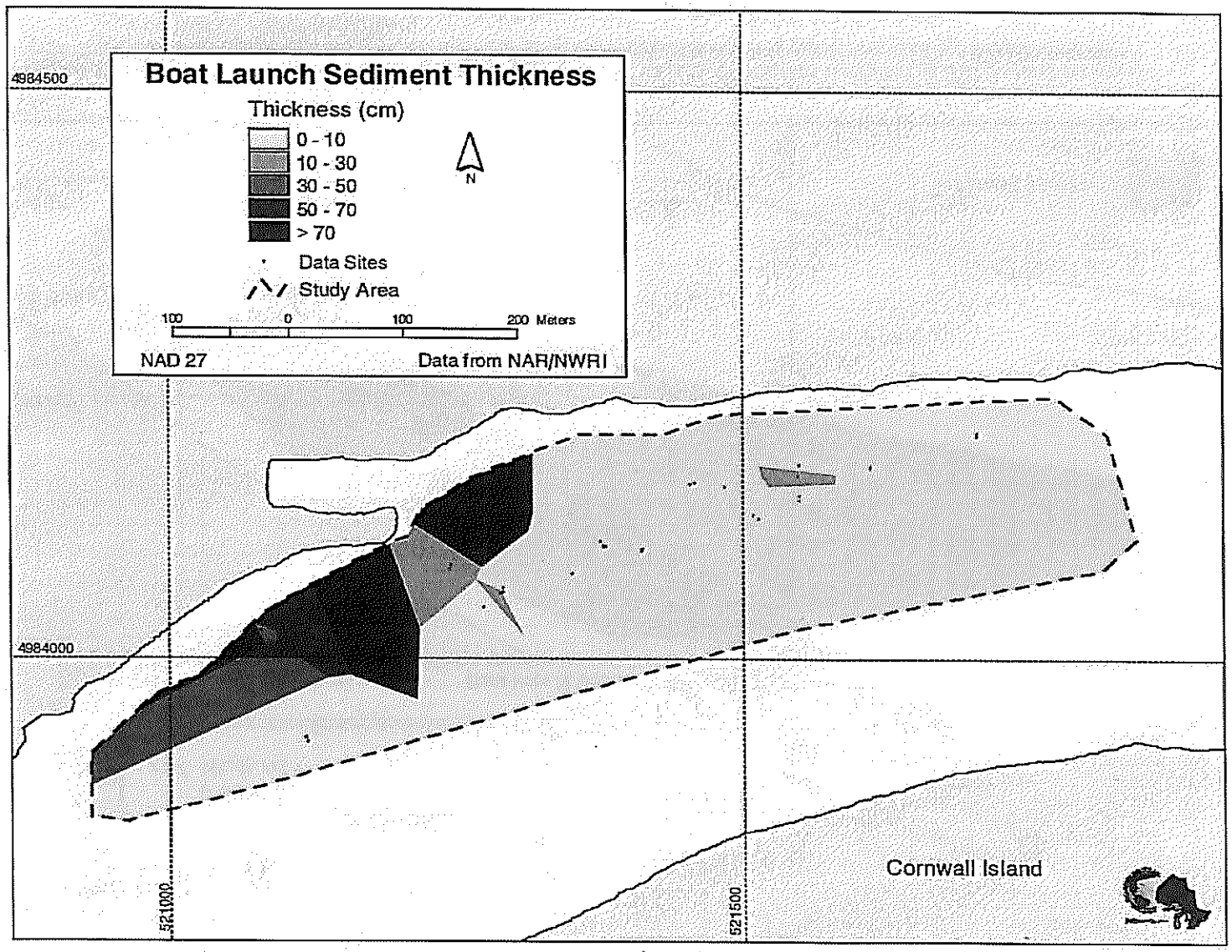

Figure 12. Sediment thickness in Zone 1 (Lamoureux Park boat launch). Computed by GIS polygon analysis of data from sediment core or grab samples taken at locations indicated by black dots. Source: Rukavina (2000).

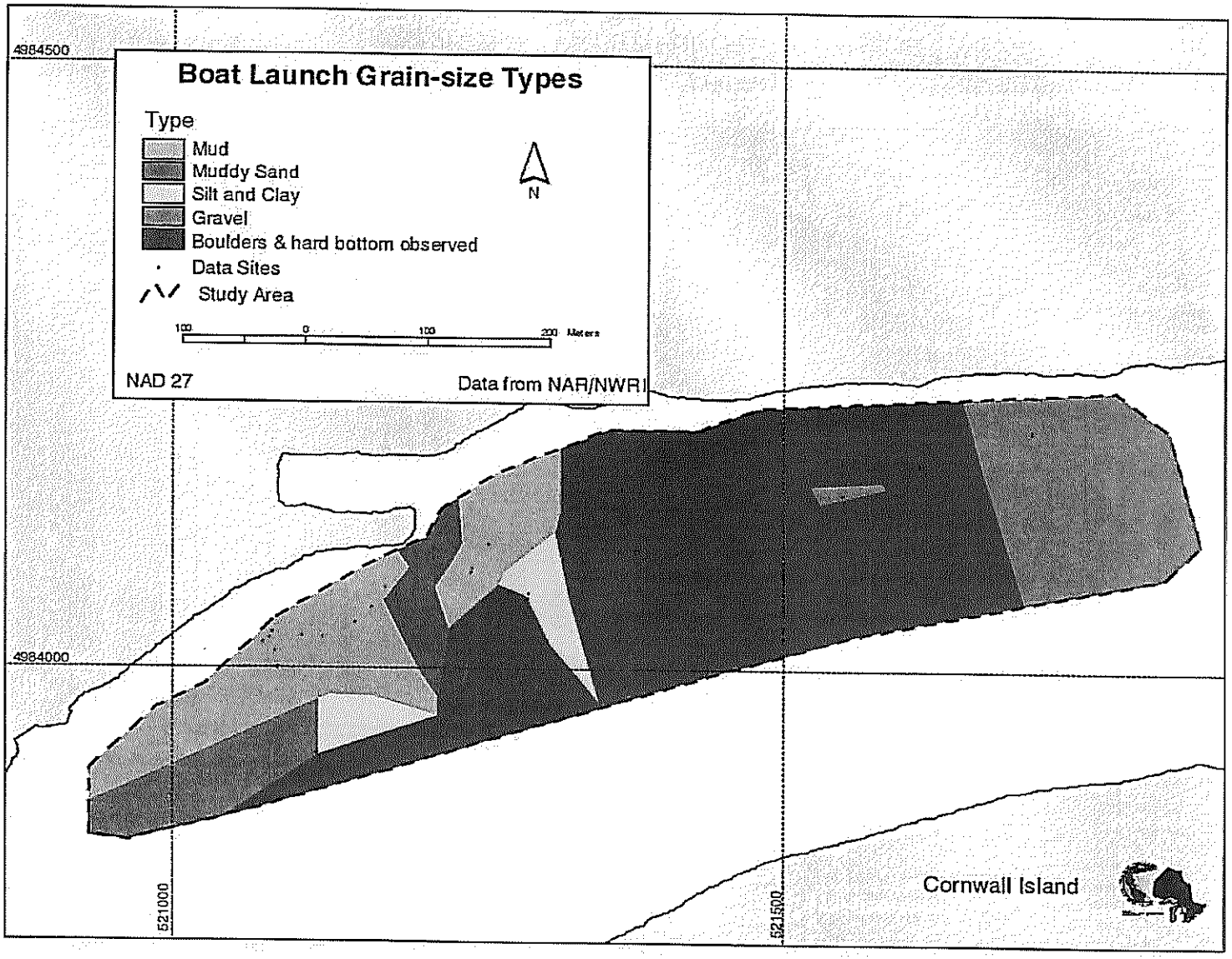

Figure 11. Grain size distribution in Zone 1 (Lamoureux Park boat launch). Distribution computed by GIS polygon analysis of data from sediment core or grab samples taken at locations indicated by black dots. Source: Rukavina (2000).

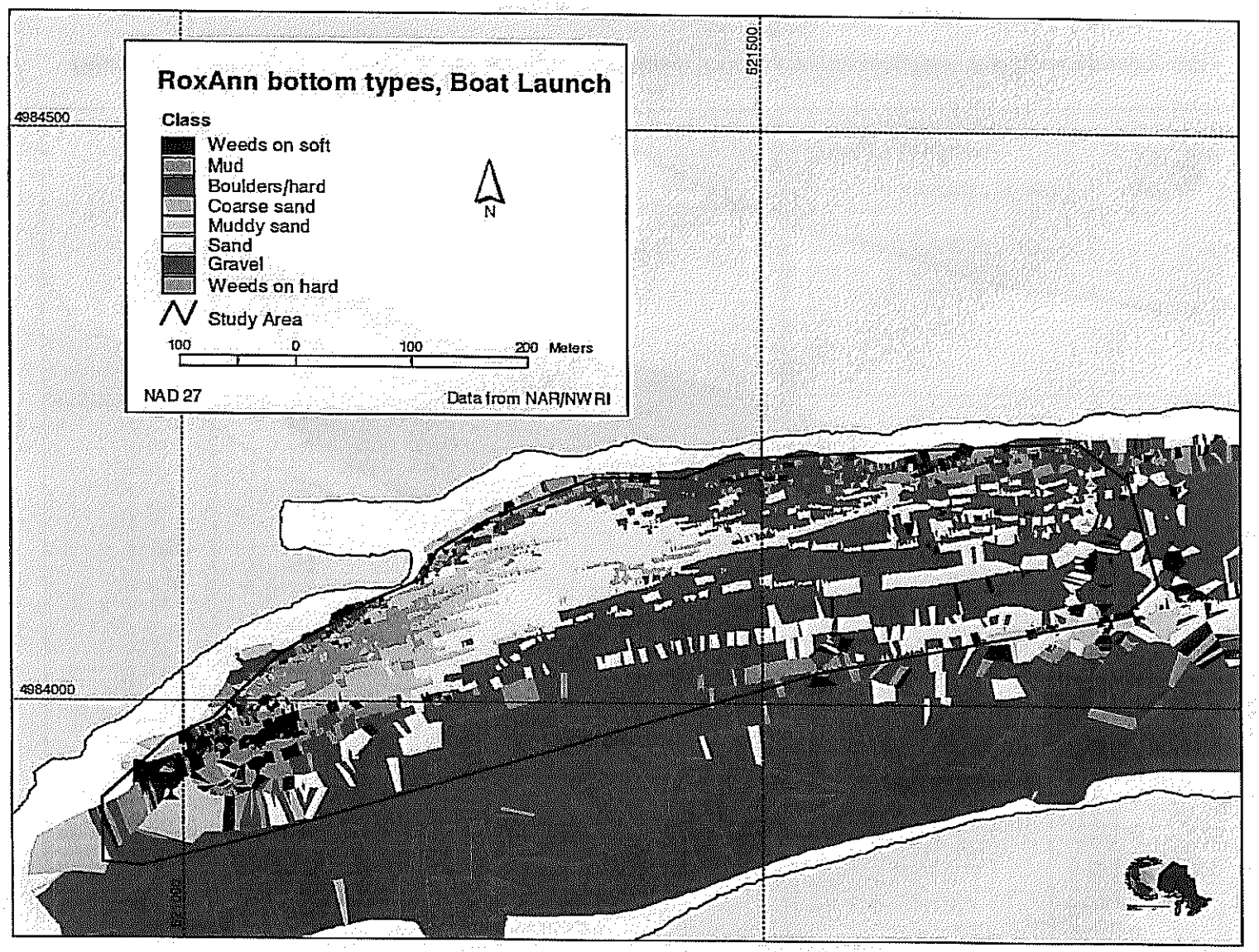

Figure 10. RoxAnn bottom types in Zone 1 (Lamoureux Park boat launch). Source: Rukavina (2000).

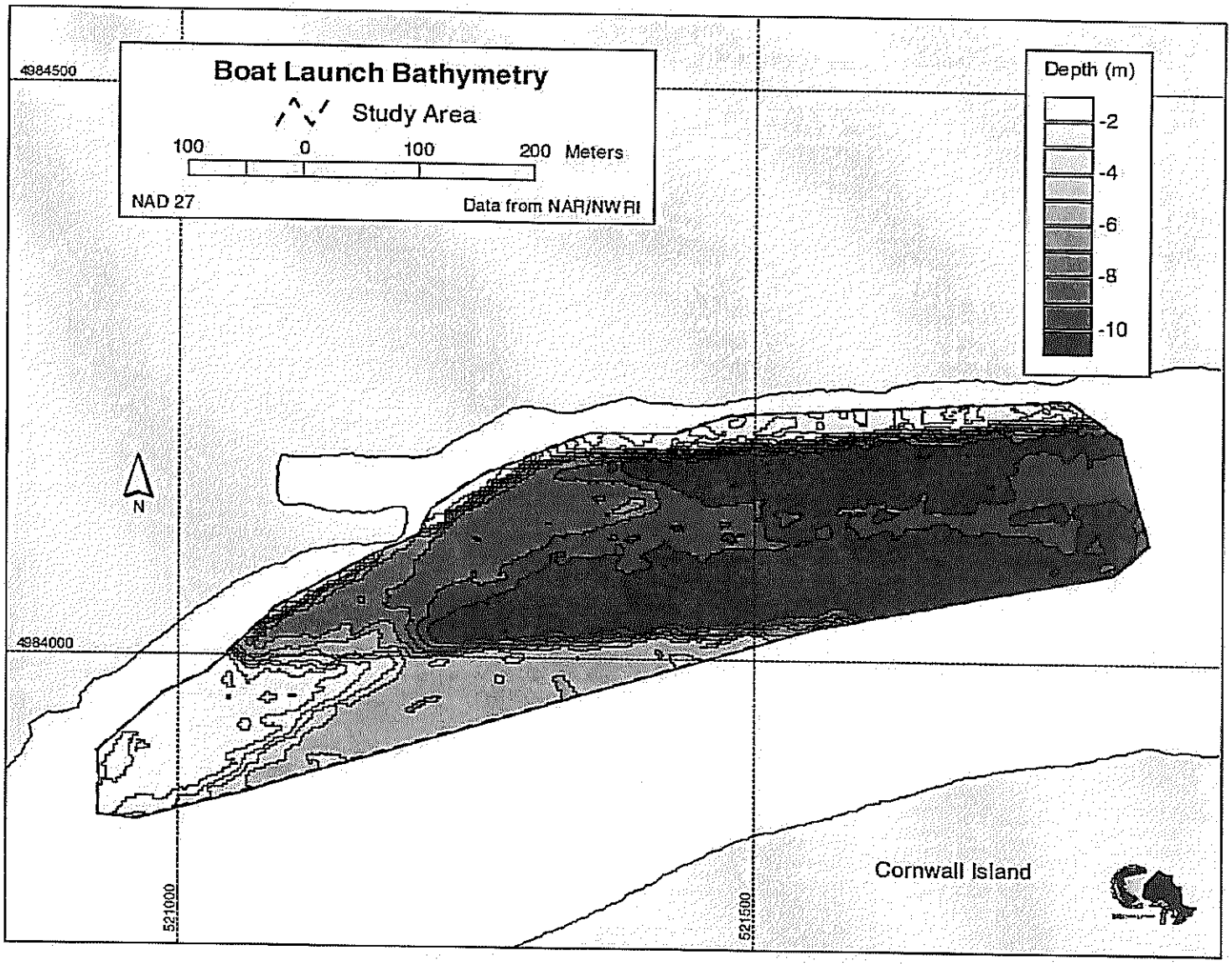

Figure 9. Average bathymetry (water depth) in Zone 1 (Lamoureux Park boat launch) using 1993-1998 RoxAnn mapping data. Source: Rukavina (2000).

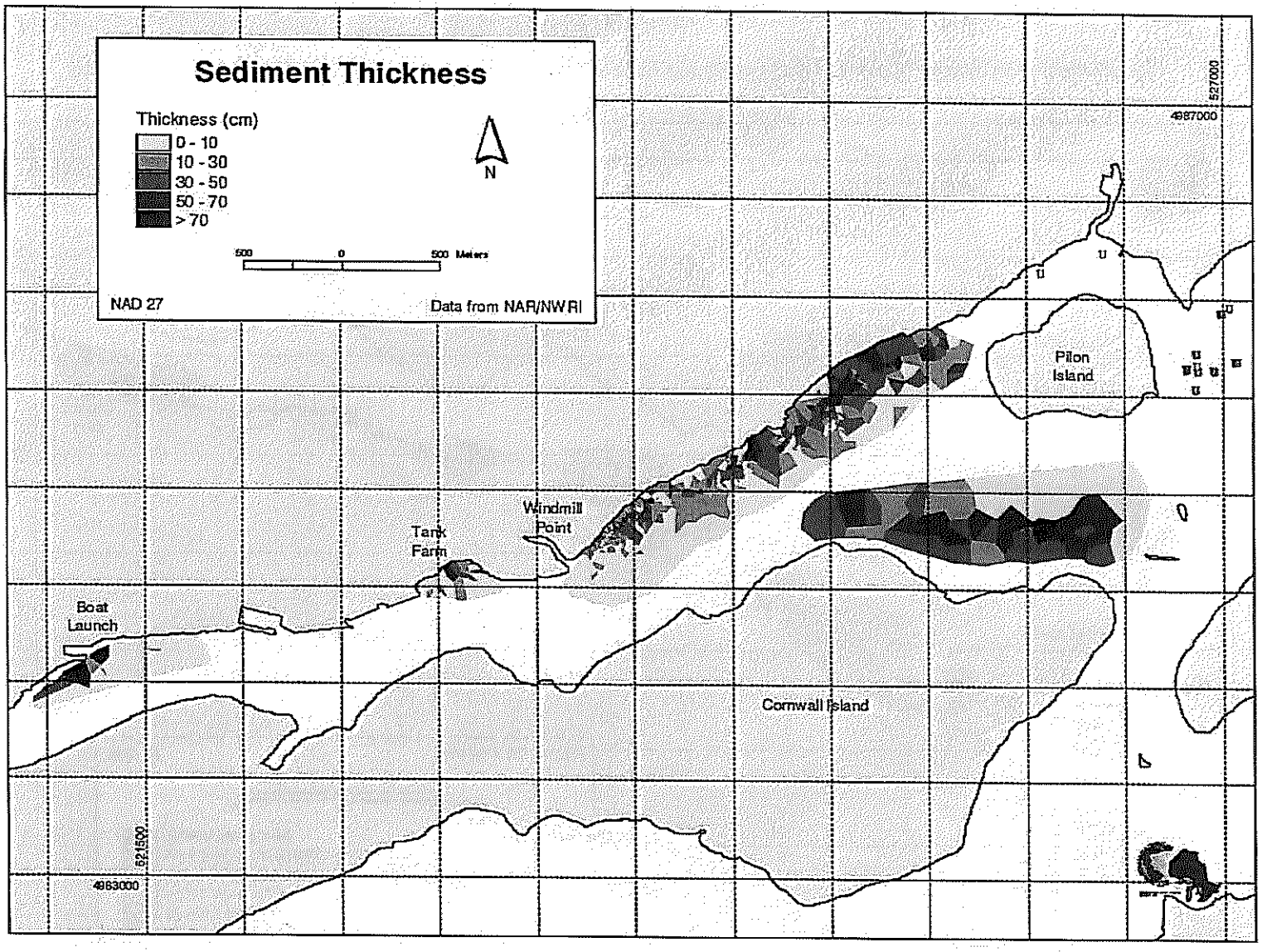

Figure 8. Sediment thickness in study area, computed by GIS polygon analysis of data from sediment core and grab samples. Source: Rukavina (2000).

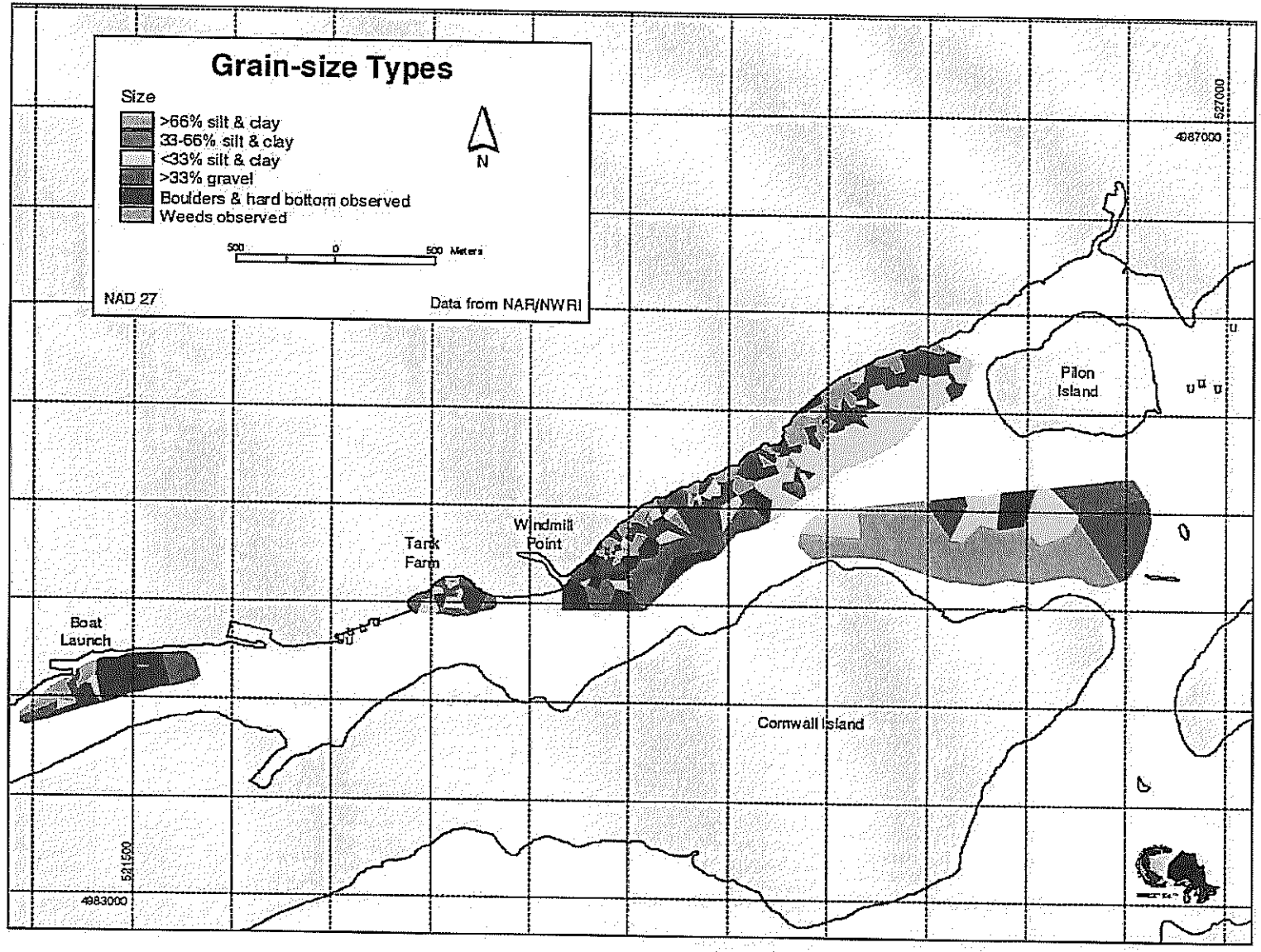

Figure 7. Grain size distribution in study area. Distribution computed by GIS polygon analysis of data from sediment core and grab samples. Source: Rukavina (2000).

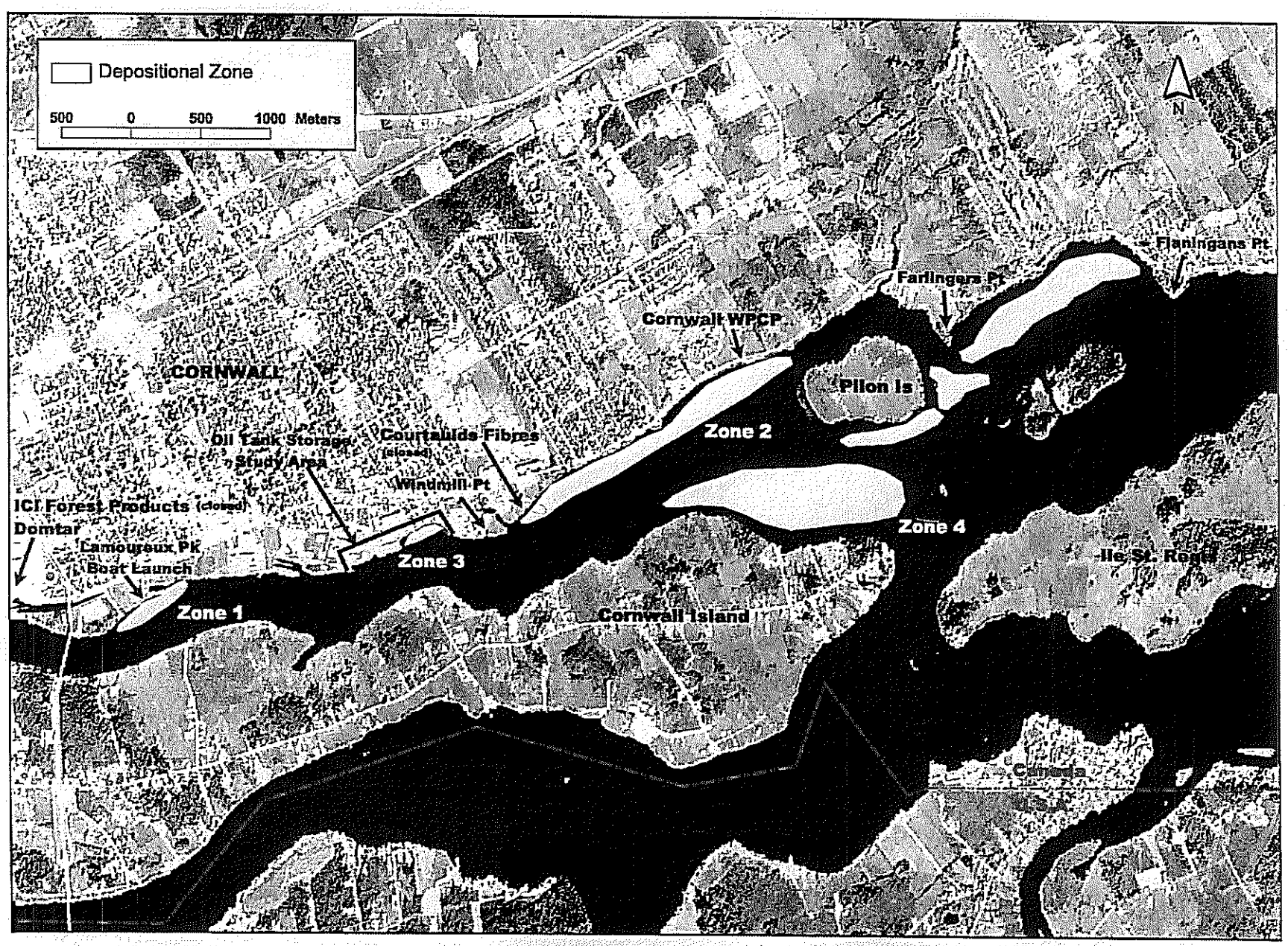

Figure 6. Zones of fine-grained sediment deposition determined by Rukavina (2000).

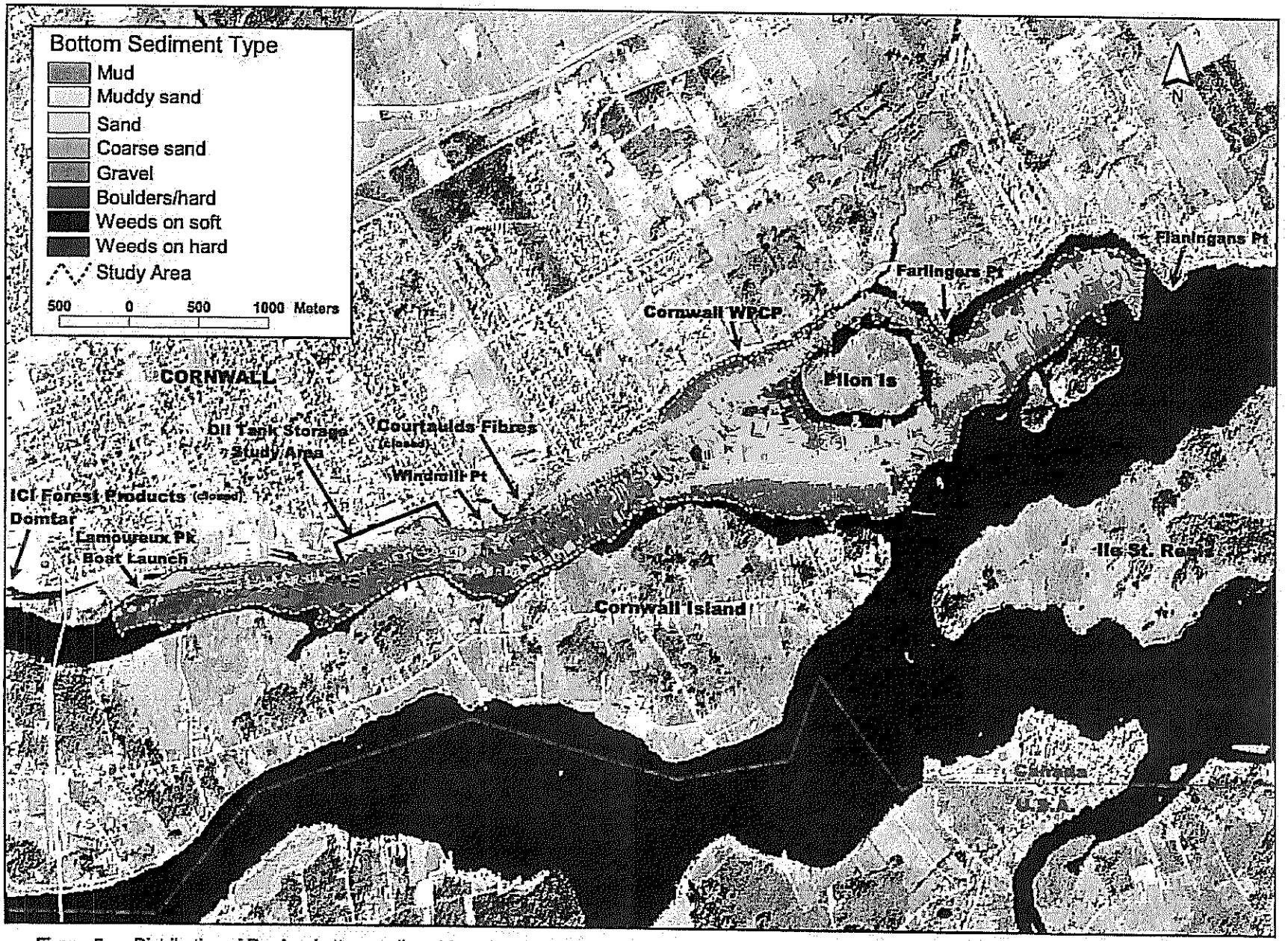

Figure 5. Distribution of RoxAnn bottom sediment type (mud, muddy sand, weeds on soft, sand, coarse sand, gravel, boulders/hard, weeds on hard). Source: Rukavina (2000).

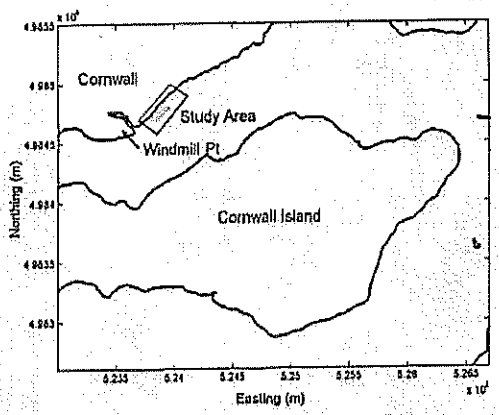

Figure 3. Site map of 1999 currents profile study area. Source: Coastal Ocean Associates (1999).

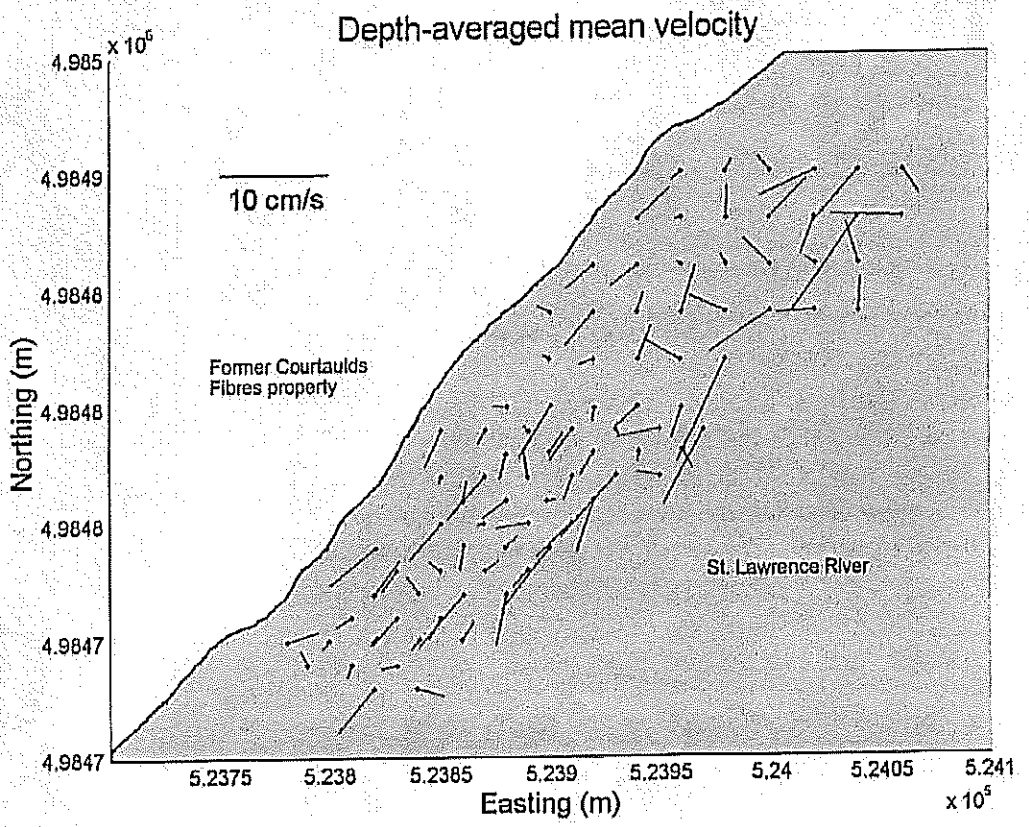

Figure 4. Depth-averaged mean velocity at each ice hole. Length of line is proportional to velocity of current. Lines are drawn in the direction of flow, with the origin at the dot representing the location of the hole through which acoustic Doppler current profiler (ADCP) readings were taken. Location of study area shown as inset in Figure 3. Source: Coastal Ocean Associates (1999).

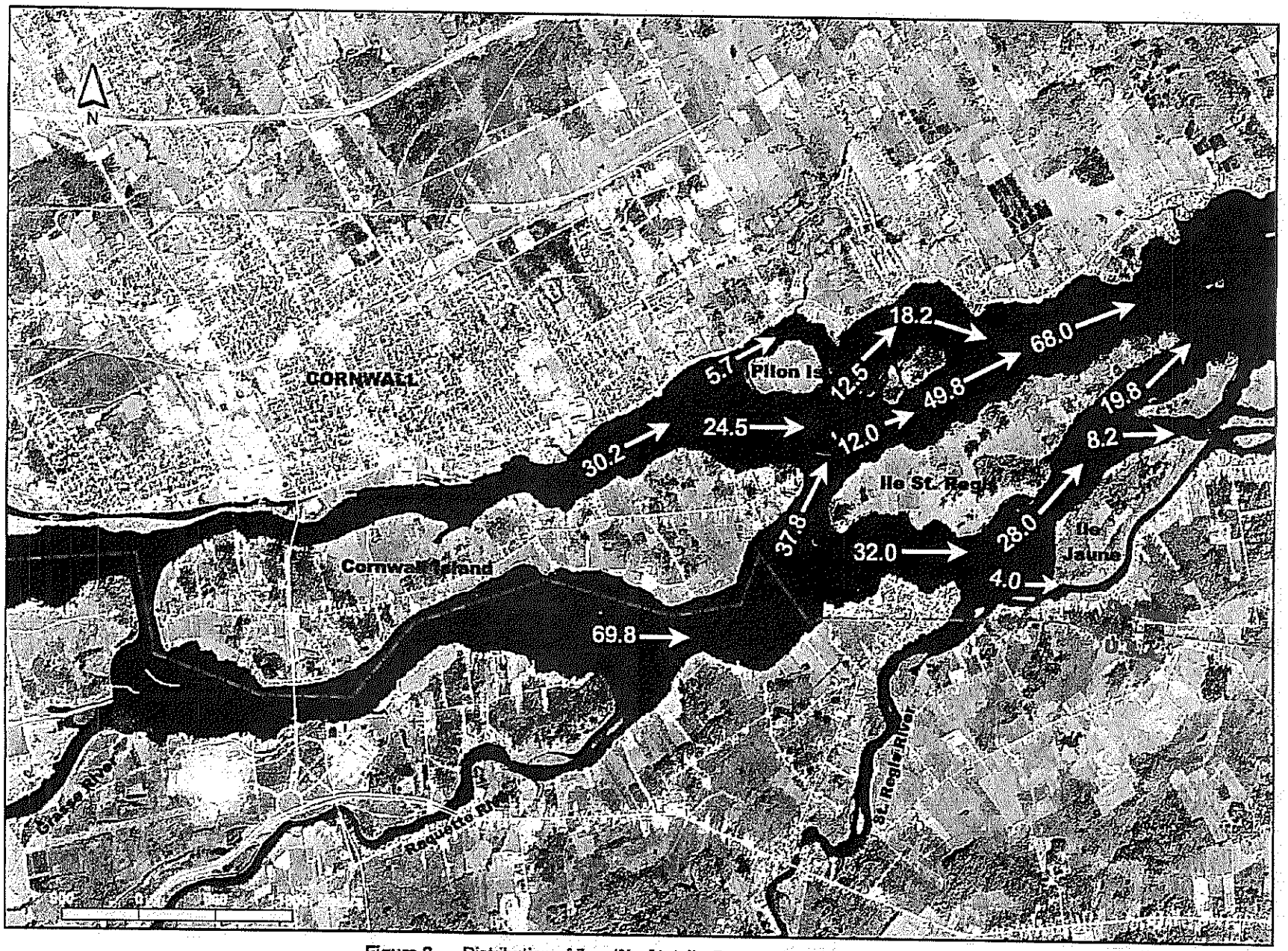

Figure 2. Distribution of flow (% of total). Source: Nettleton (1996).

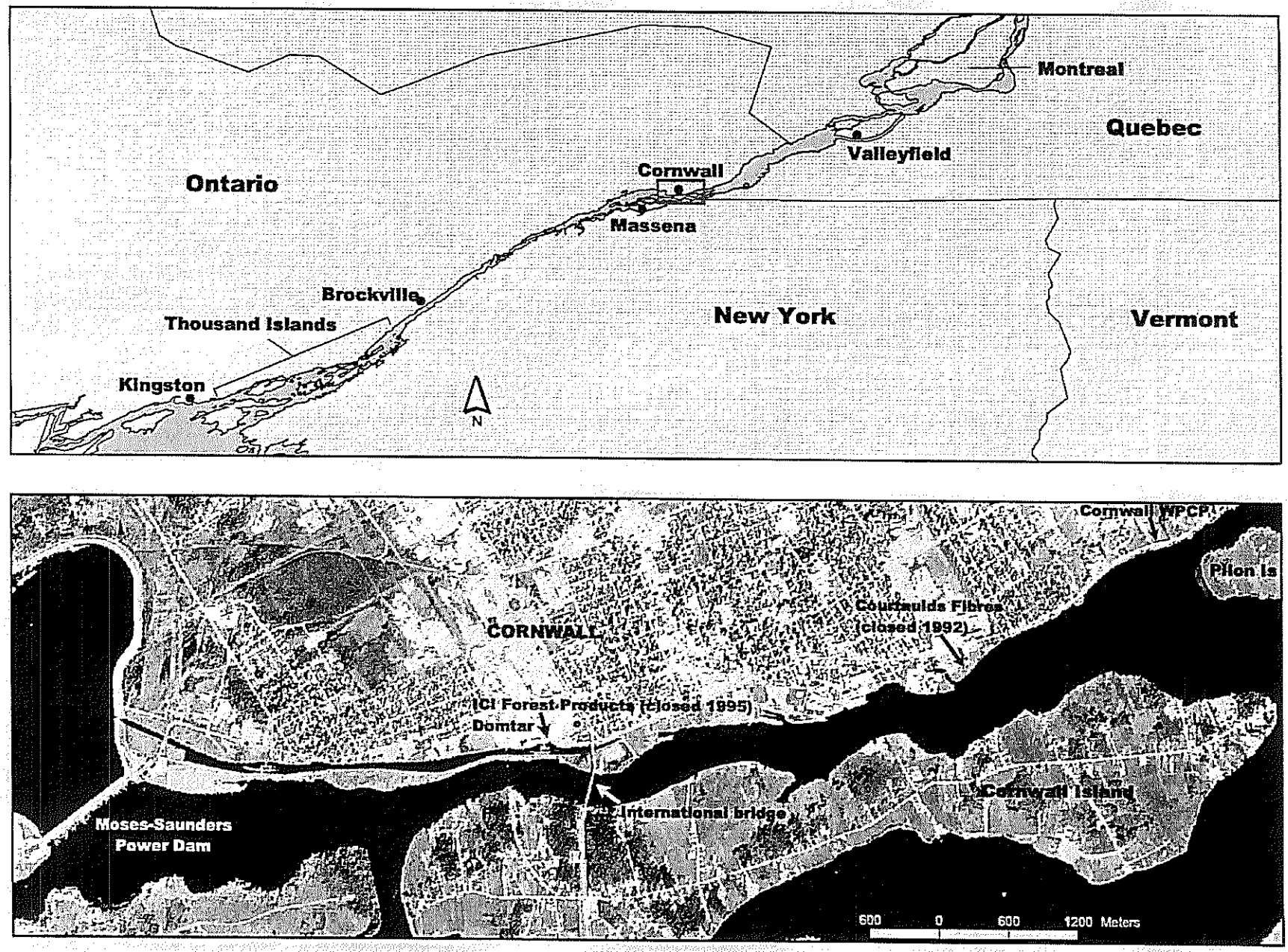

Figure 1. St. Lawrence River, Ontario to Quebec, with study area outlined in red (above). Enlarged map of Cornwall, Ontario waterfront study area (below).