

Figure A-51. Distribution of hexachlorobutadiene in sediments of the Milwaukee Waterway.

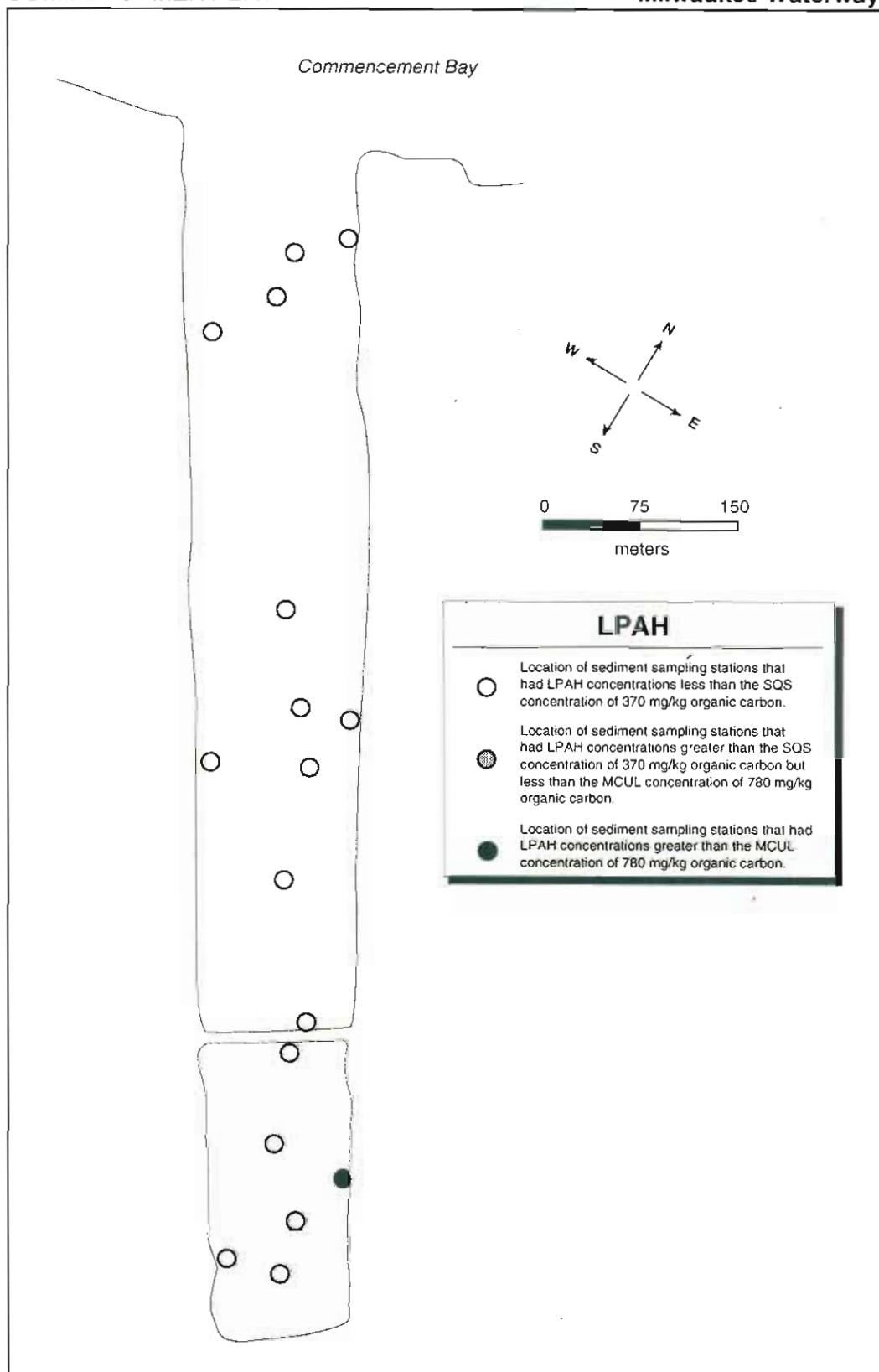


Figure A-52. Distribution of LPAH compounds in sediments of the Milwaukee Waterway.

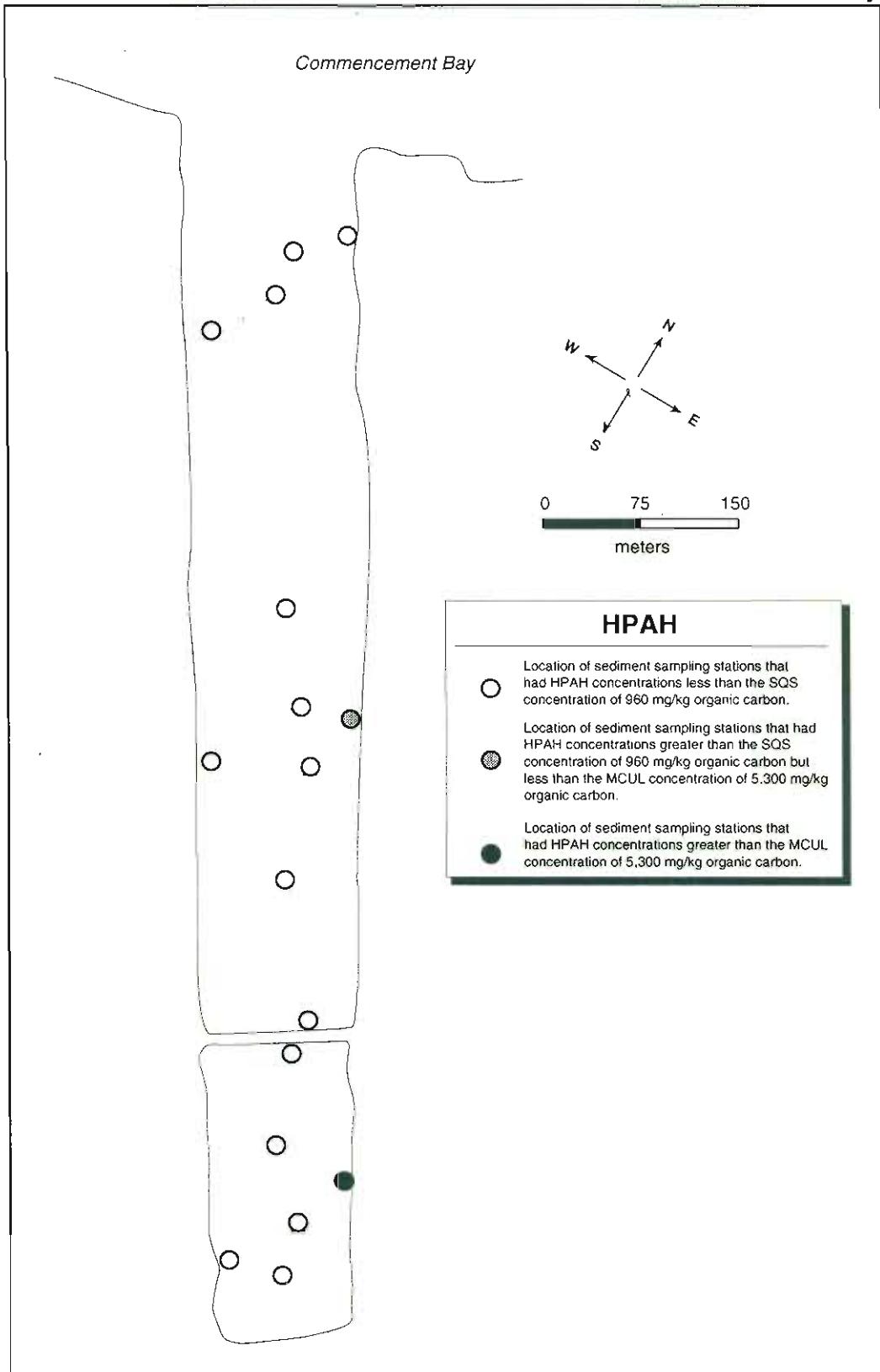


Figure A-53. Distribution of HPAH compounds in sediments of the Milwaukee Waterway.

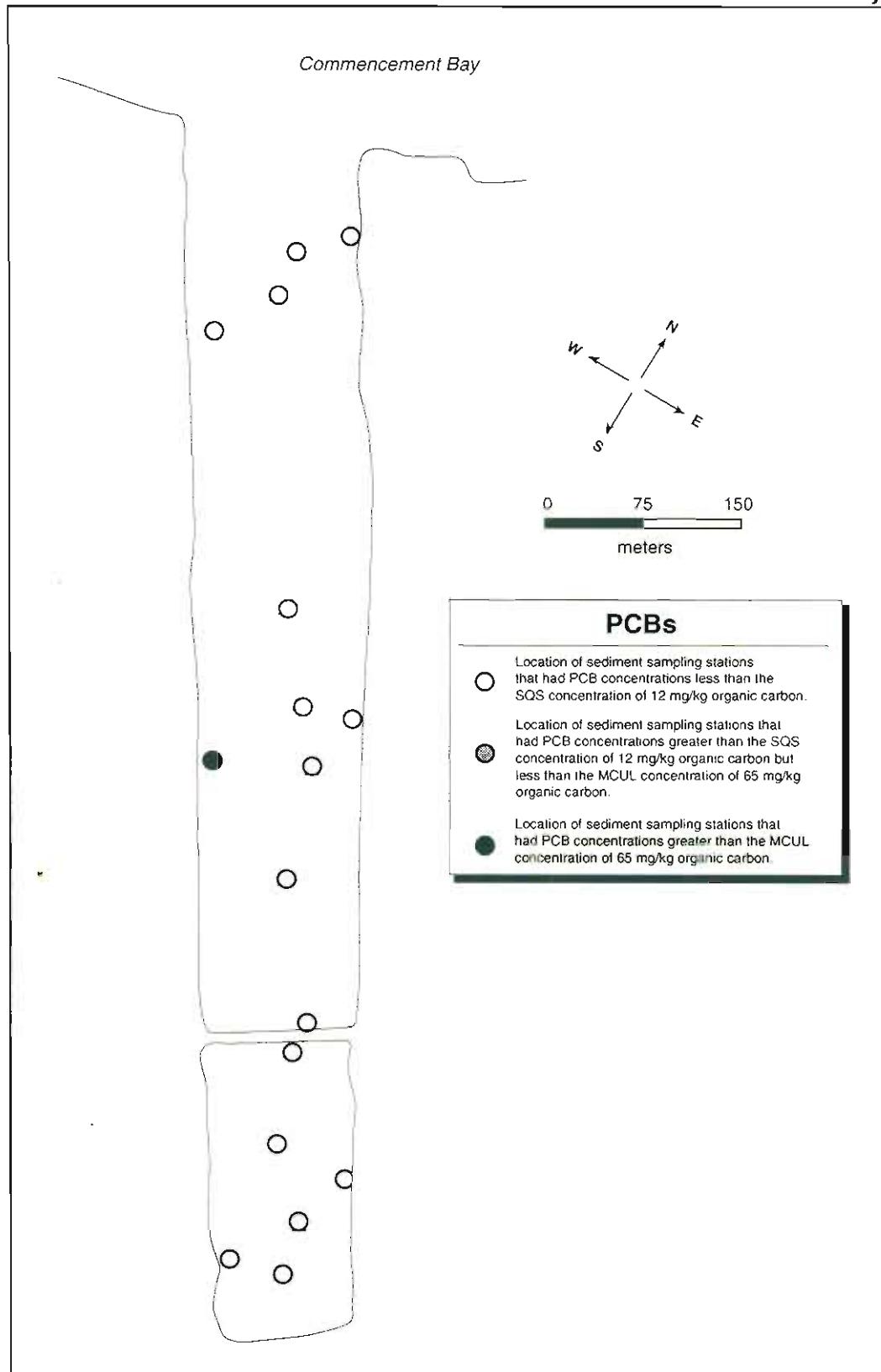


Figure A-54. Distribution of PCBs in sediments of the Milwaukee Waterway.

COMMENCEMENT BAY

St. Paul Waterway Mitigation Site

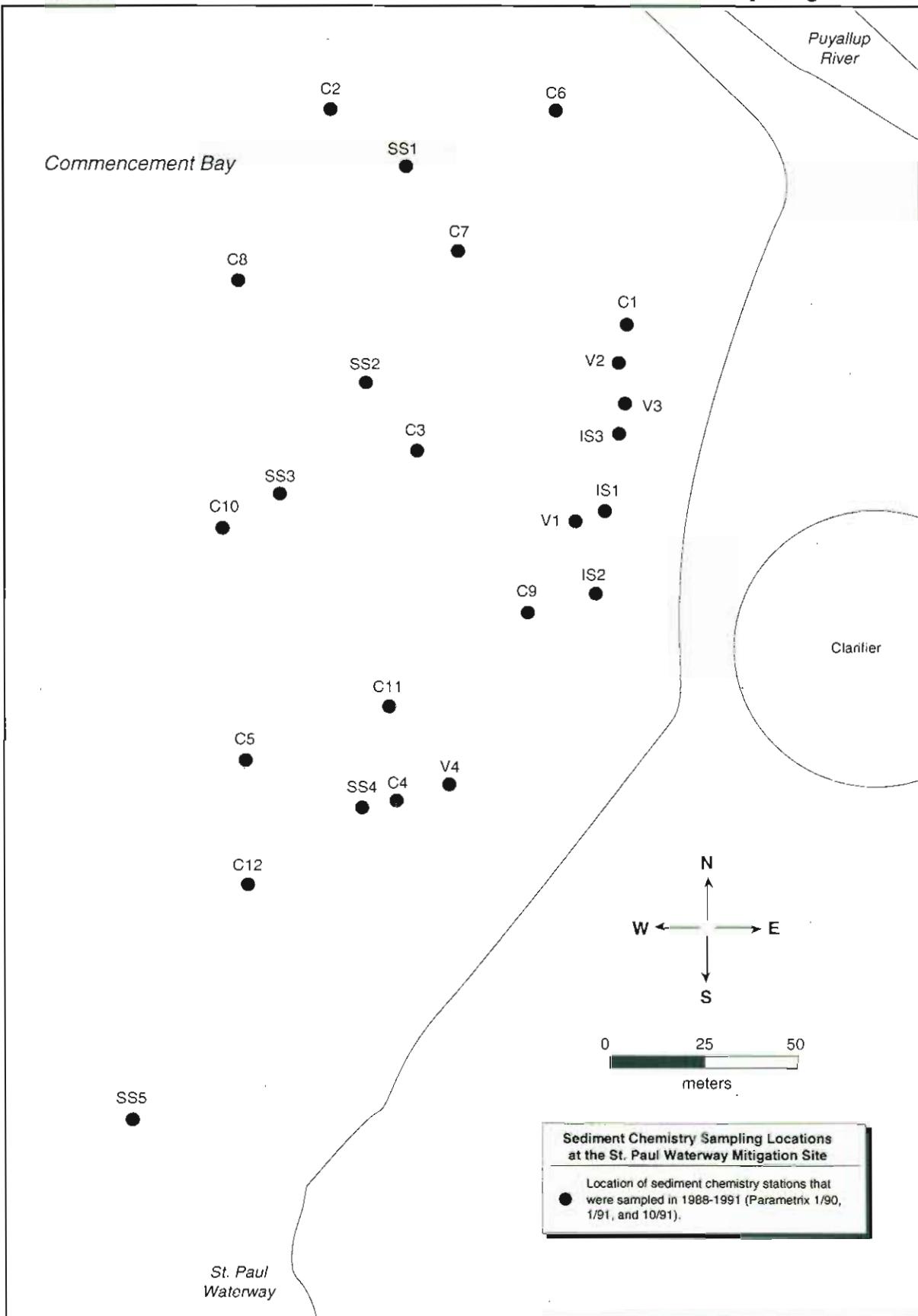


Figure A-55. Sediment sampling stations in the St. Paul Waterway Mitigation Site.

COMMENCEMENT BAY

St. Paul Waterway Mitigation Site

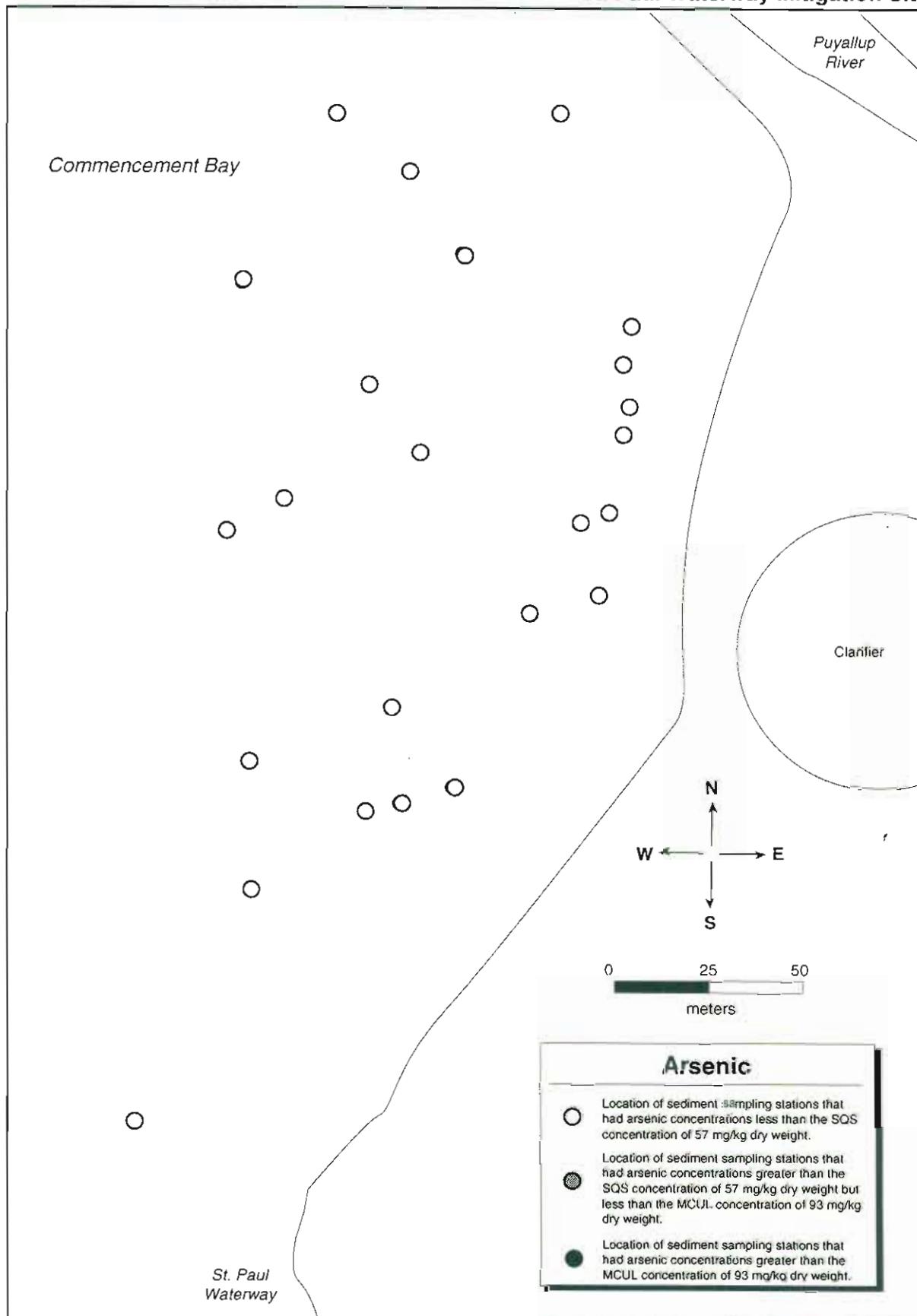


Figure A-56. Distribution of arsenic in sediments of the St. Paul Waterway Mitigation Site.

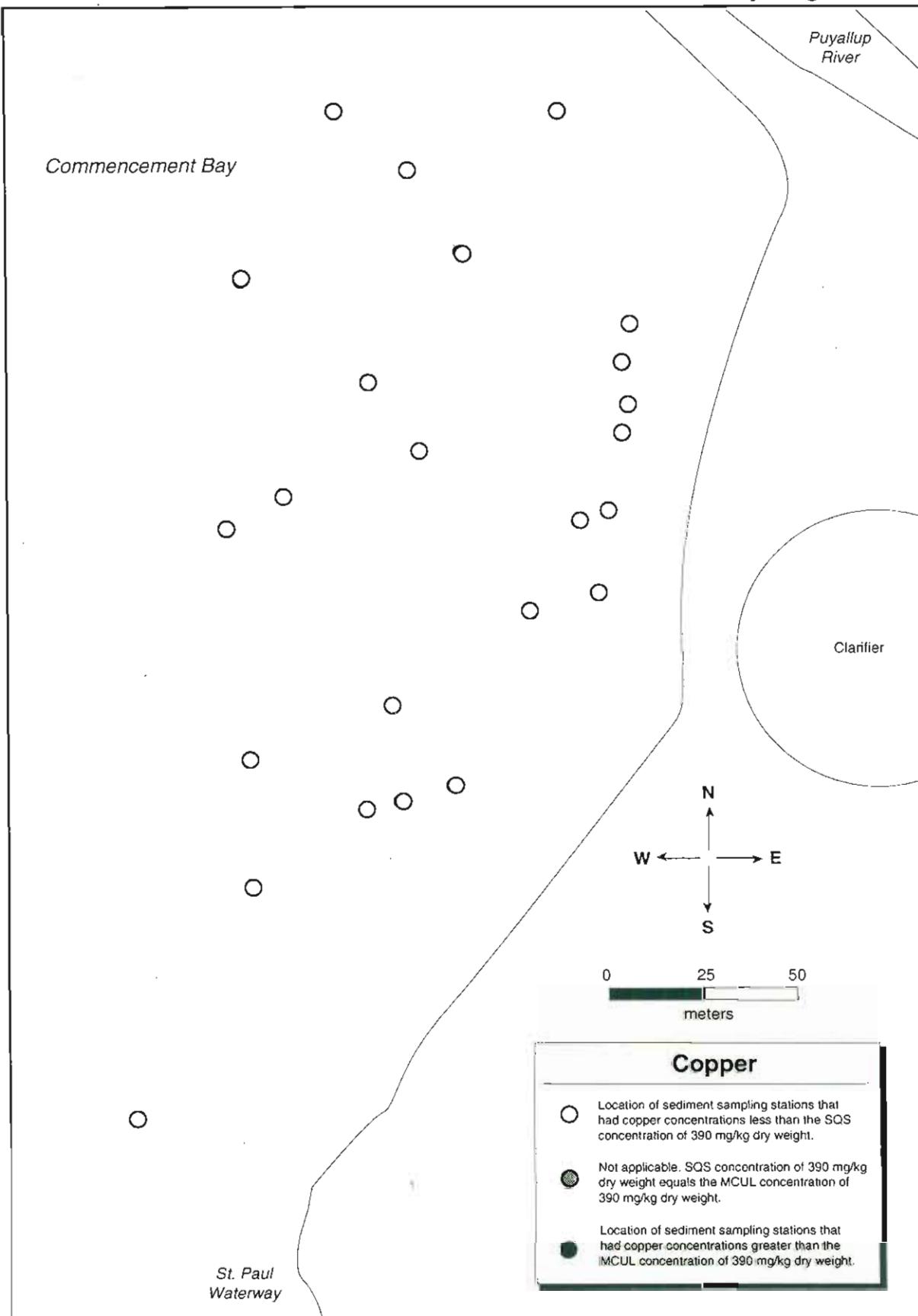


Figure A-57. Distribution of copper in cap sediments of the St. Paul Waterway Mitigation Site.

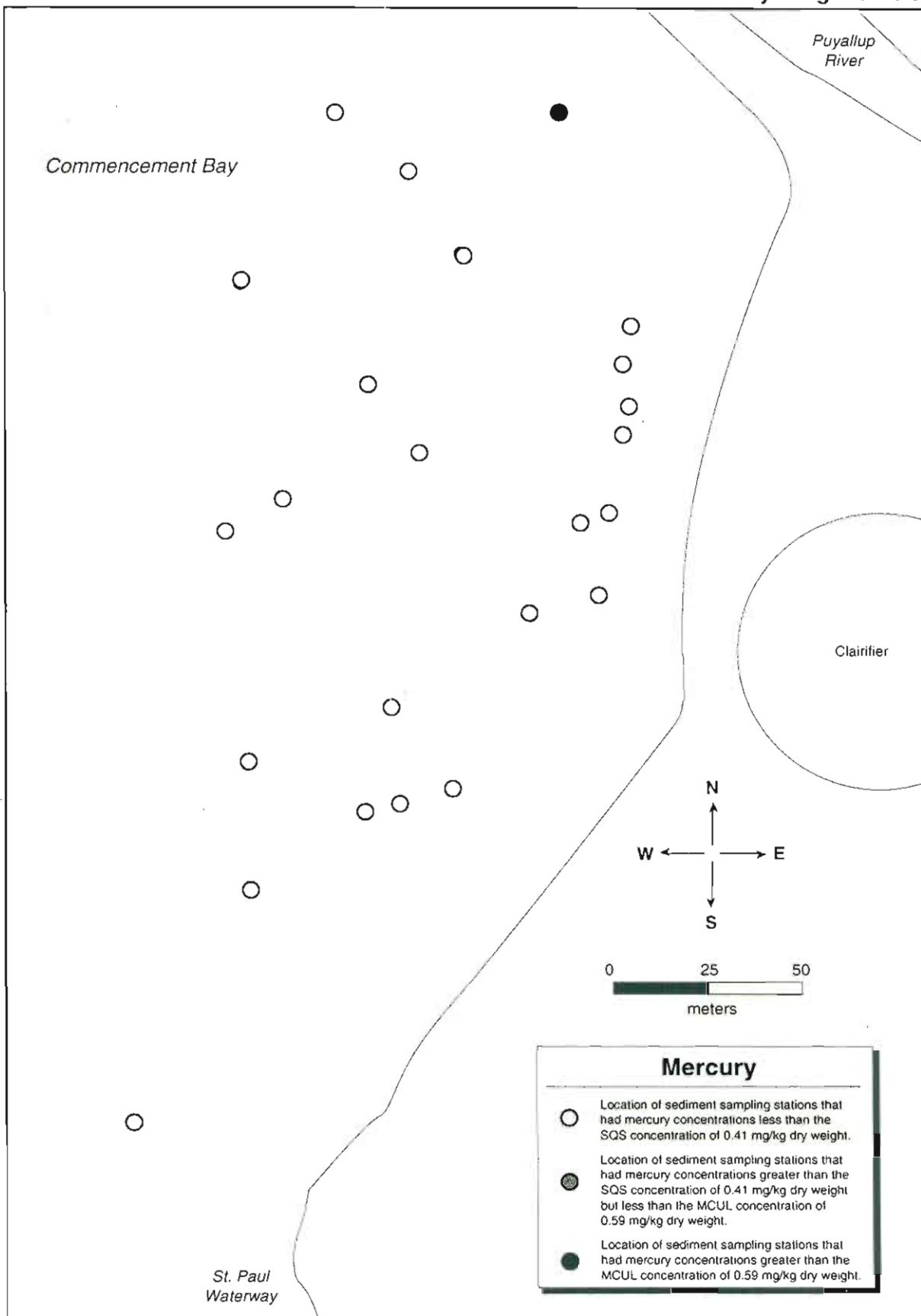


Figure A-58. Distribution of mercury in cap sediments of the St Paul Waterway Mitigation Site.

COMMENCEMENT BAY

St. Paul Waterway Mitigation Site

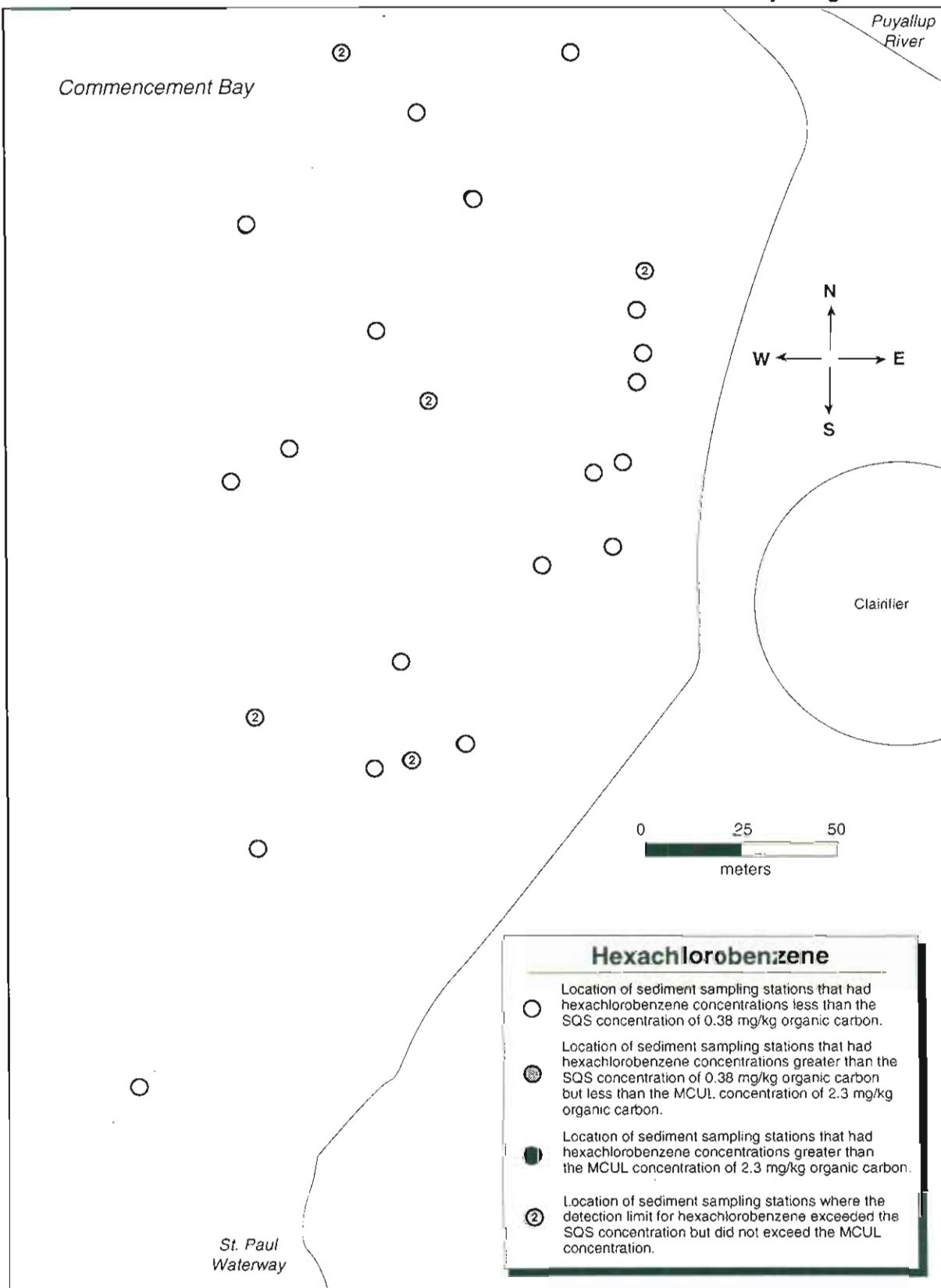


Figure A-59. Distribution of hexachlorobenzene in cap sediments of the St Paul Waterway Mitigation Site.

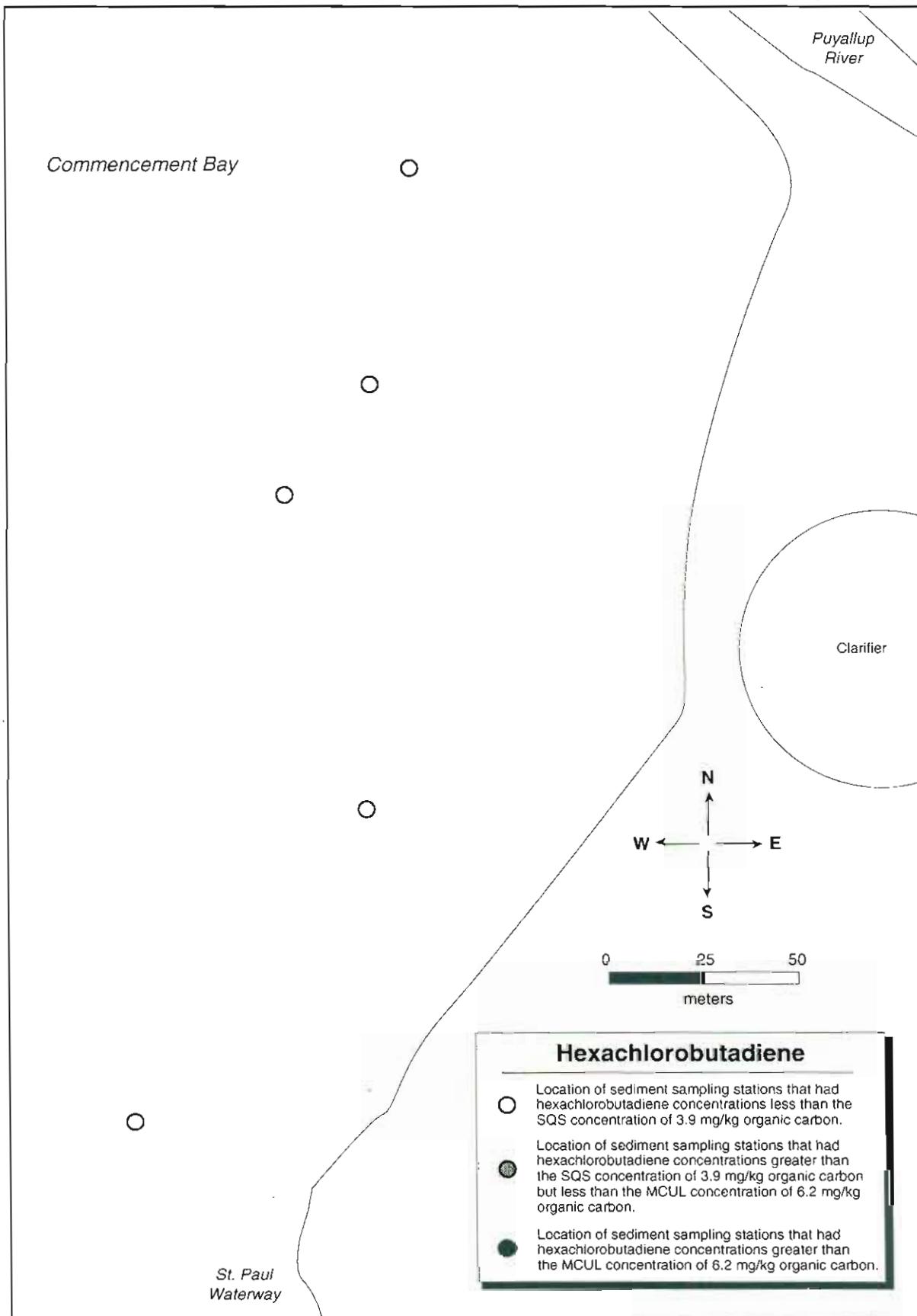


Figure A-60. Distribution of hexachlorobutadiene in cap sediments of the St. Paul Waterway Mitigation Site.

COMMENCEMENT BAY

St. Paul Waterway Mitigation Site

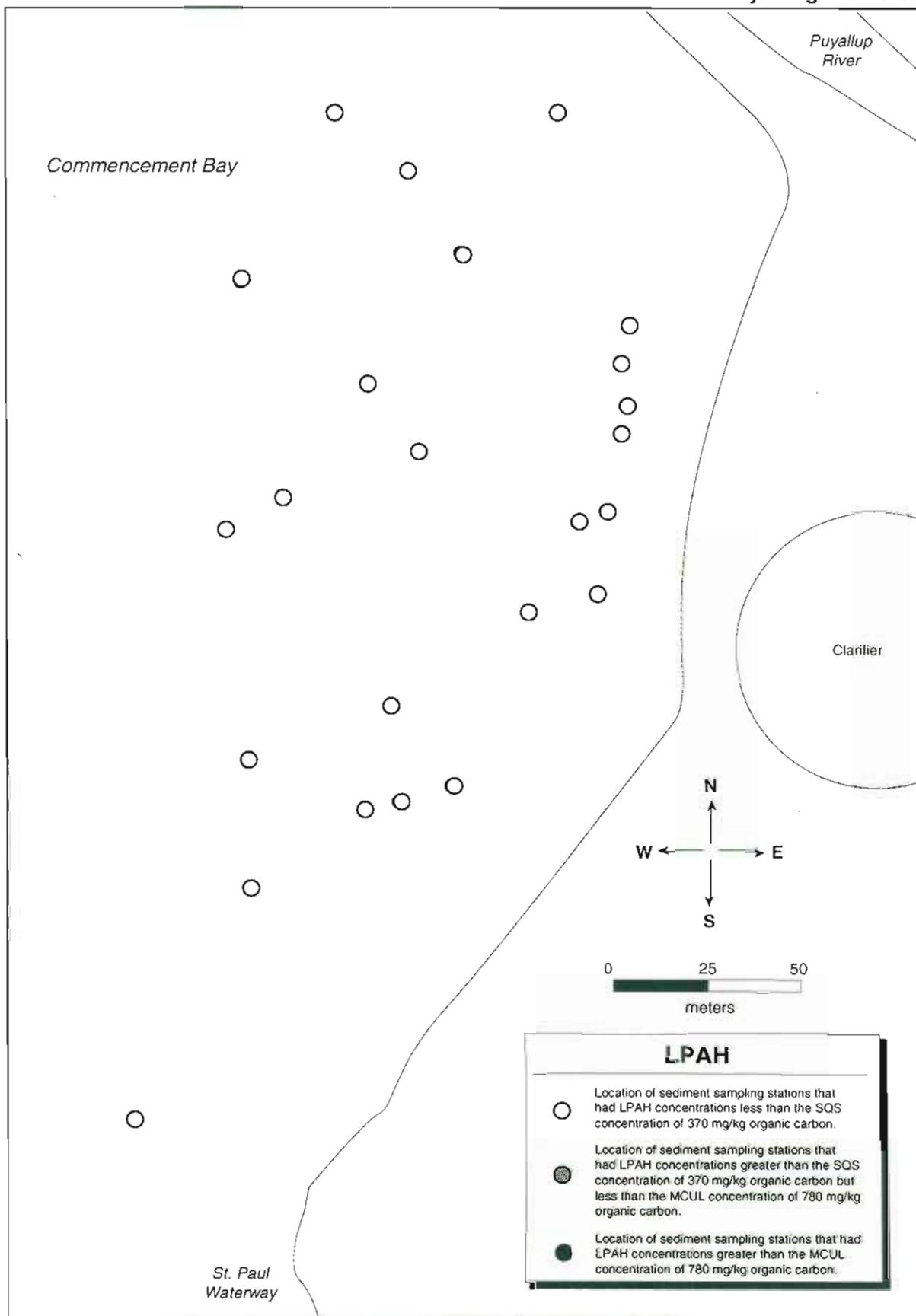


Figure A-61. Distribution of LPAH compounds in cap sediments of the St. Paul Waterway Mitigation Site.

COMMENCEMENT BAY

St. Paul Waterway Mitigation Site

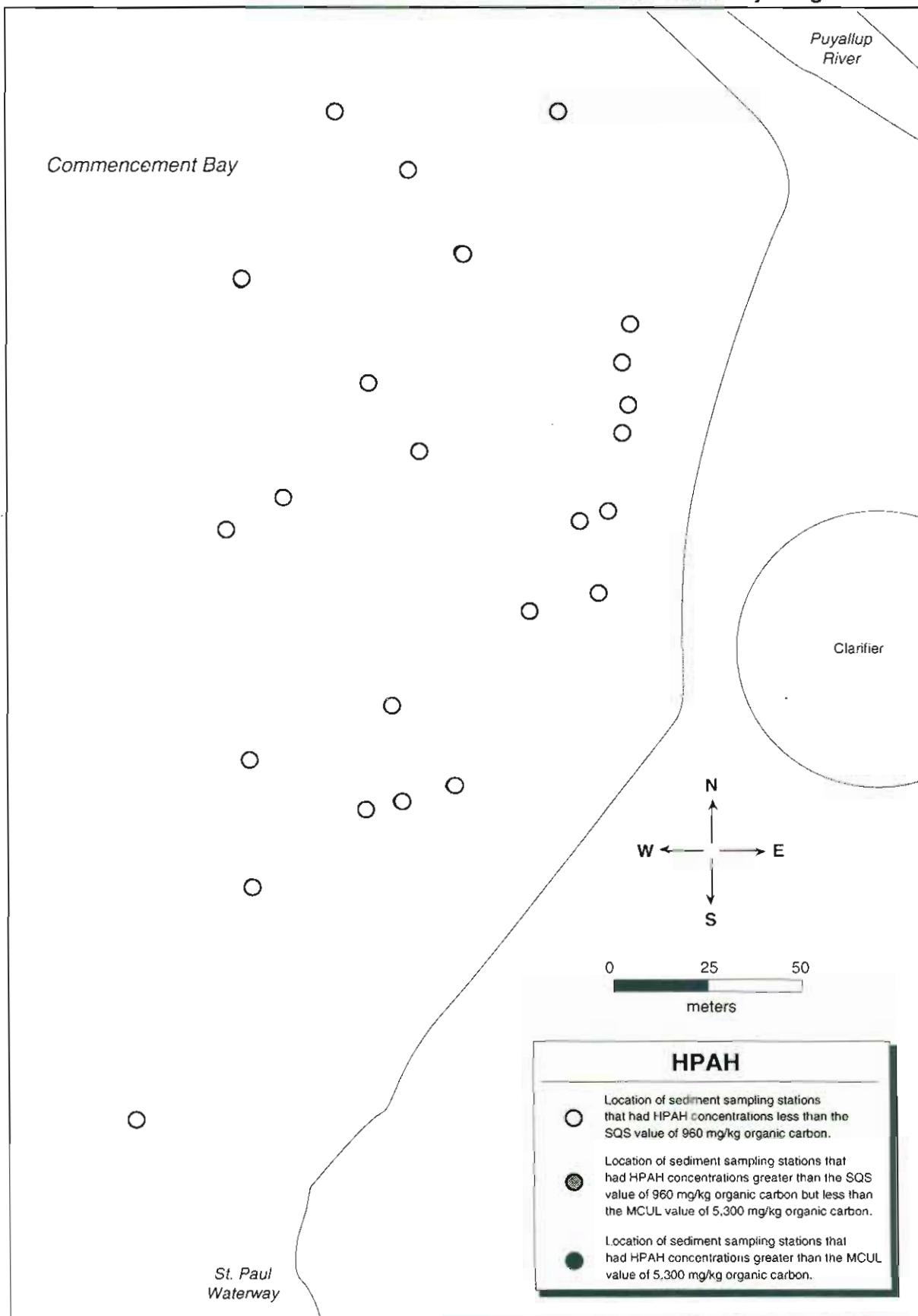


Figure A-62. Distribution of HPAH compounds in cap sediments of the St. Paul Waterway Mitigation Site.

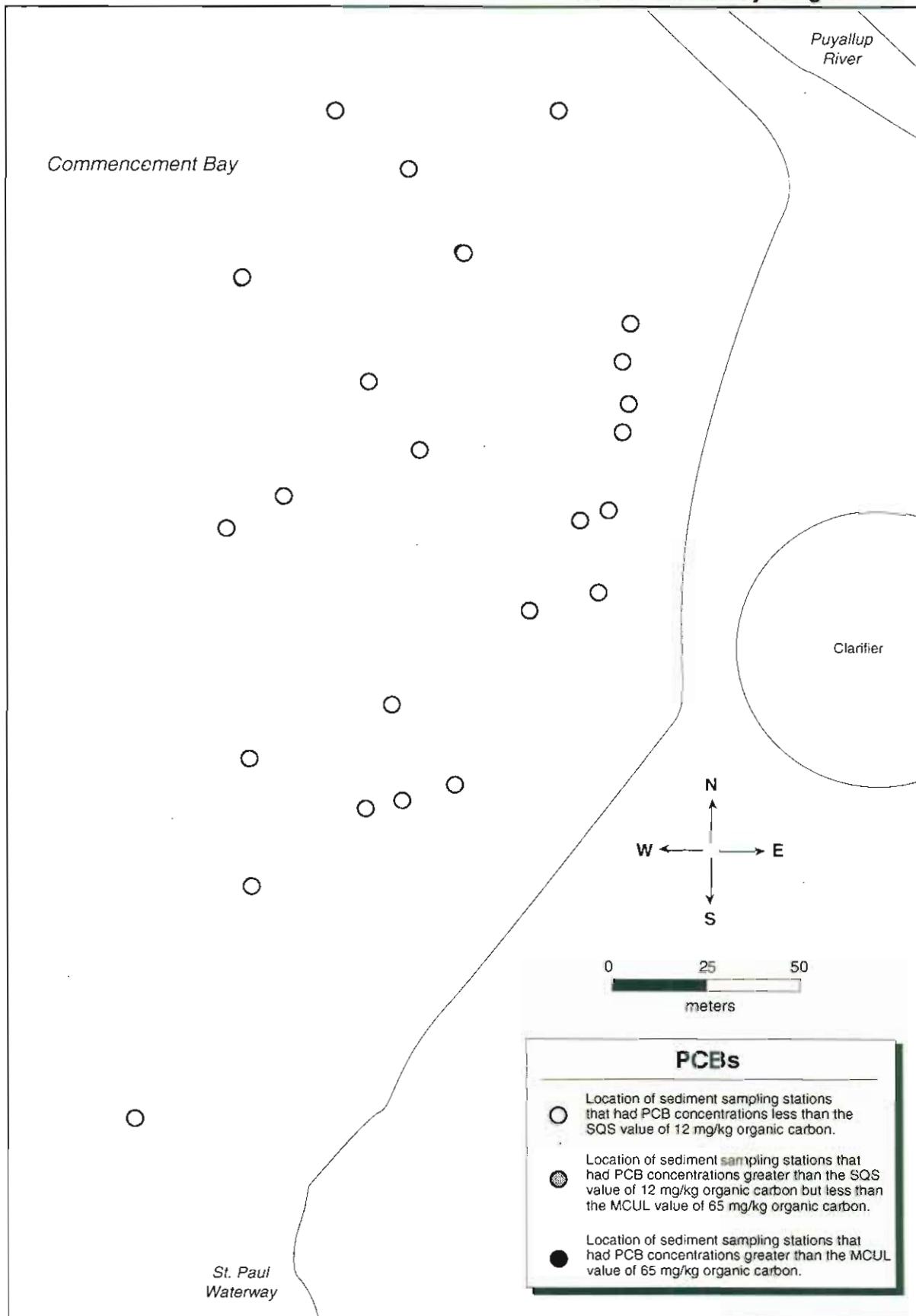


Figure A-63. Distribution of PCBs in cap sediments of the St. Paul Waterway Mitigation Site.

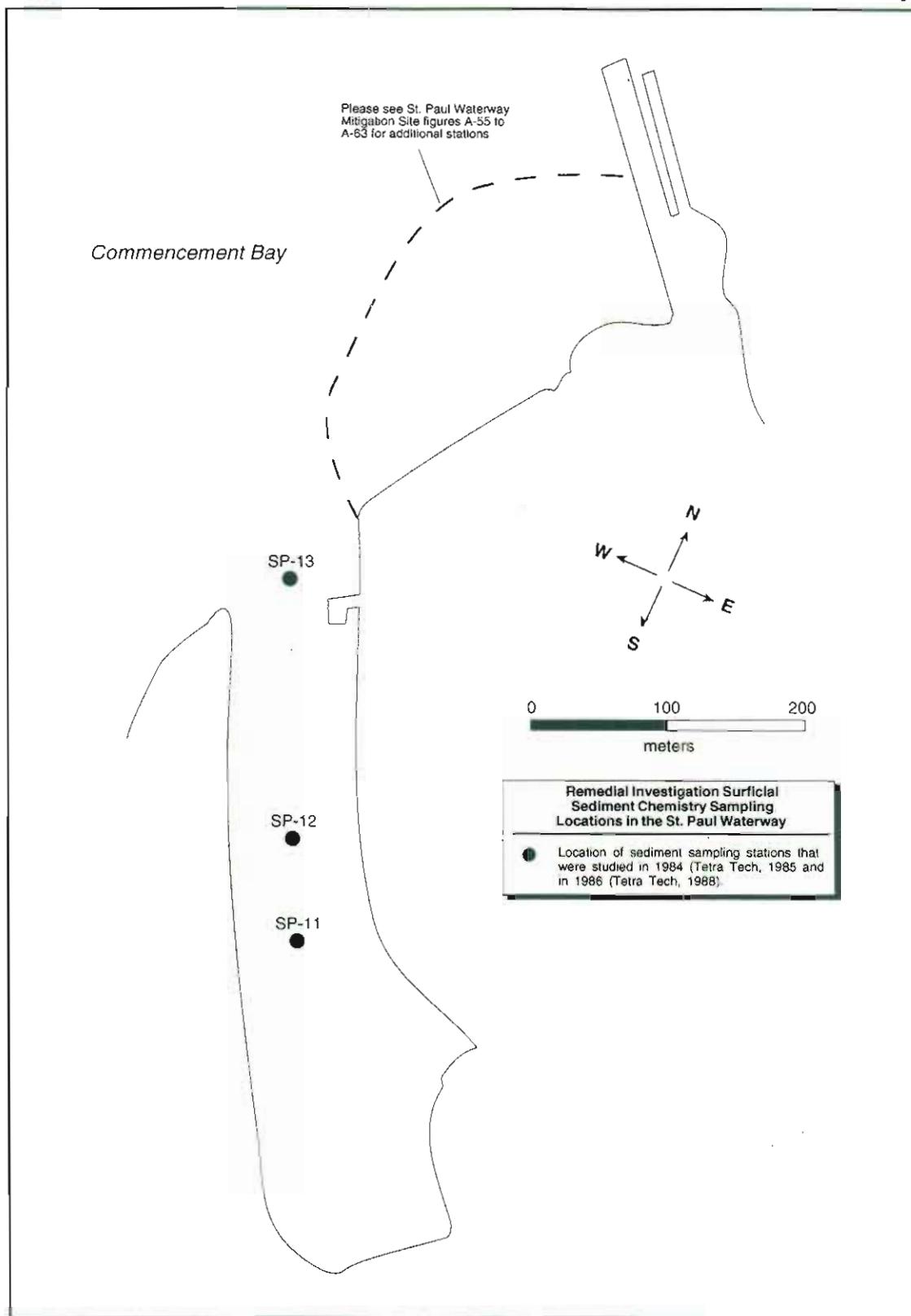


Figure A-64. Sediment sampling stations in the St. Paul Waterway.

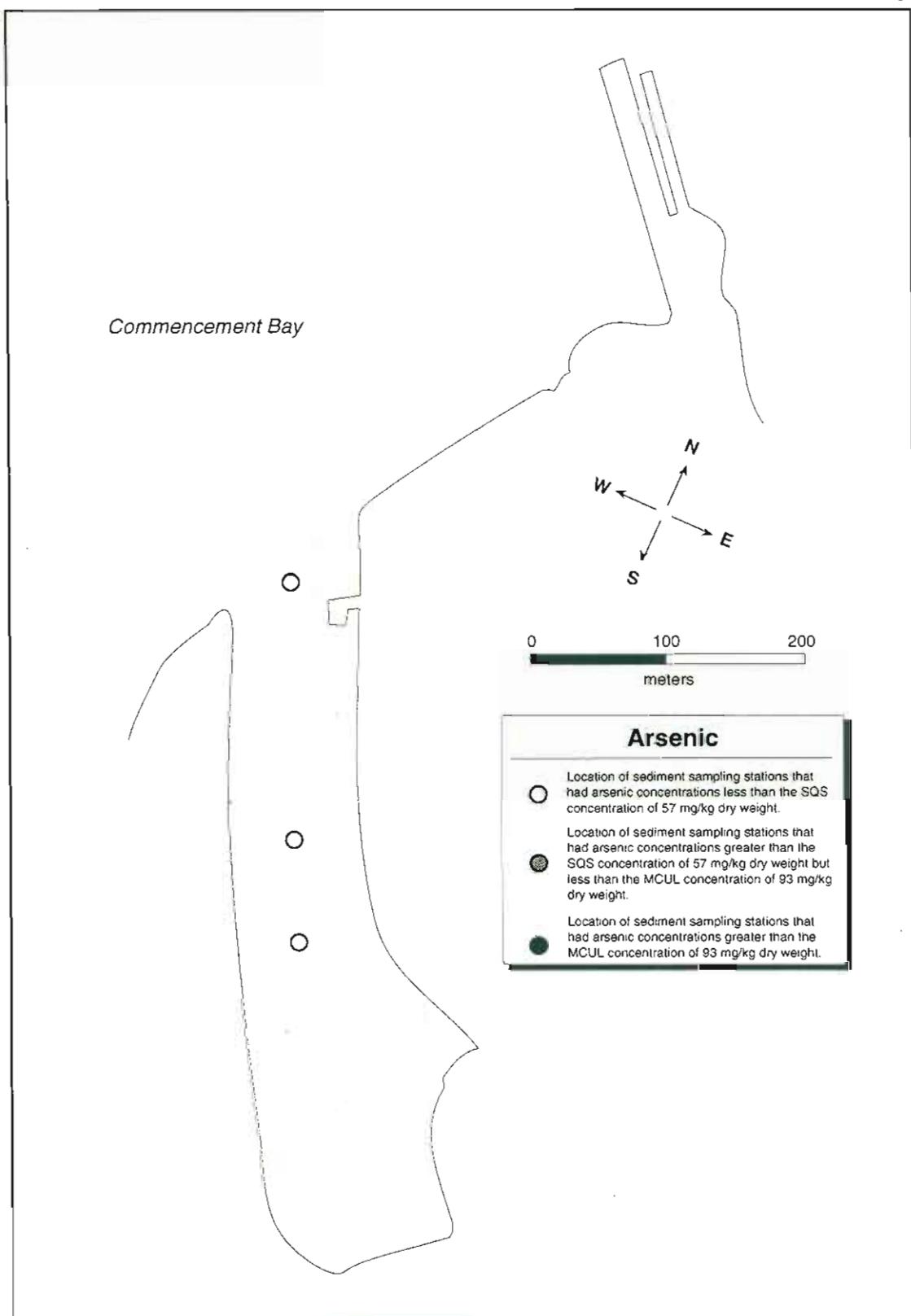


Figure A-65. Distribution of arsenic in sediments of the St. Paul Waterway.

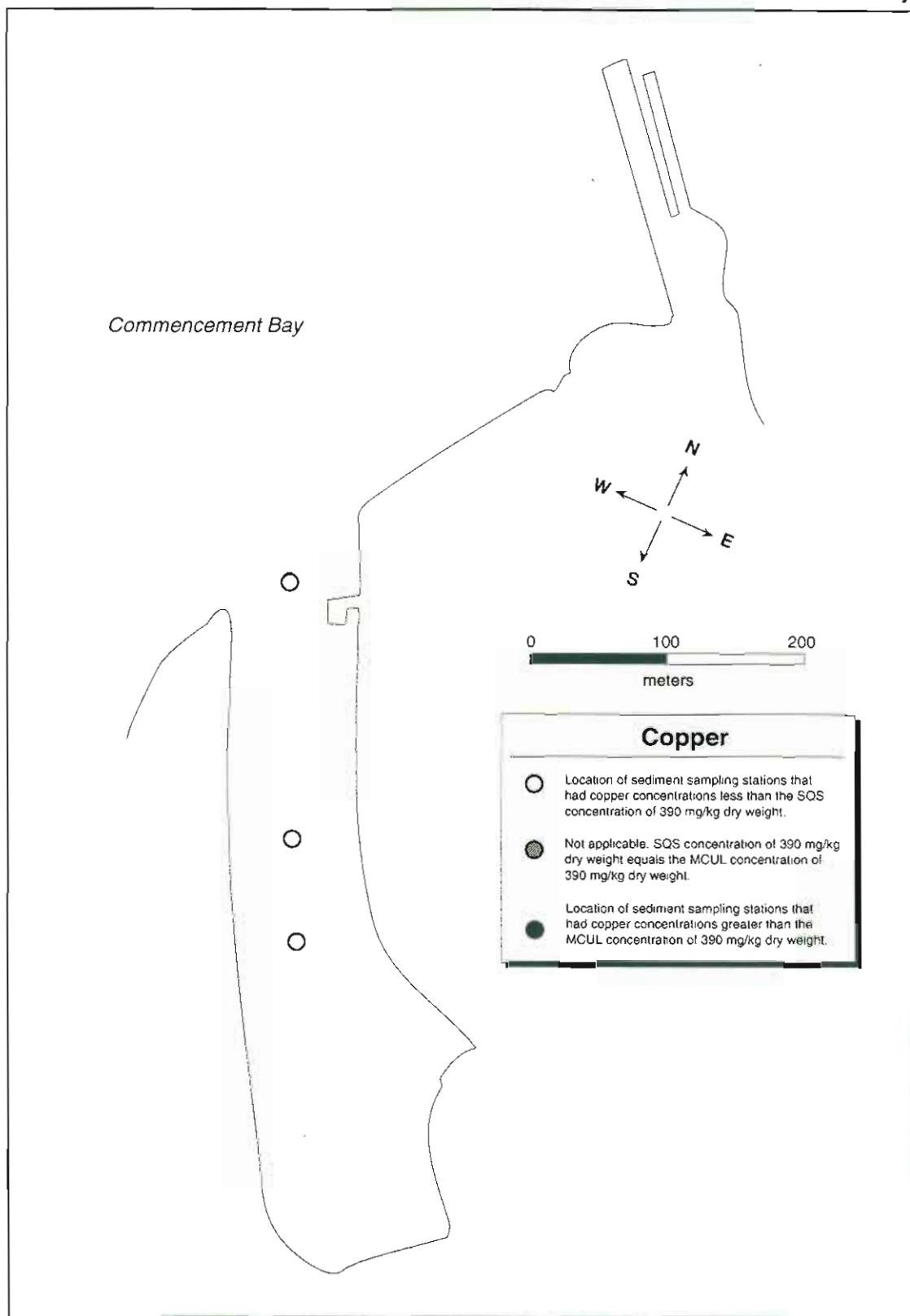


Figure A-66. Distribution of copper in sediments of the St. Paul Waterway.

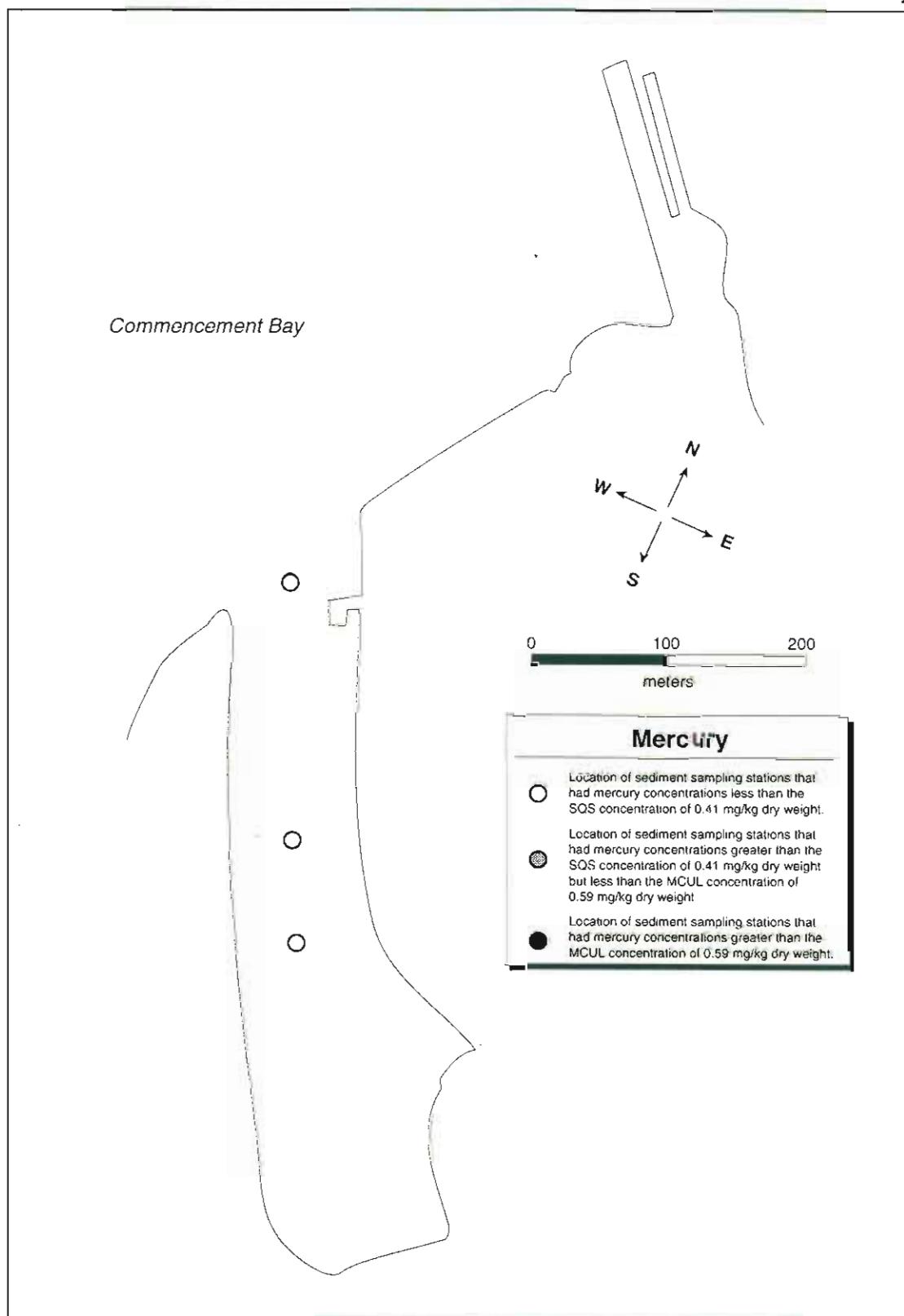


Figure A-67. Distribution of mercury in sediments of the St. Paul Waterway.

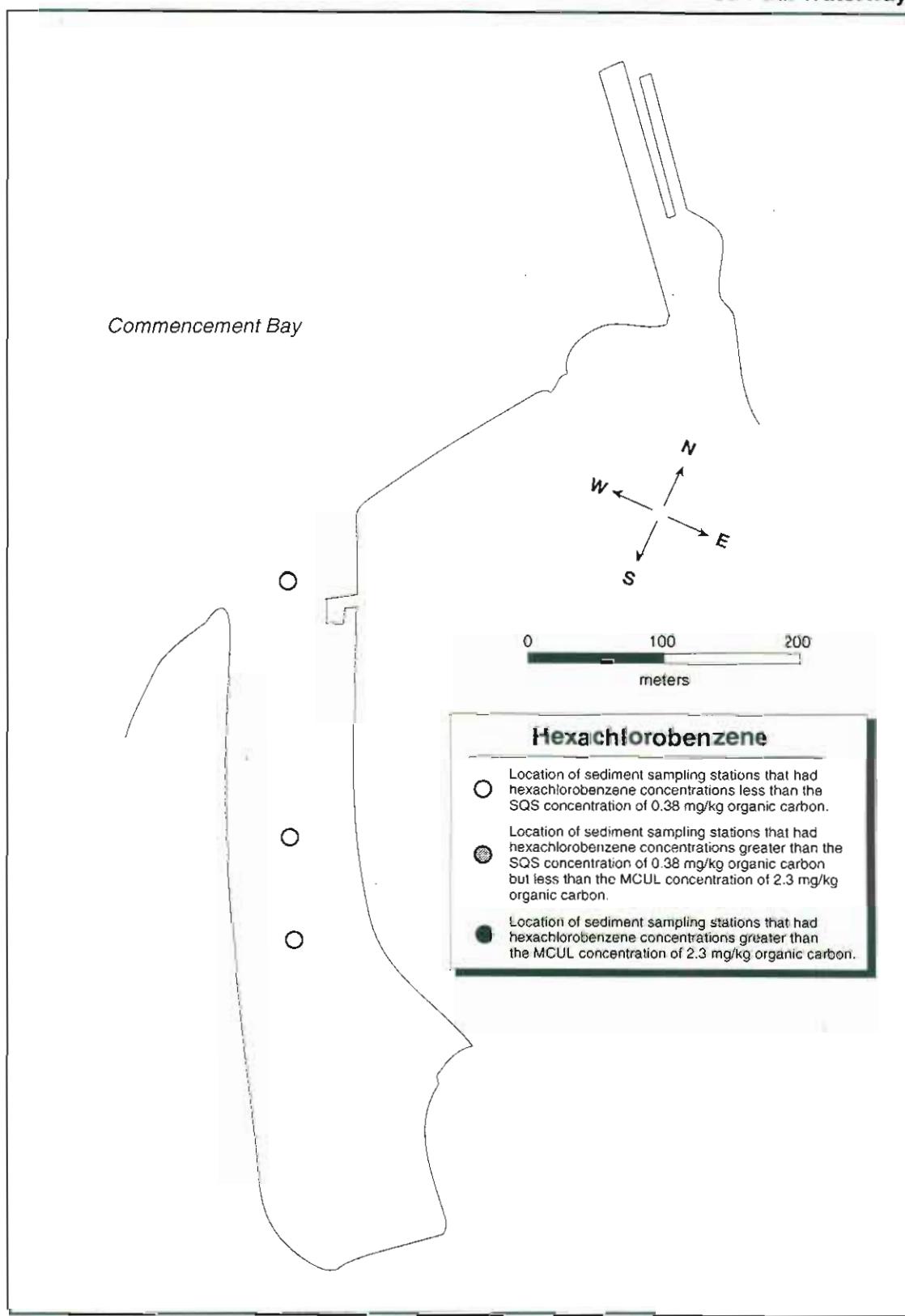


Figure A-68. Distribution of hexachlorobenzene in sediments of the St. Paul Waterway.

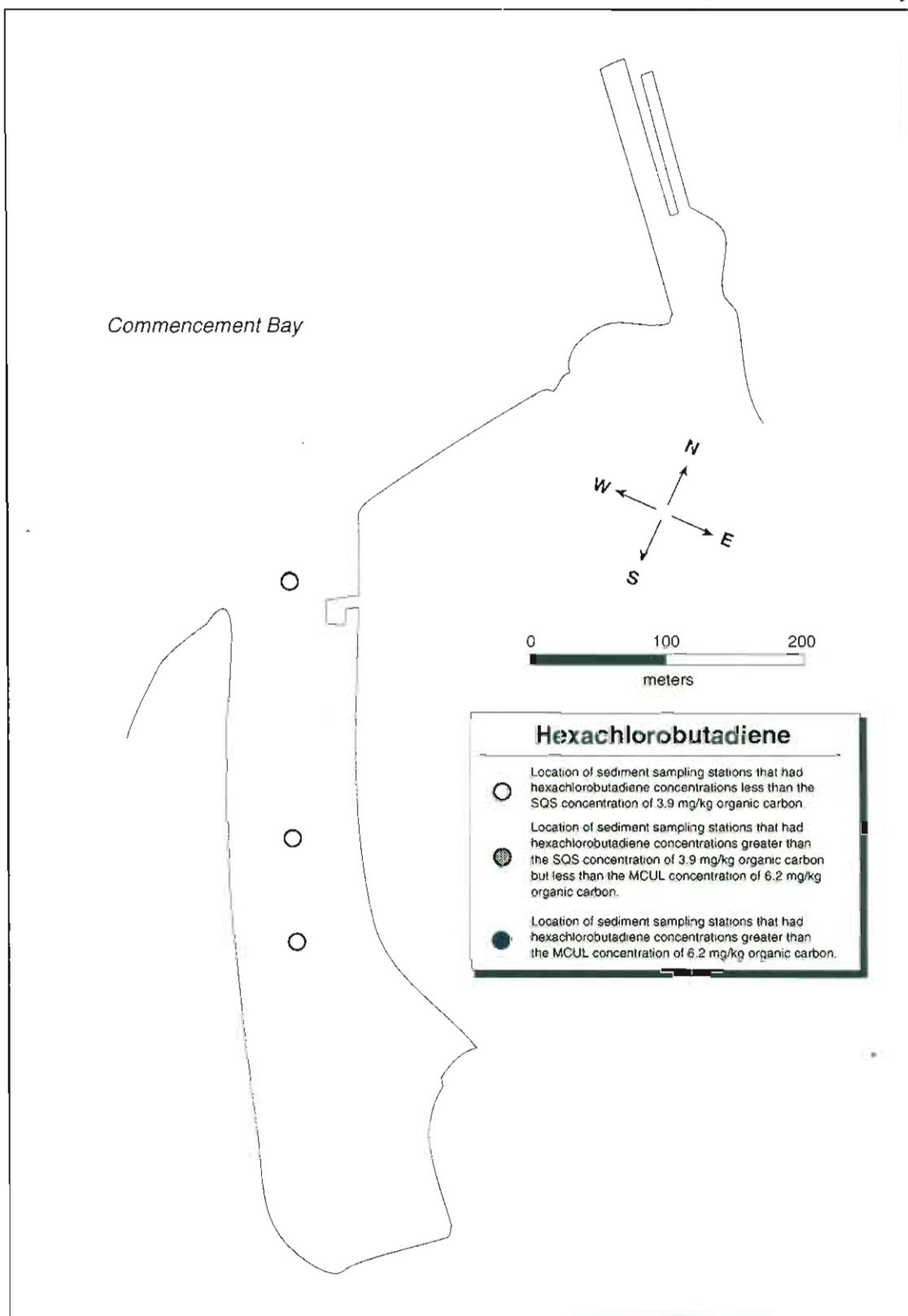


Figure A-69. Distribution of hexachlorobutadiene in sediments of the St. Paul Waterway.

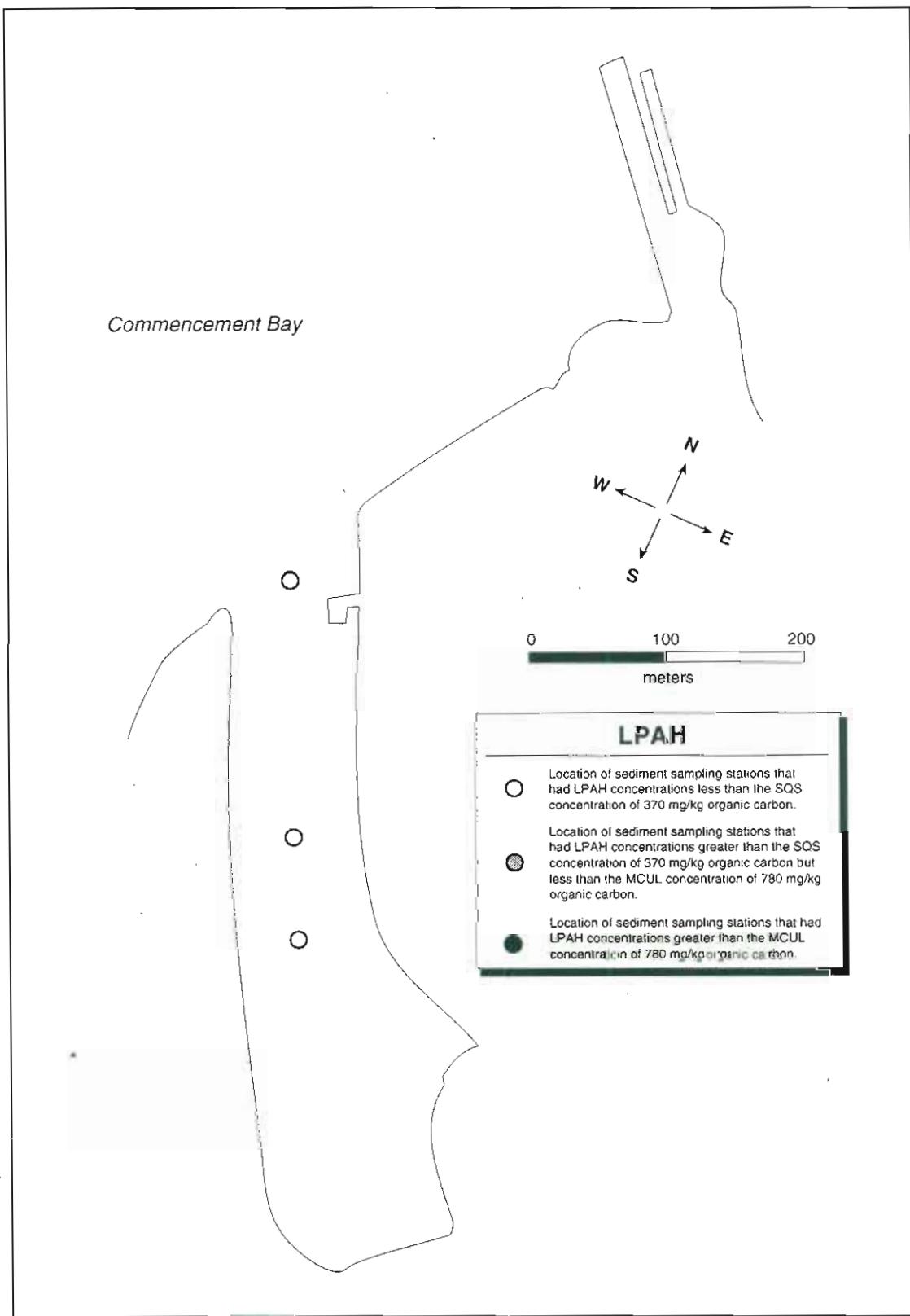


Figure A-70. Distribution of LPAH compounds in sediments of the St. Paul Waterway.

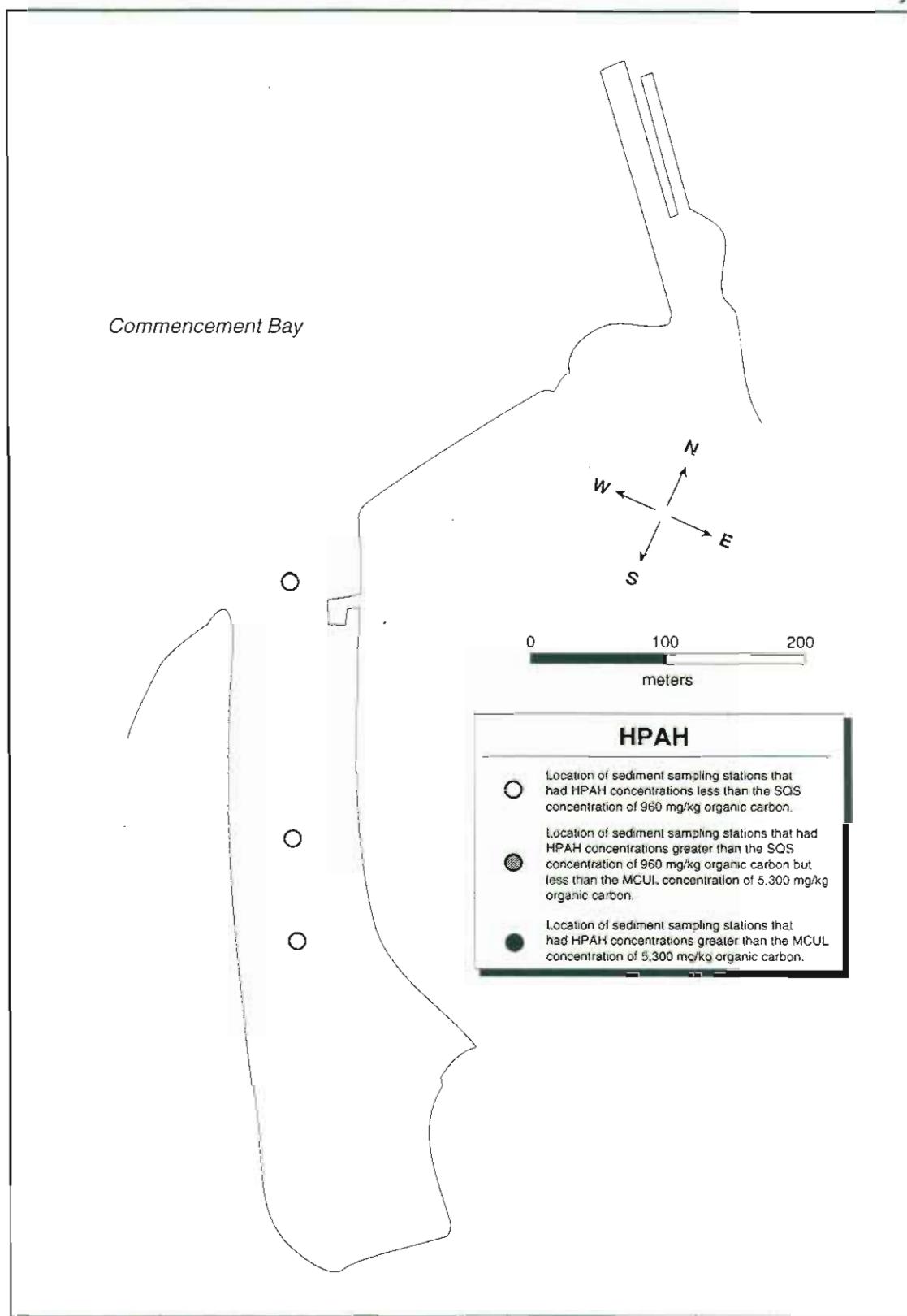


Figure A-71. Distribution of HPAH compounds in sediments of the St. Paul Waterway.

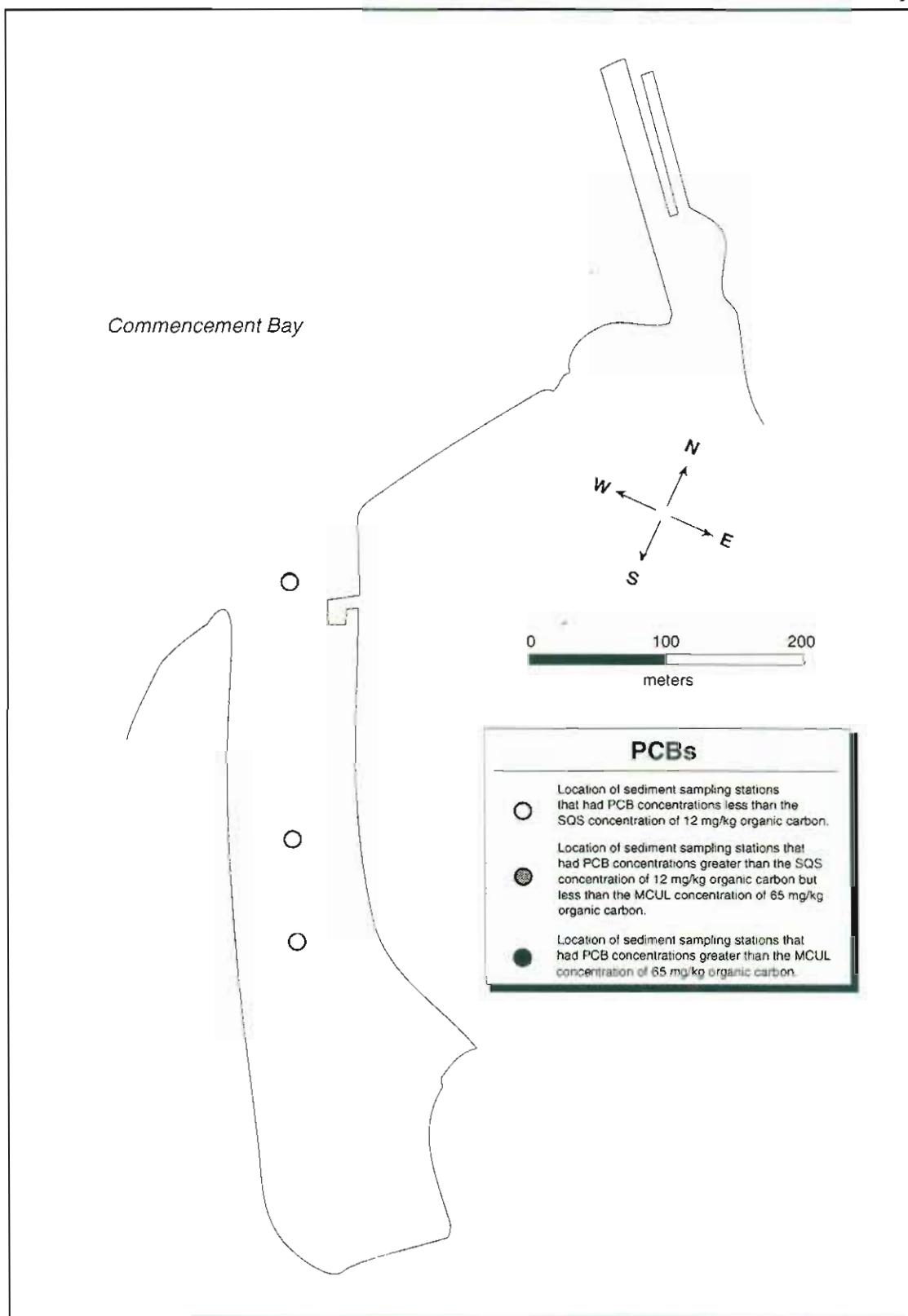


Figure A-72. Distribution of PCBs in sediments of the St. Paul Waterway.

COMMENCEMENT BAY

Middle Waterway

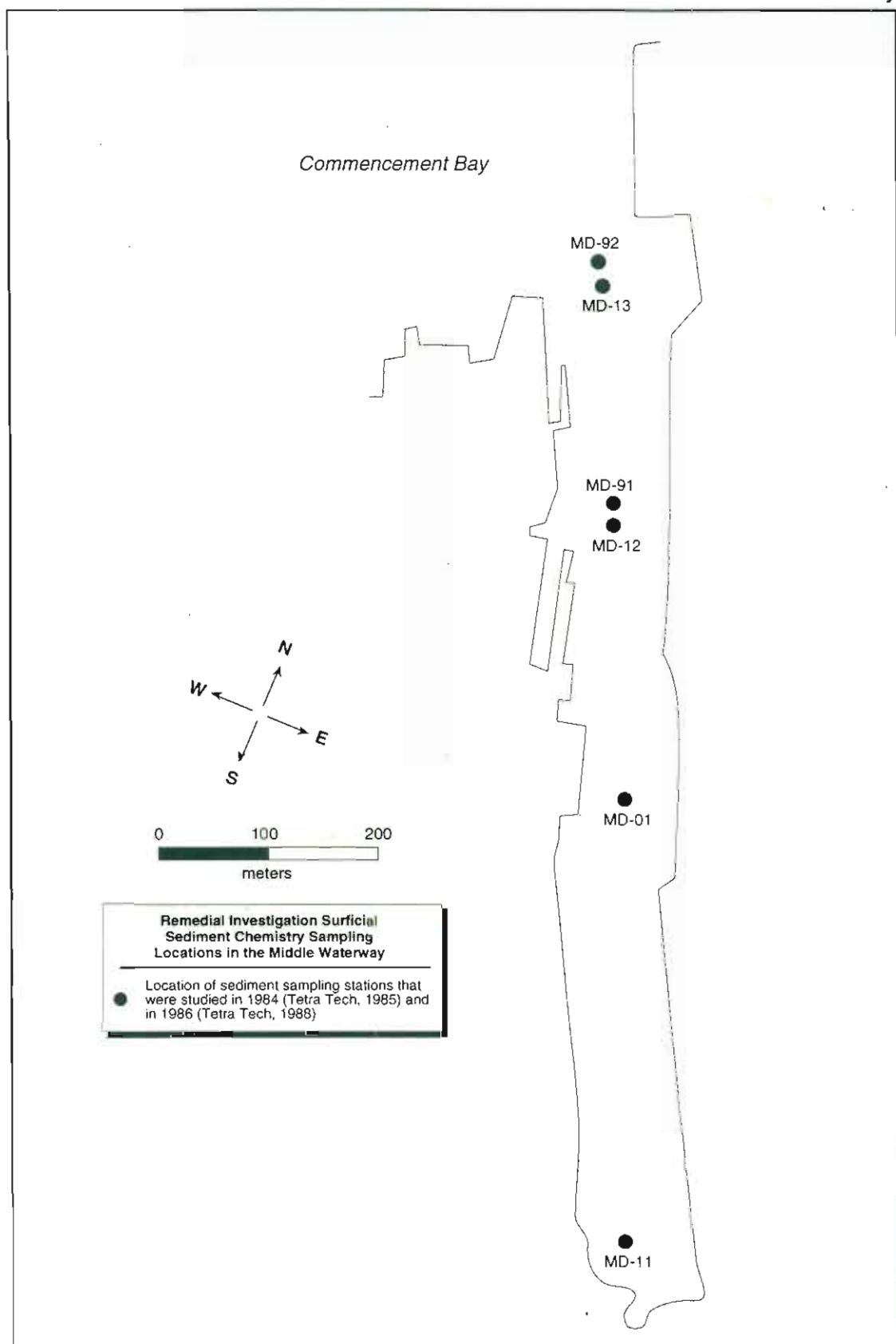


Figure A-73. Sediment sampling stations in the Middle Waterway.

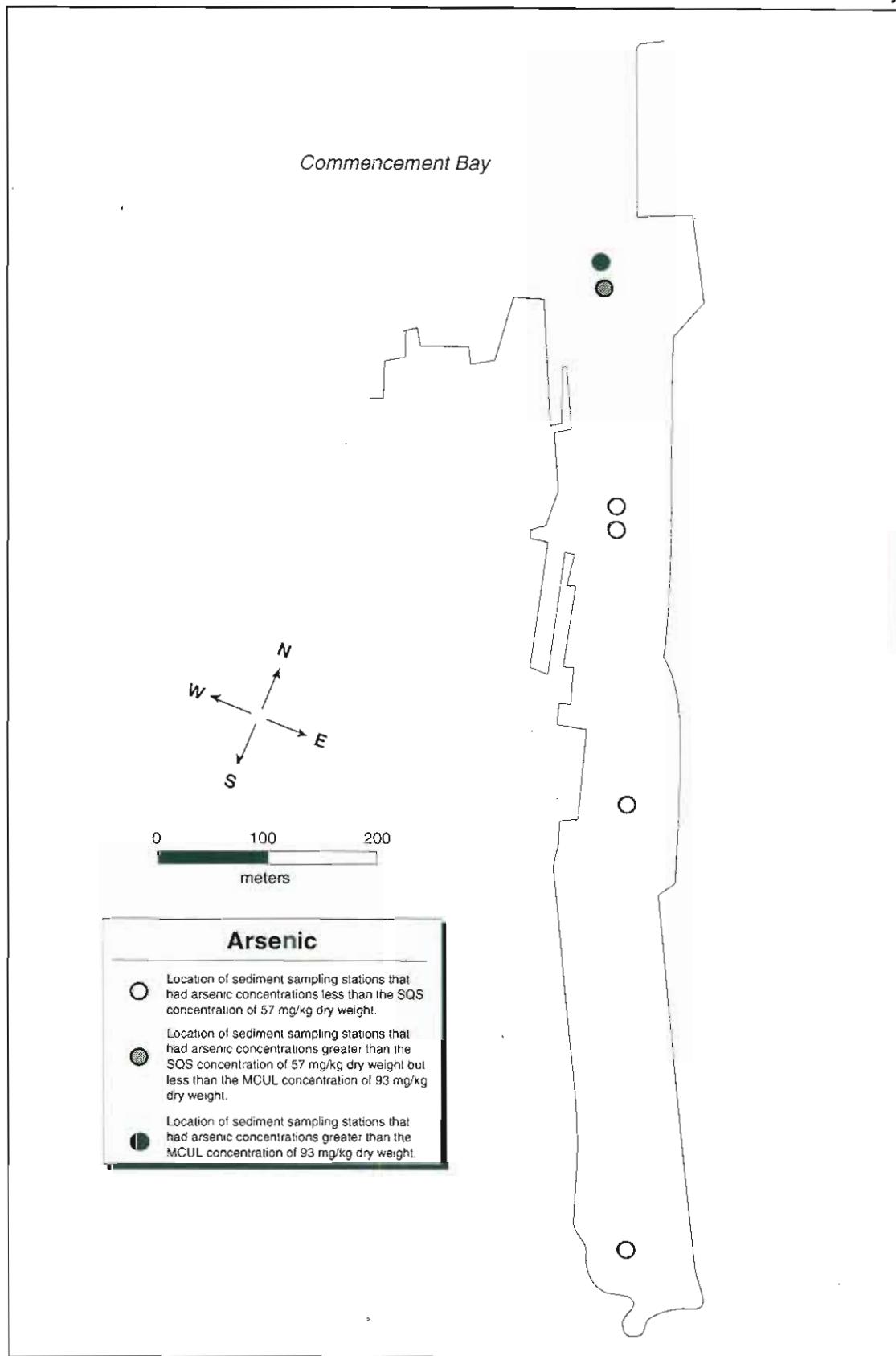


Figure A-74. Distribution of arsenic in sediments of the Middle Waterway.

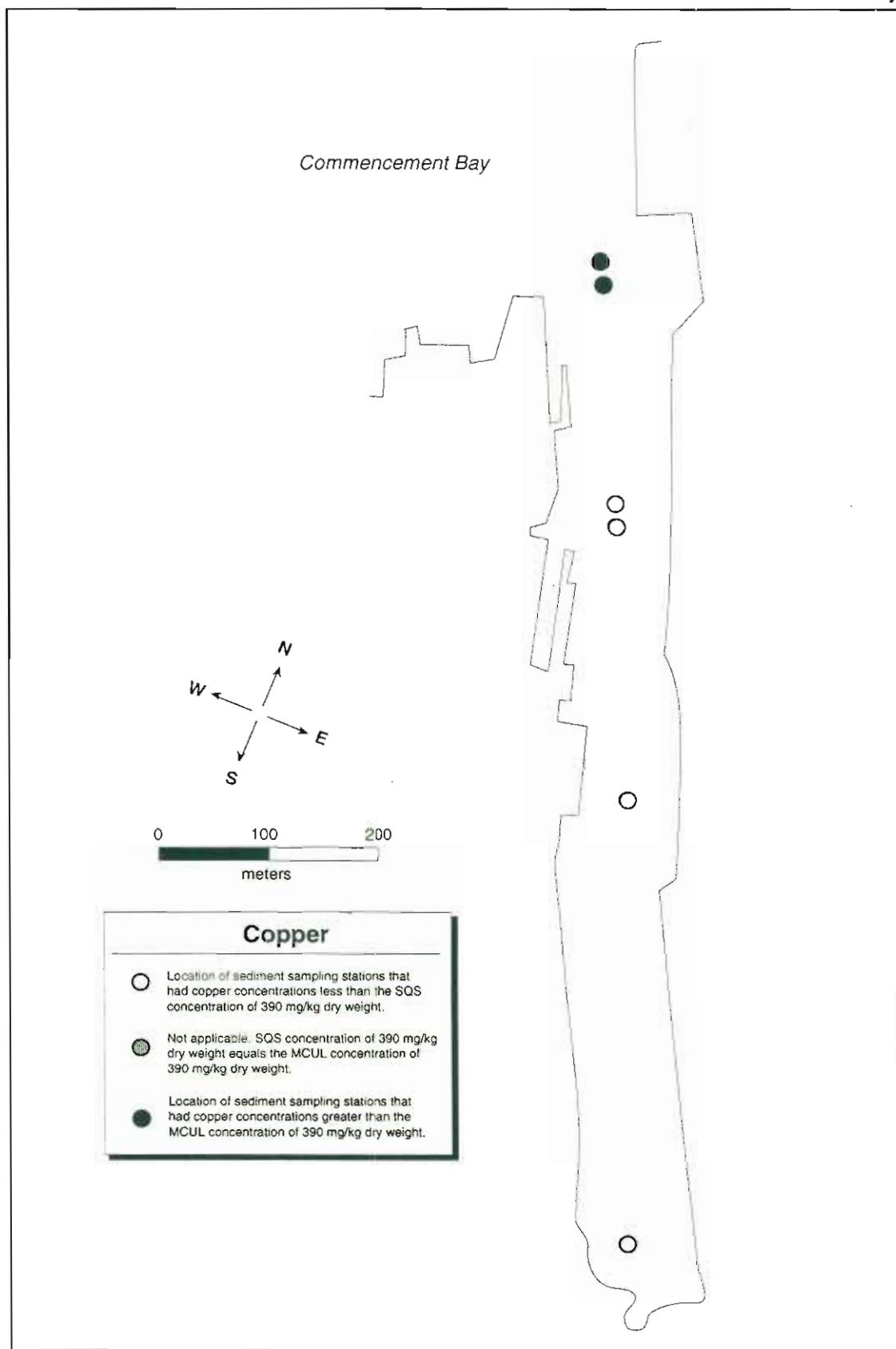


Figure A-75. Distribution of copper in sediments of the Middle Waterway.

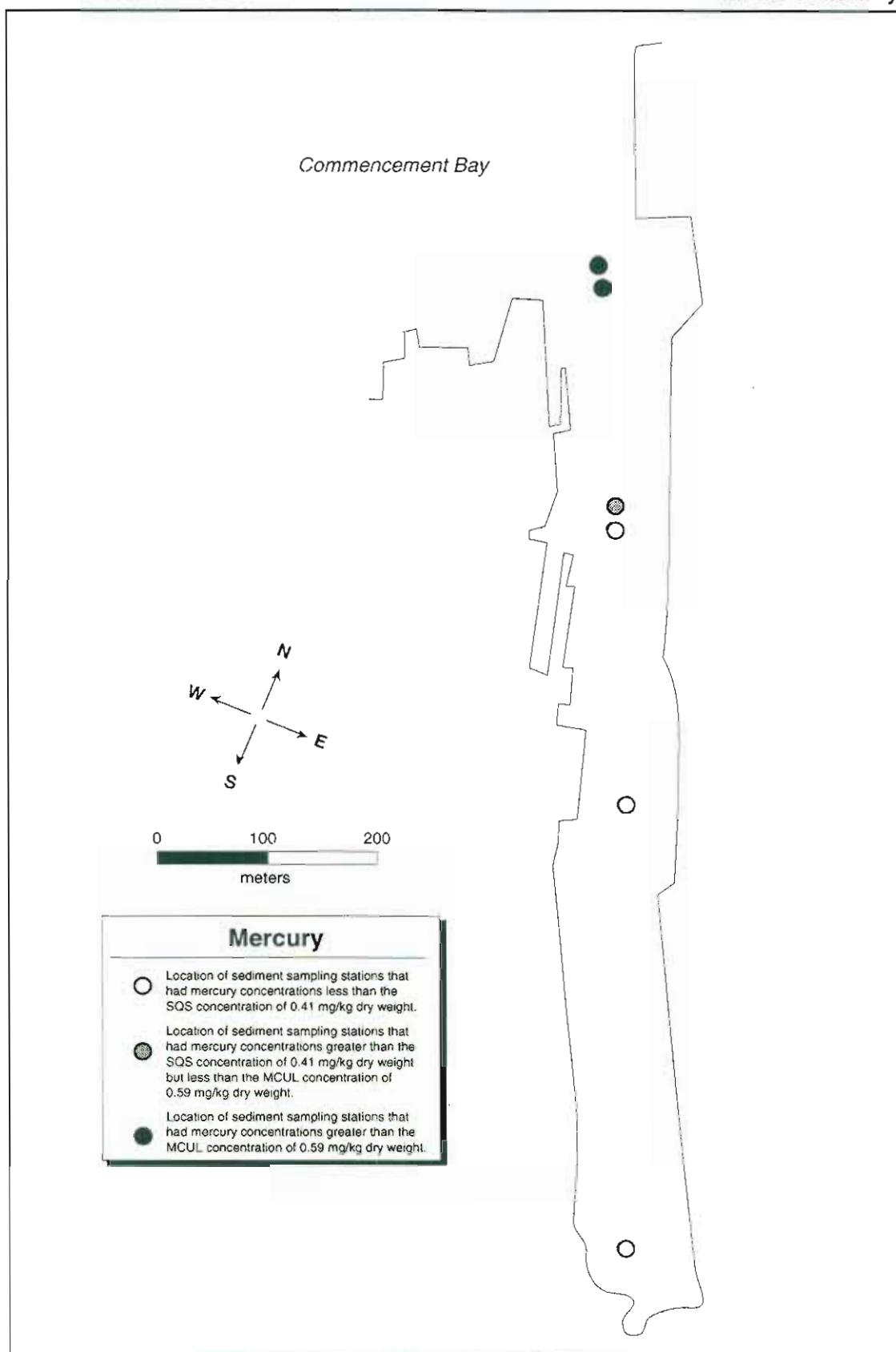


Figure A-76. Distribution of mercury in sediments of the Middle Waterway.

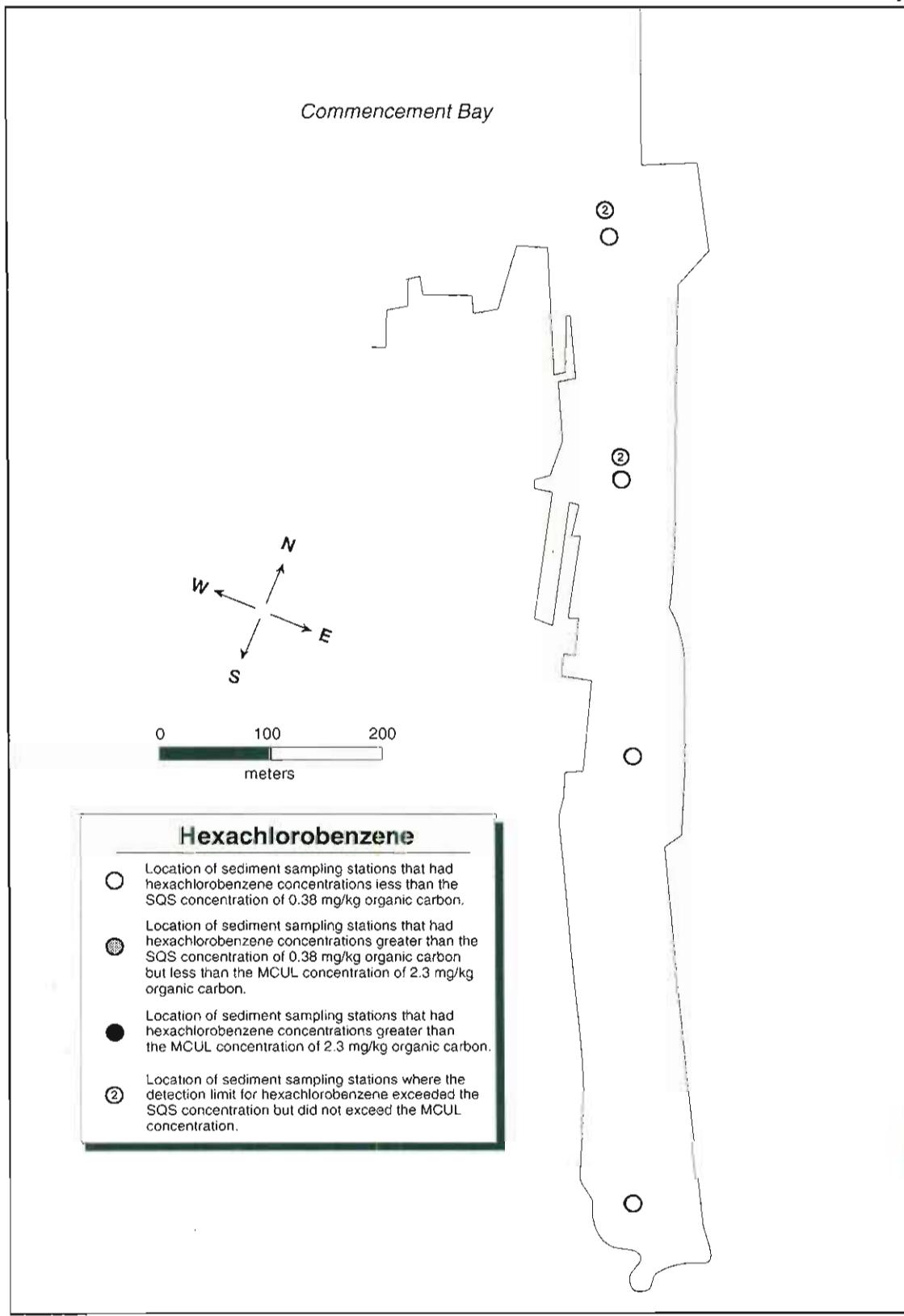


Figure A-77. Distribution of hexachlorobenzene in sediments of the Middle Waterway.

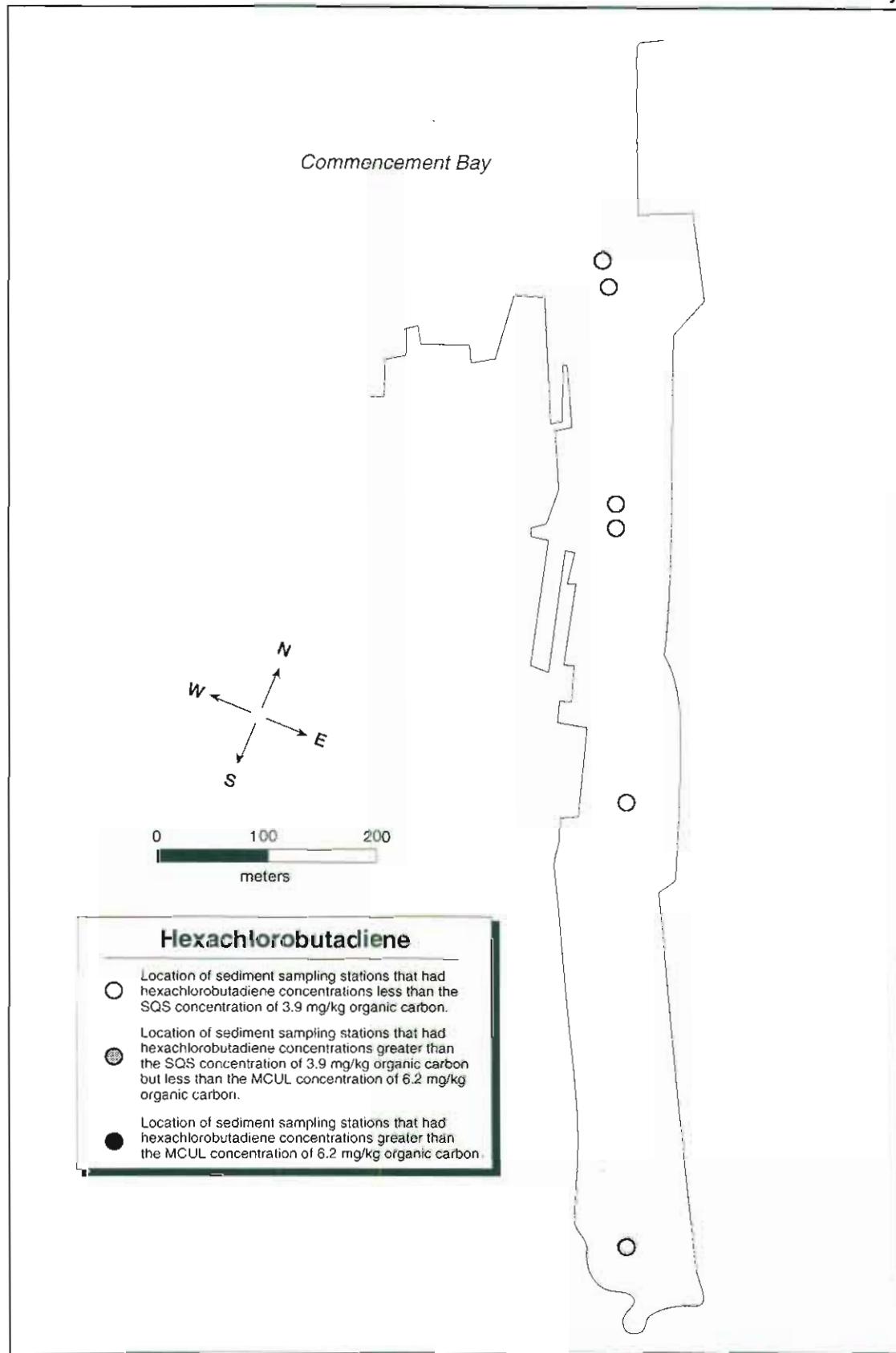


Figure A-78. Distribution of hexachlorobutadiene in sediments of the Middle Waterway.

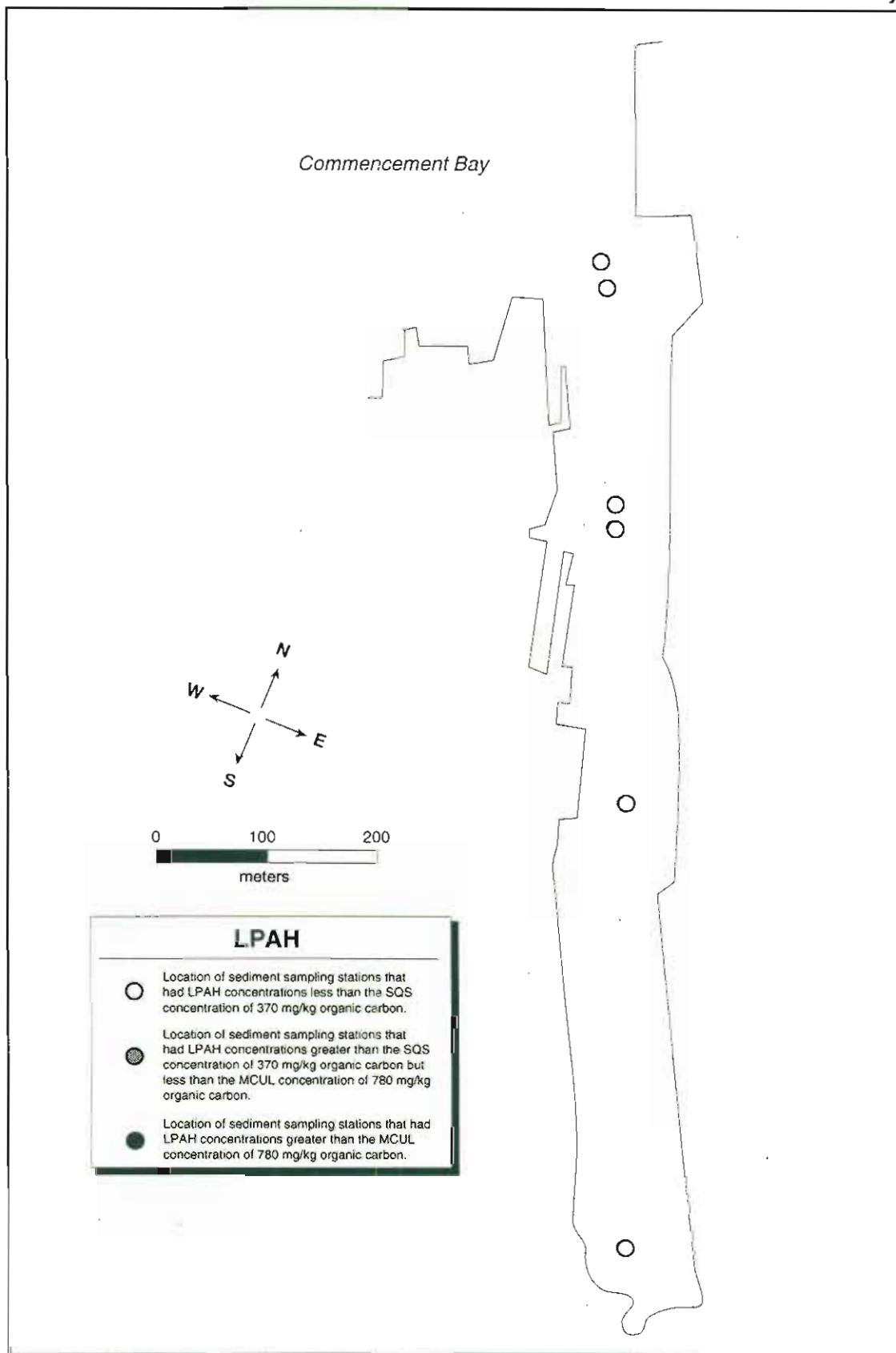


Figure A-79. Distribution of LPAH compounds in sediments of the Middle Waterway.

COMMENCEMENT BAY

Middle Waterway

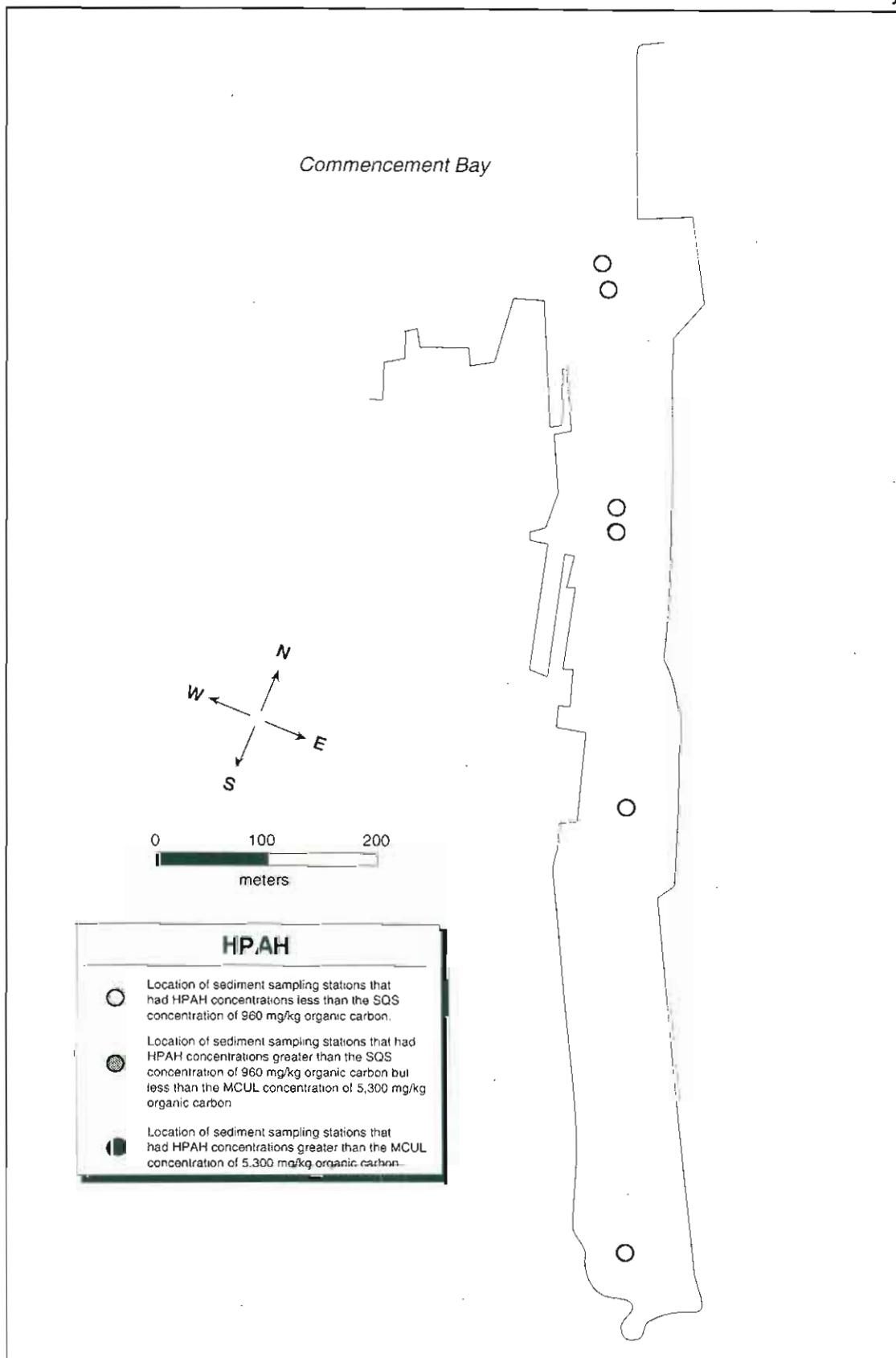


Figure A-80. Distribution of HPAH compounds in sediments of the Middle Waterway.

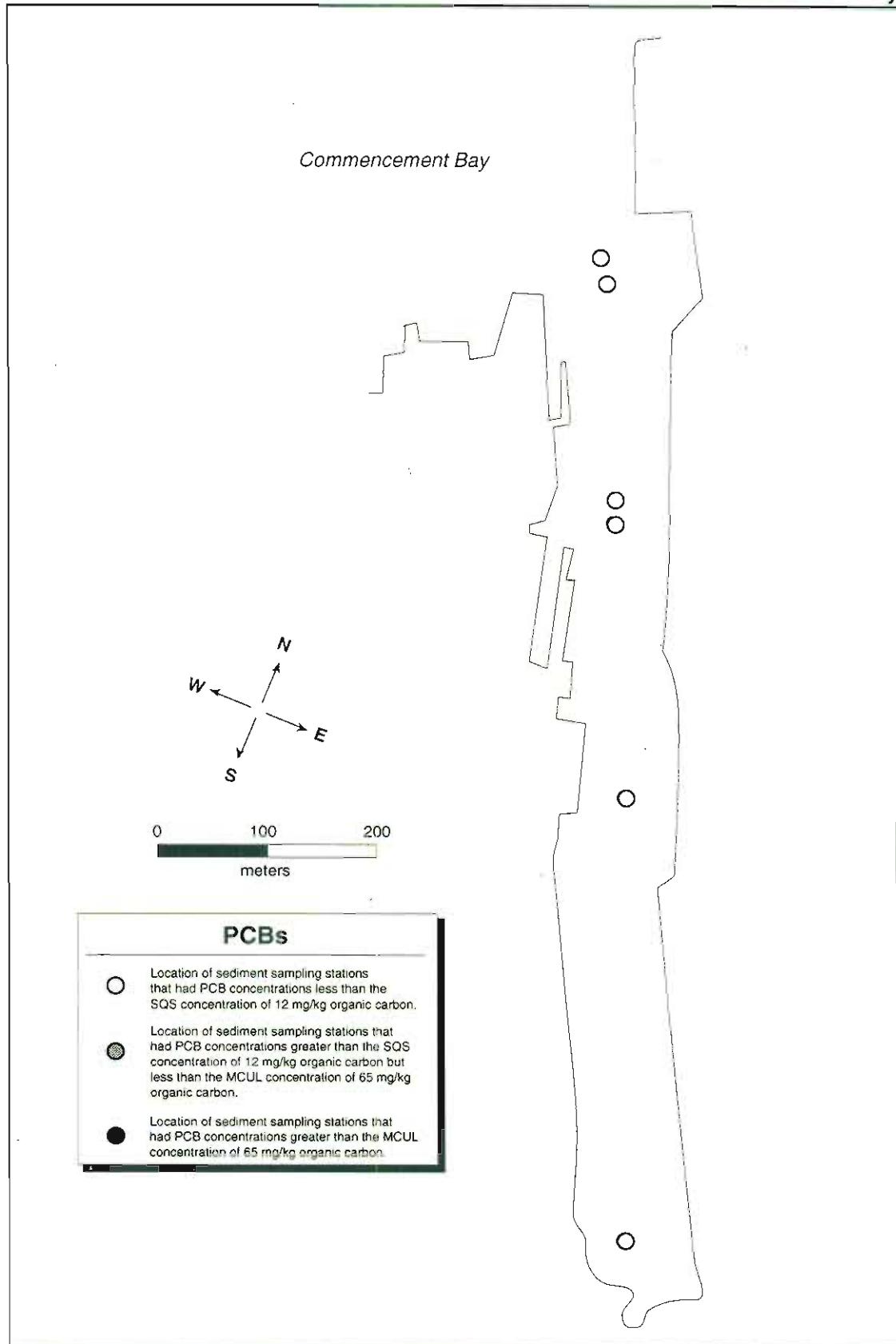


Figure A-81. Distribution of PCBs in sediments of the Middle Waterway.

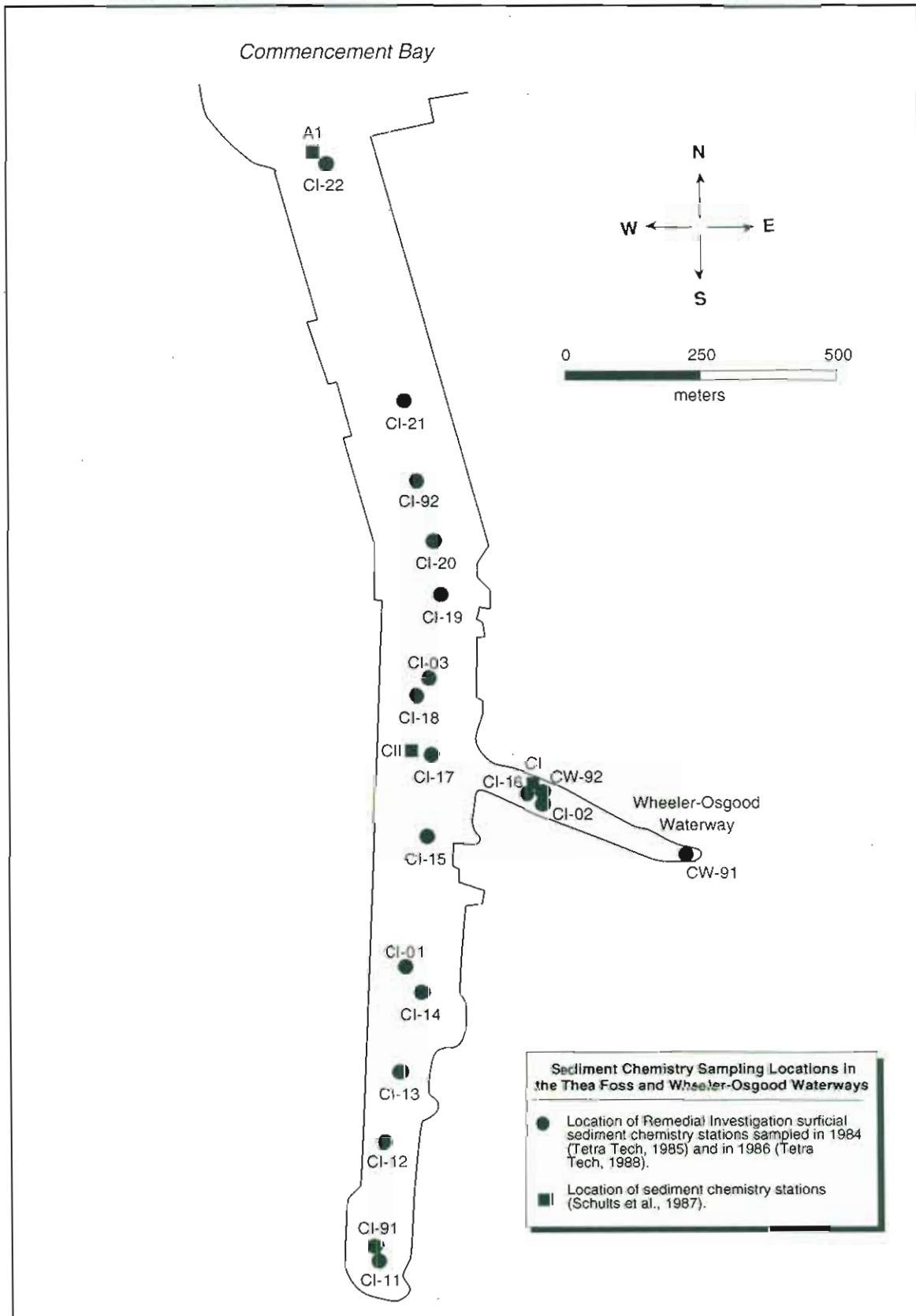


Figure A-82. Sediment sampling stations in the Thea Foss and Wheeler-Osgood Waterways.

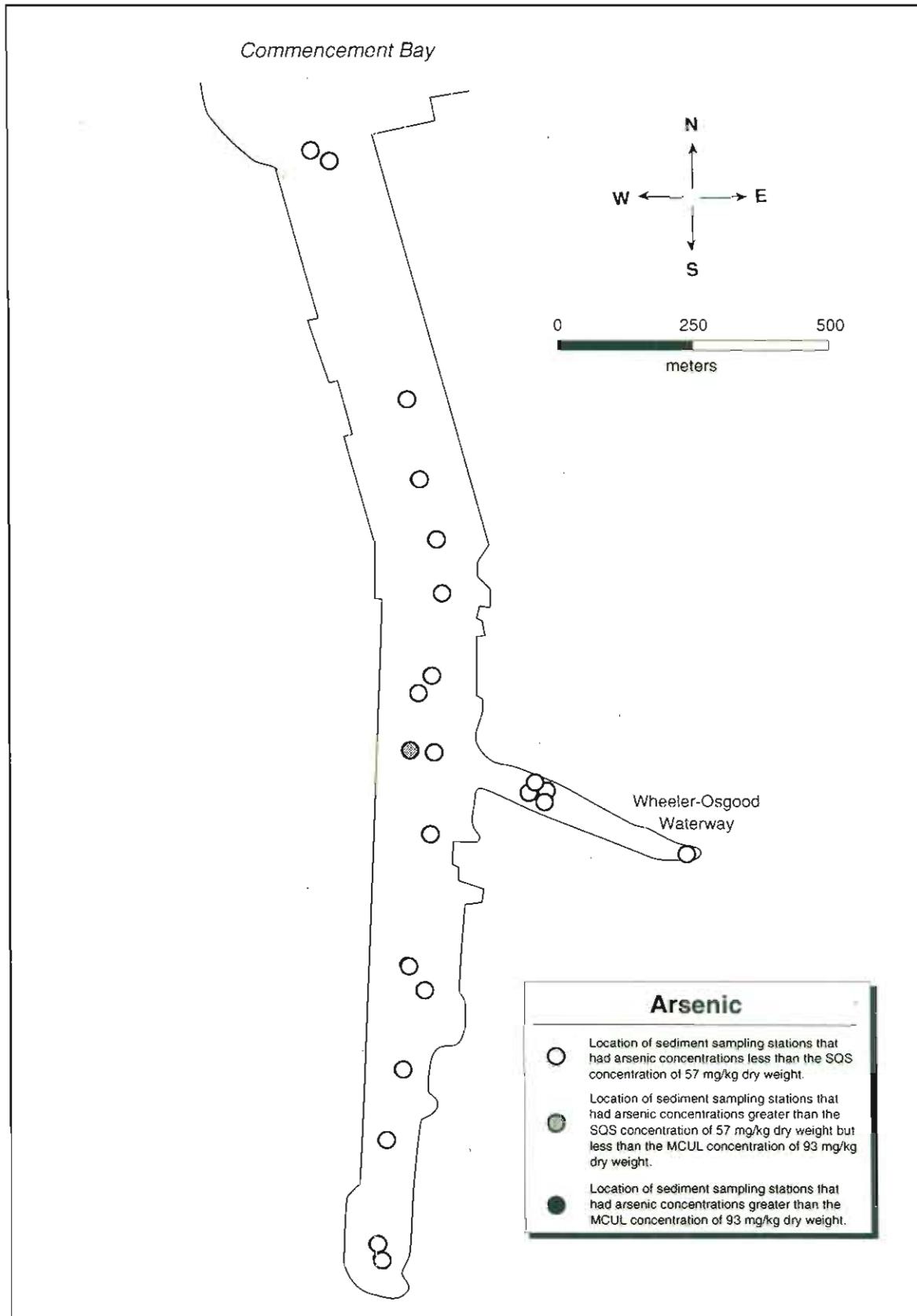


Figure A-83. Distribution of arsenic in sediments of the Thea Foss and Wheeler-Osgood Waterways.

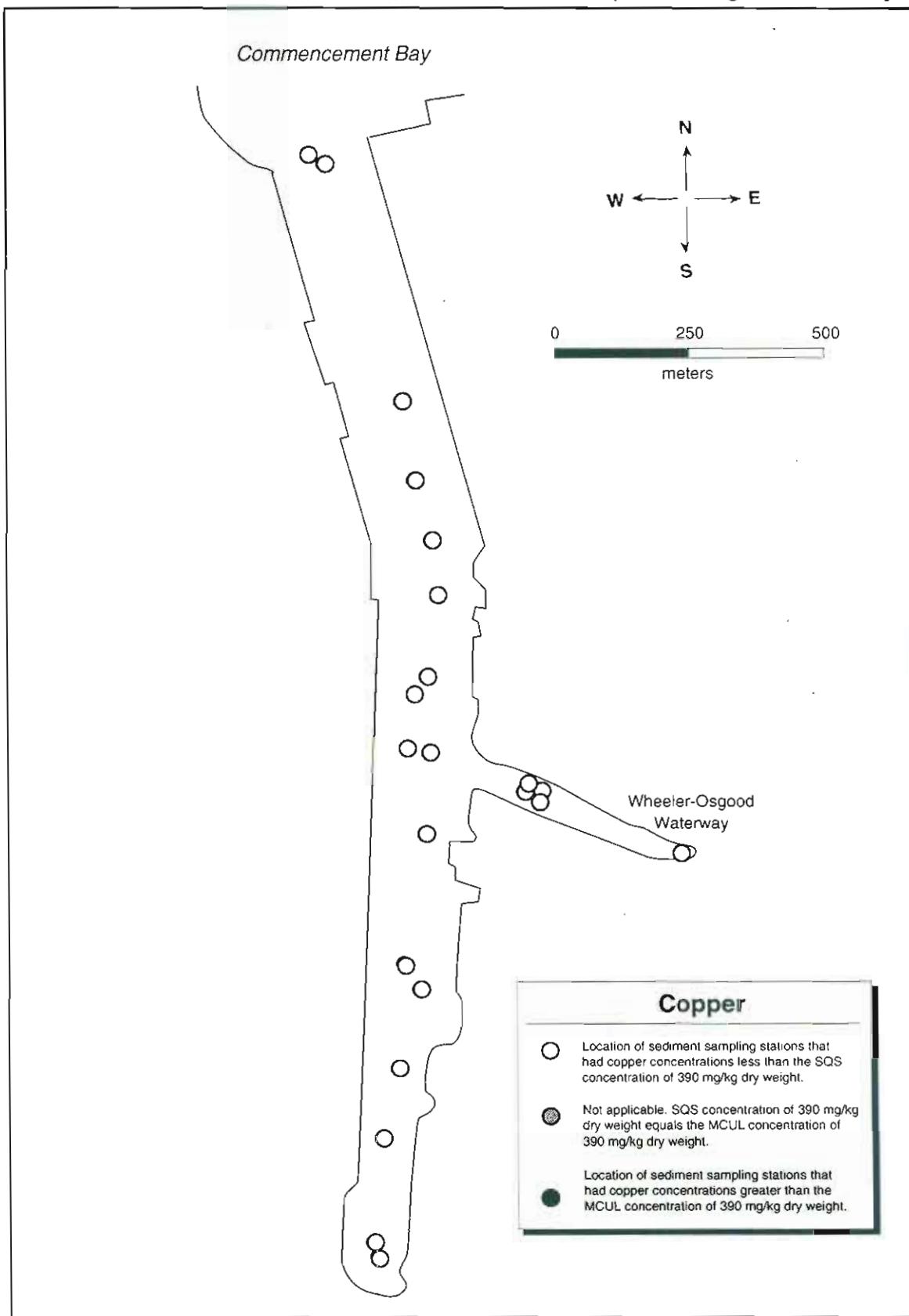


Figure A-84. Distribution of copper in sediments of the Thea Foss and Wheeler-Osgood Waterways.

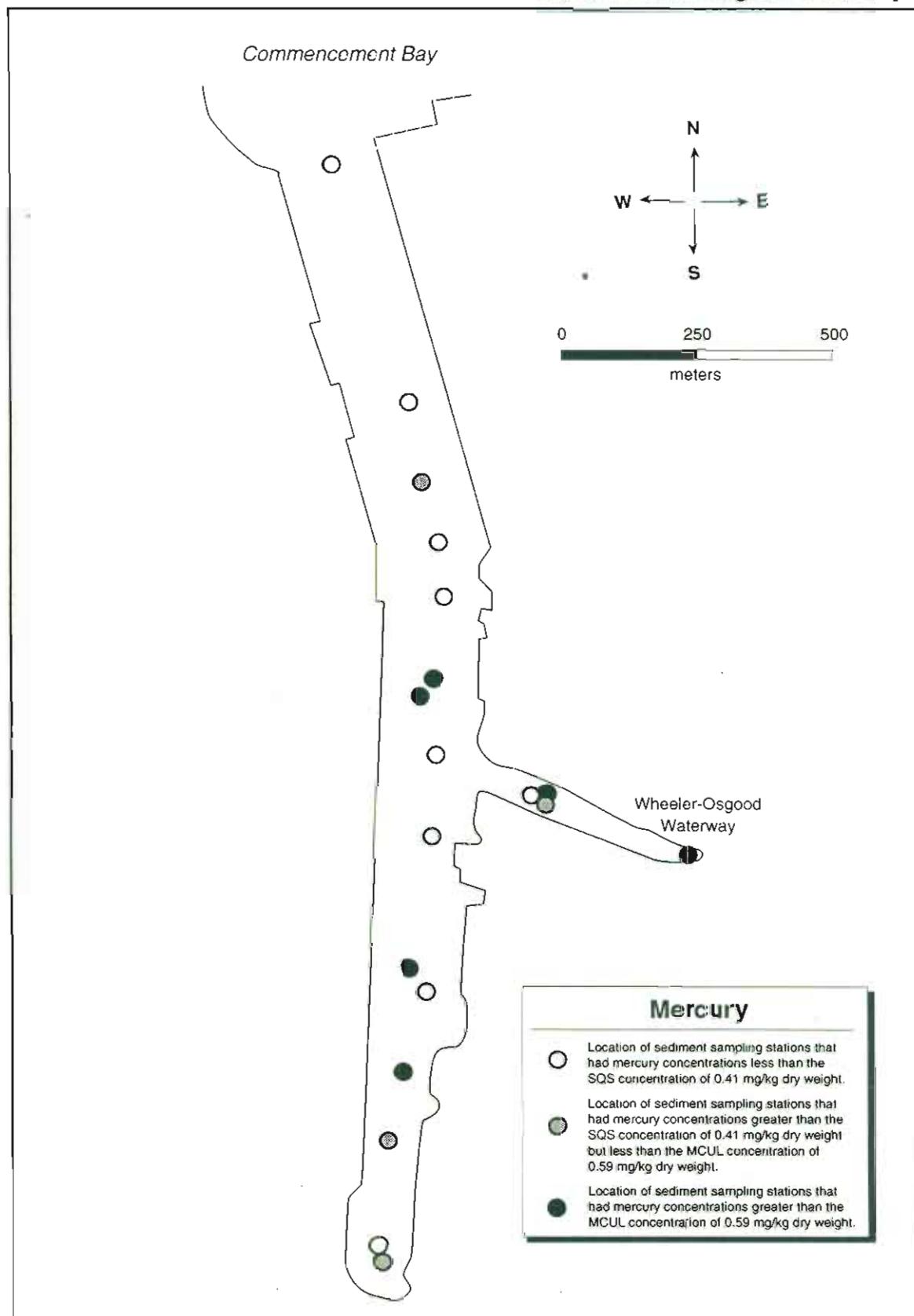


Figure A-85. Distribution of mercury in sediments of the Thea Foss and Wheeler-Osgood Waterways.

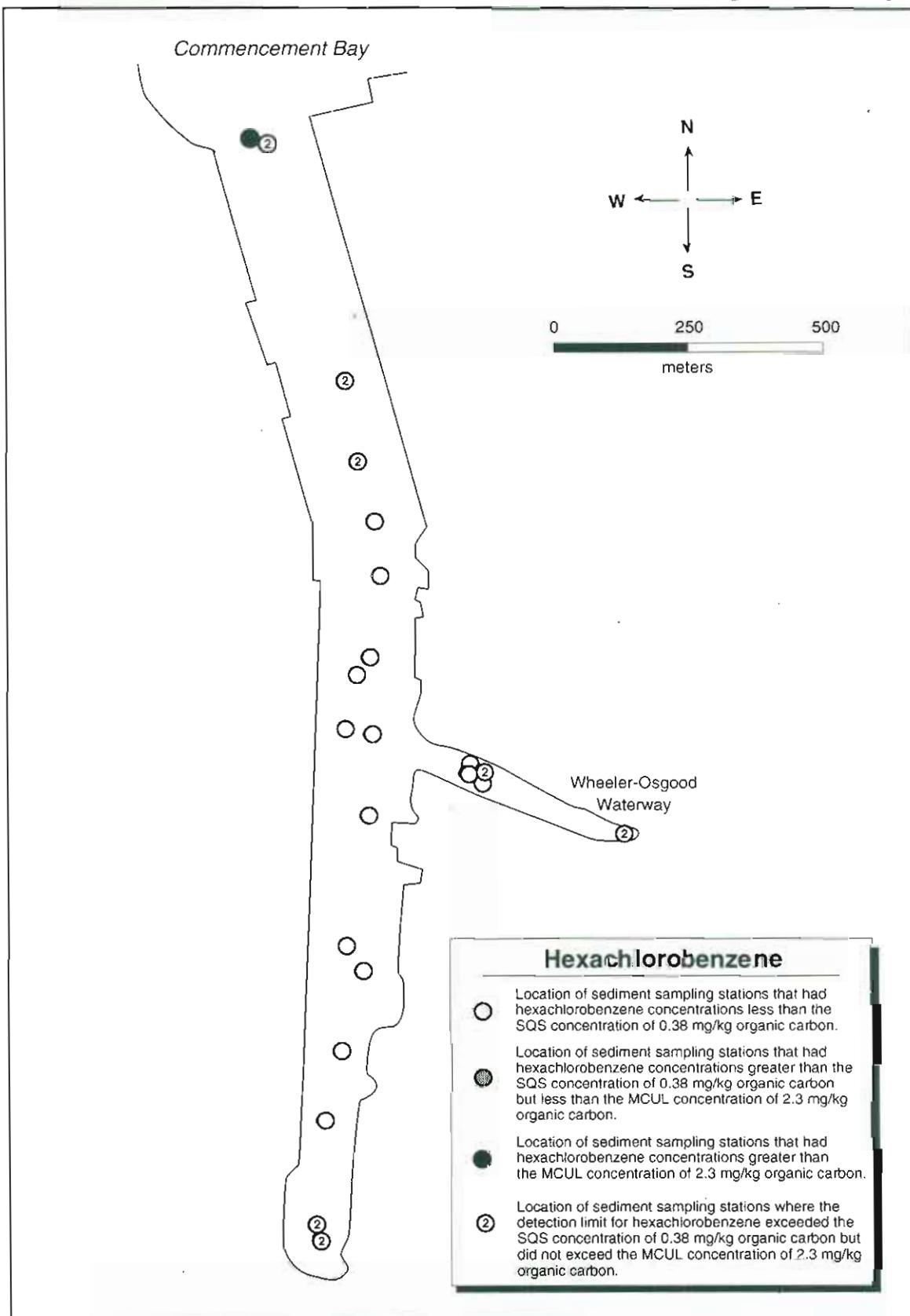


Figure A-86. Distribution of hexachlorobenzene in sediments of the Thea Foss and Wheeler-Osgood Waterways.

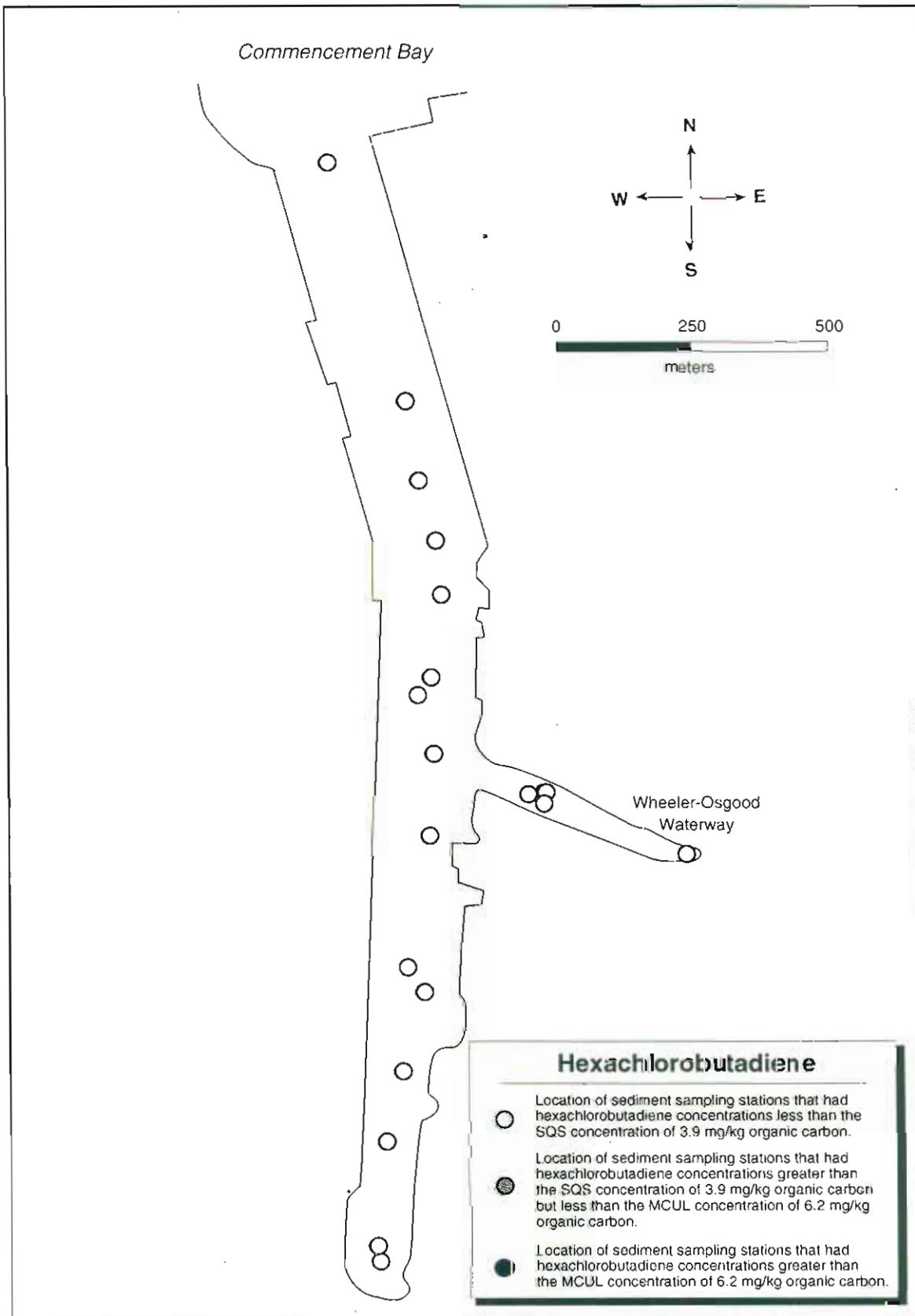


Figure A-87. Distribution of hexachlorobutadiene in sediments of the Thea Foss and Wheeler-Osgood Waterways.

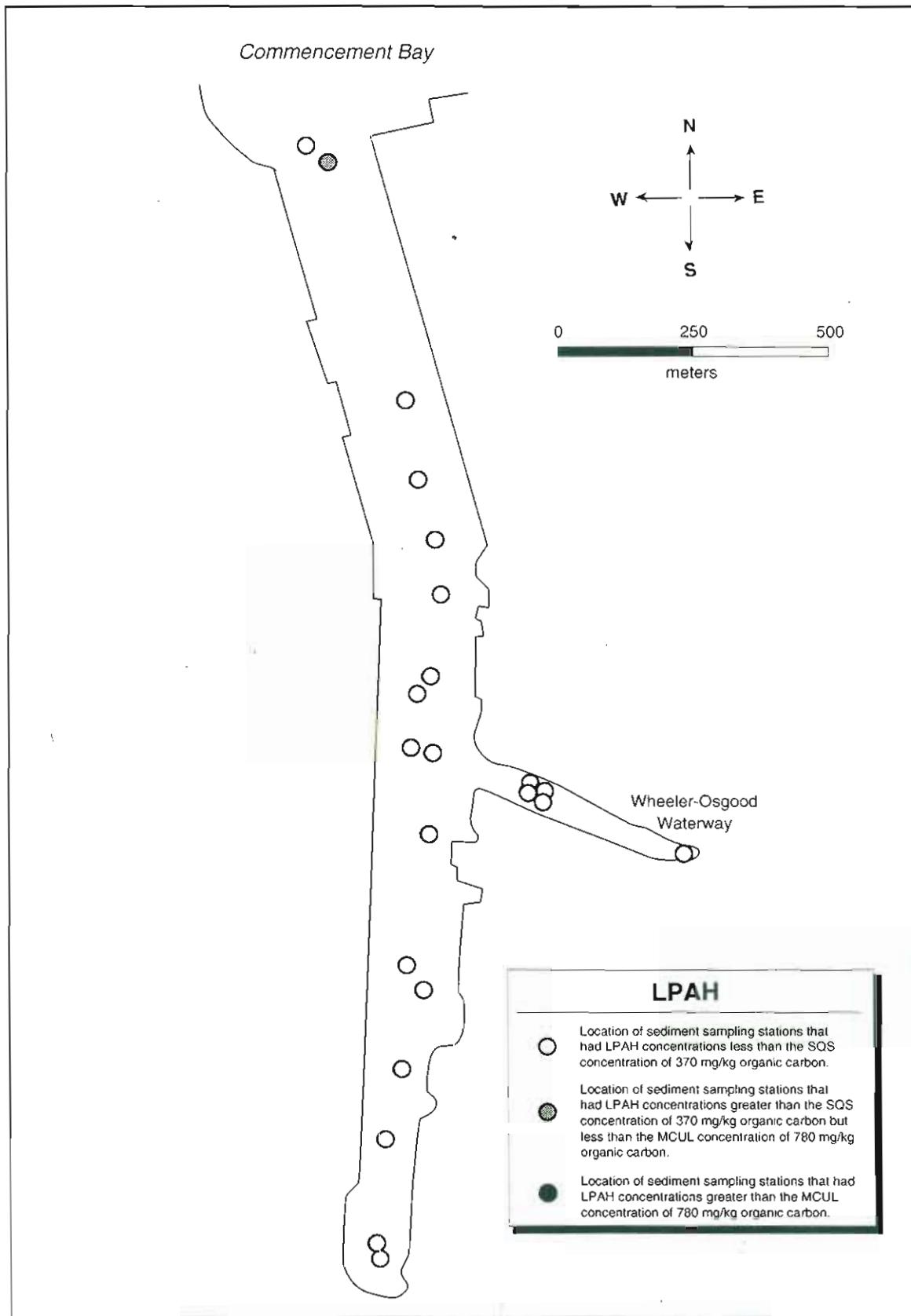


Figure A-88. Distribution of LPAH compounds in sediments of the Thea Foss and Wheeler-Osgood Waterways.

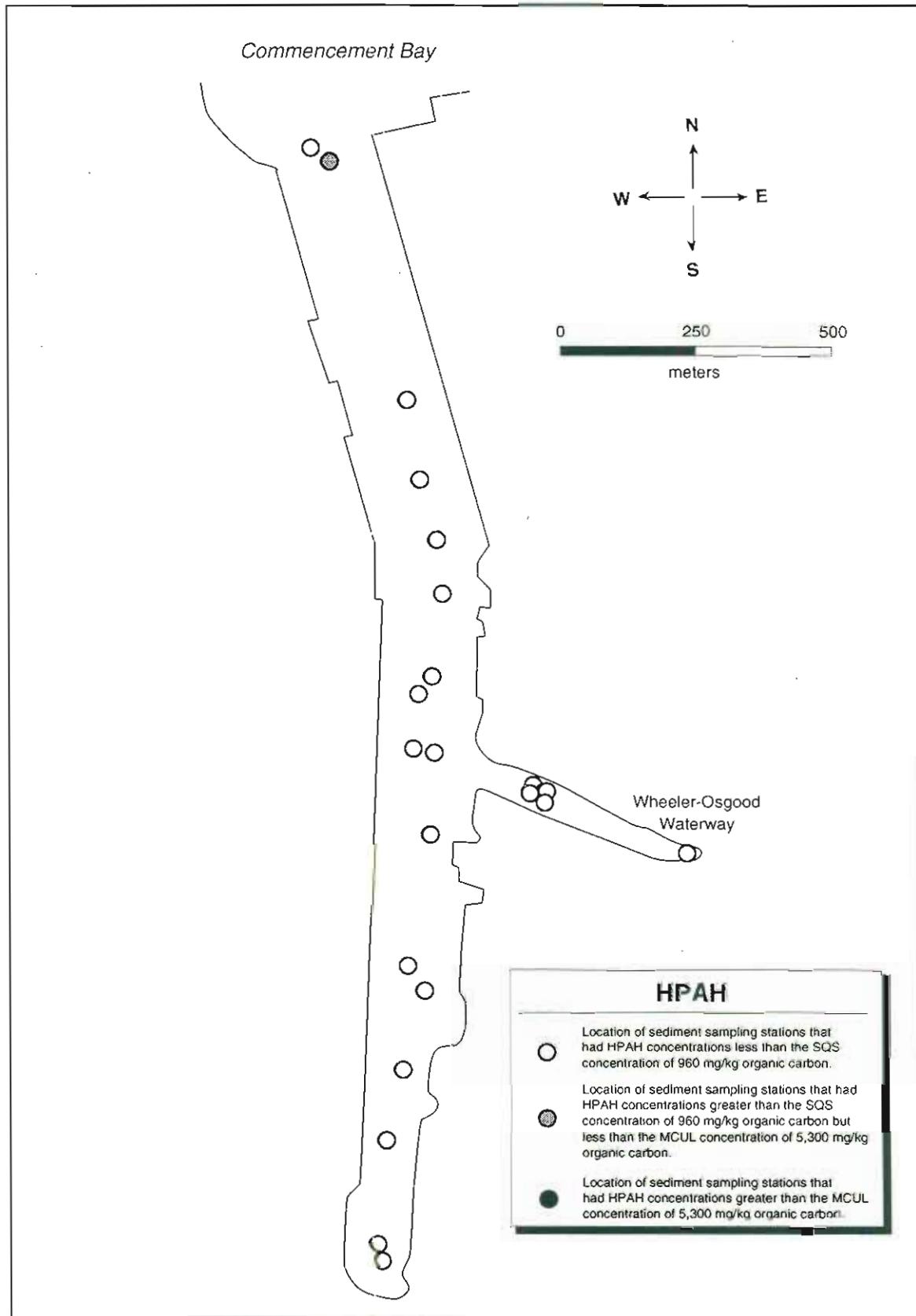


Figure A-89. Distribution of HPAH compounds in sediments of the Thea Foss and Wheeler-Osgood Waterways.

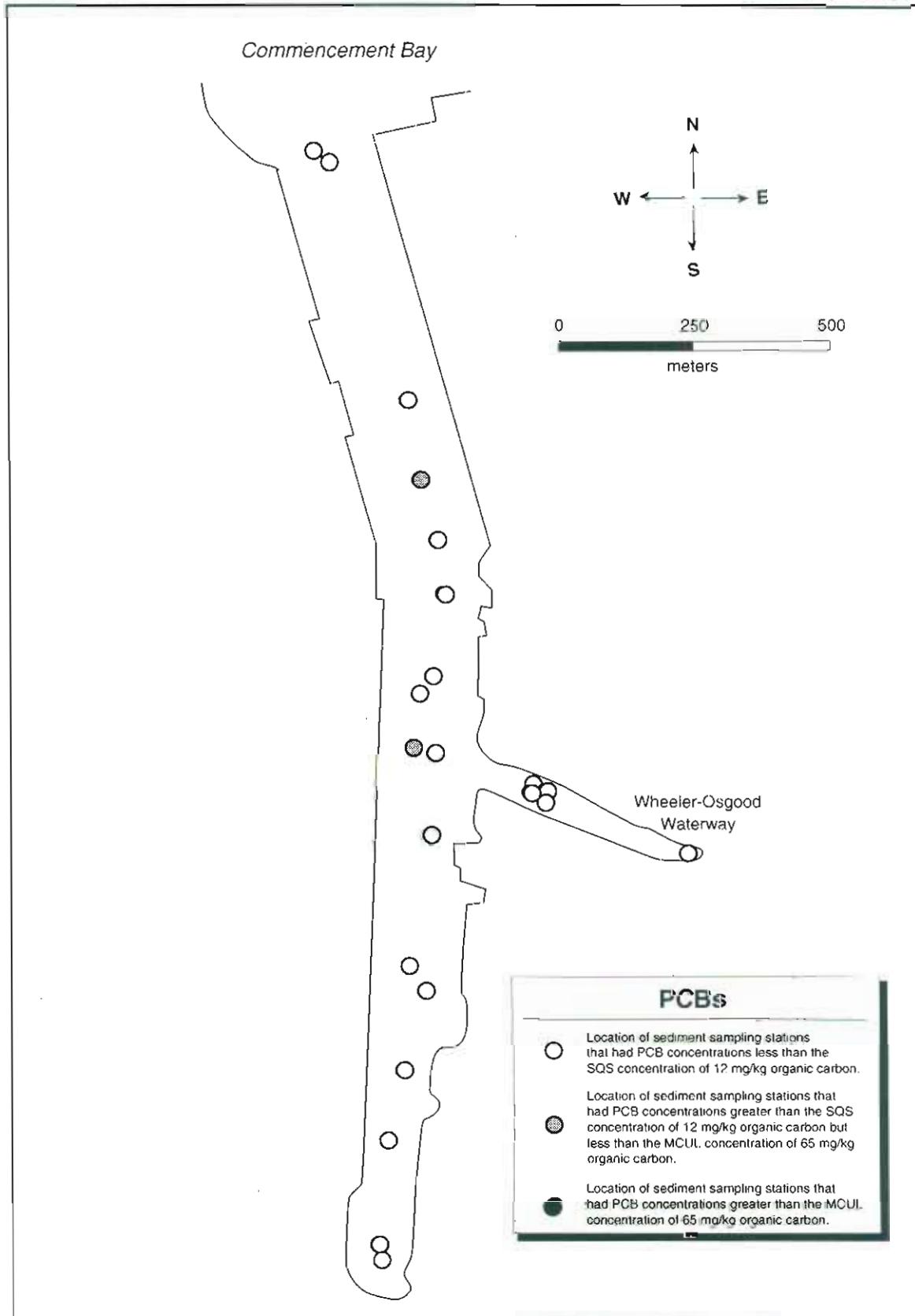


Figure A-90. Distribution of PCBs in sediments of the Thea Foss and Wheeler-Osgood Waterways.

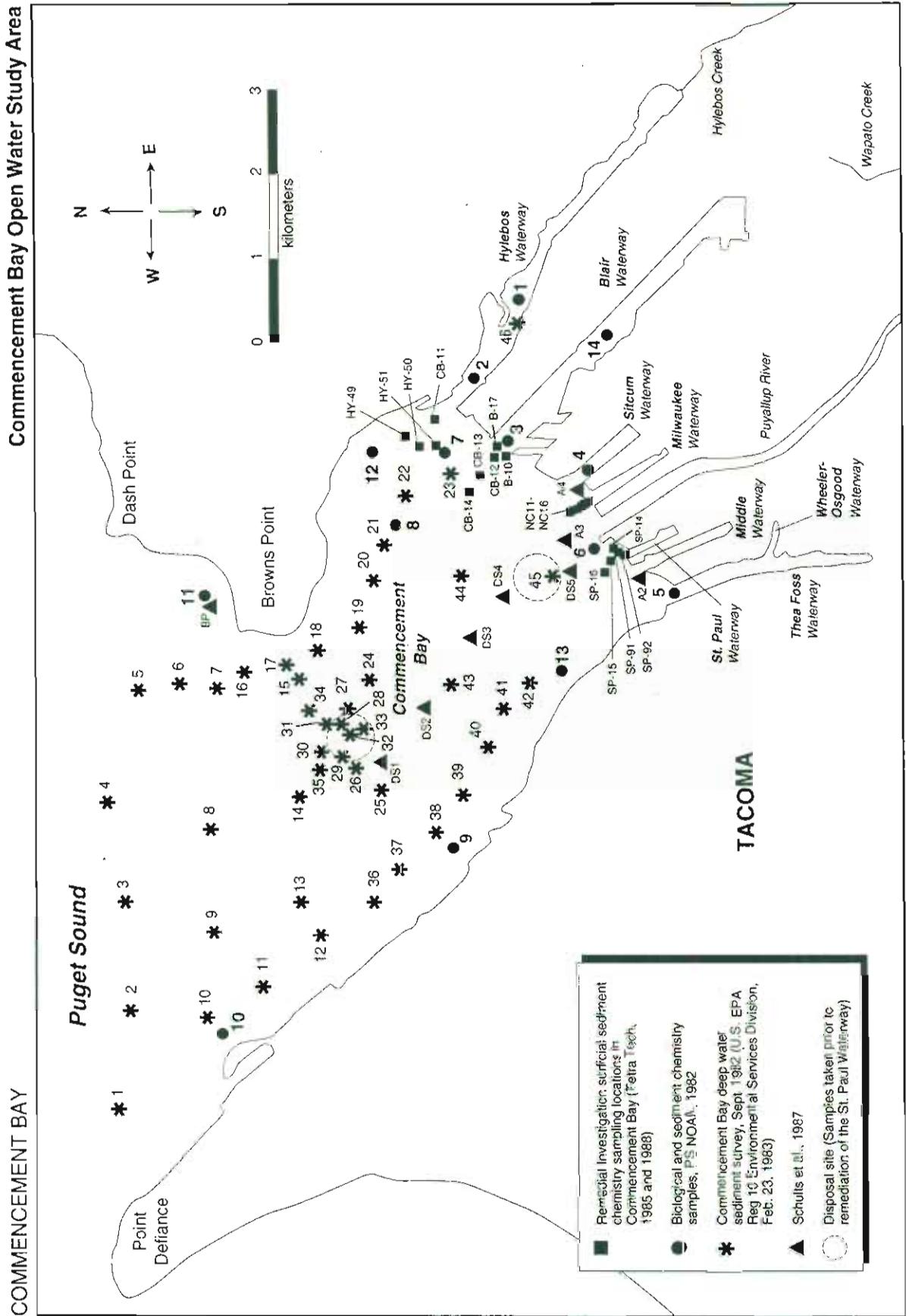


Figure A-91. Sediment sampling stations in the Commencement Bay Open Water Study Area.

COMMENCEMENT BAY

Commencement Bay Open Water Study Area

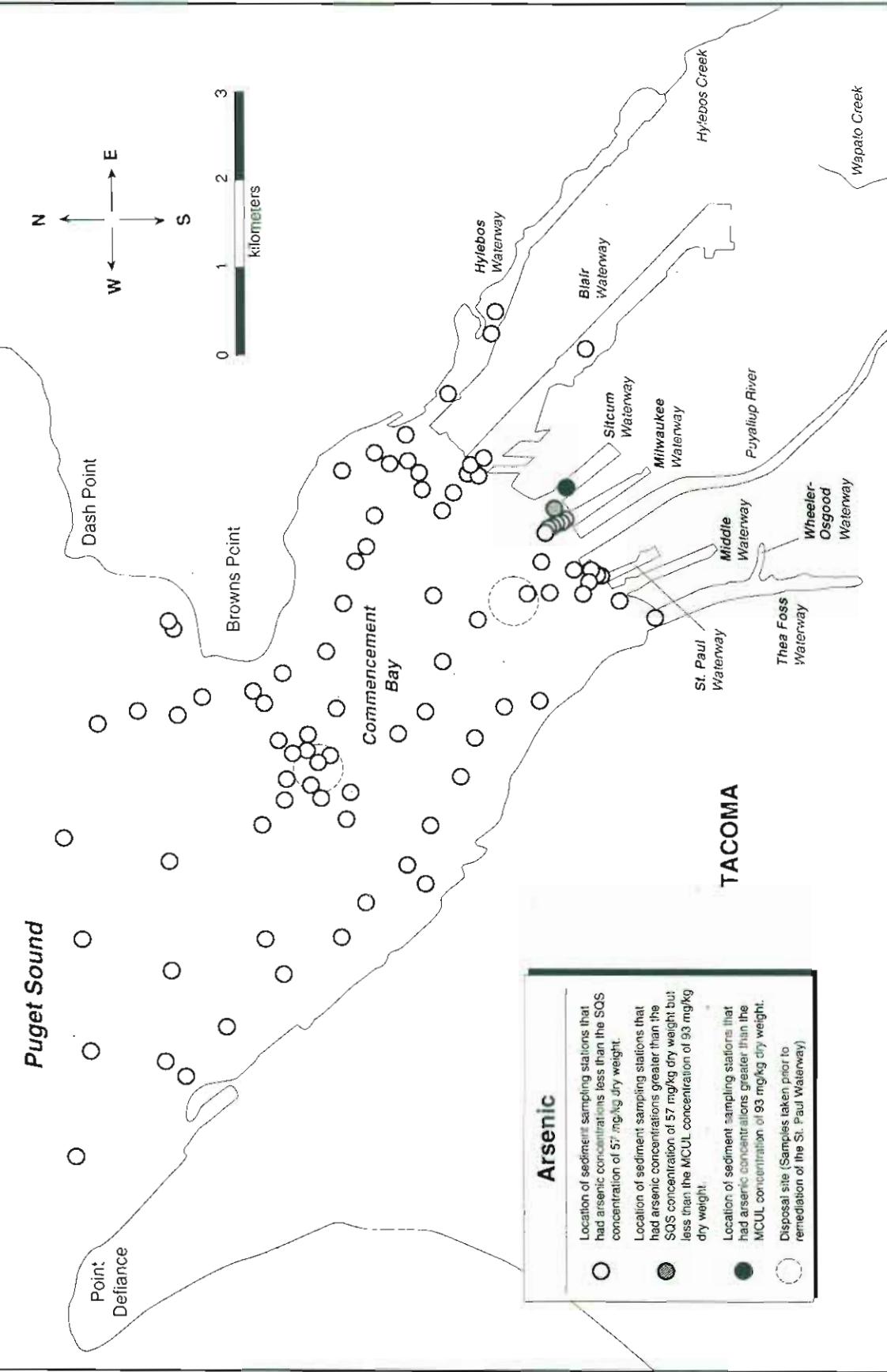


Figure A-92. Distribution of arsenic in sediments of the Commencement Bay Open Water Study Area.

COMMENCEMENT BAY

Commencement Bay Open Water Study Area

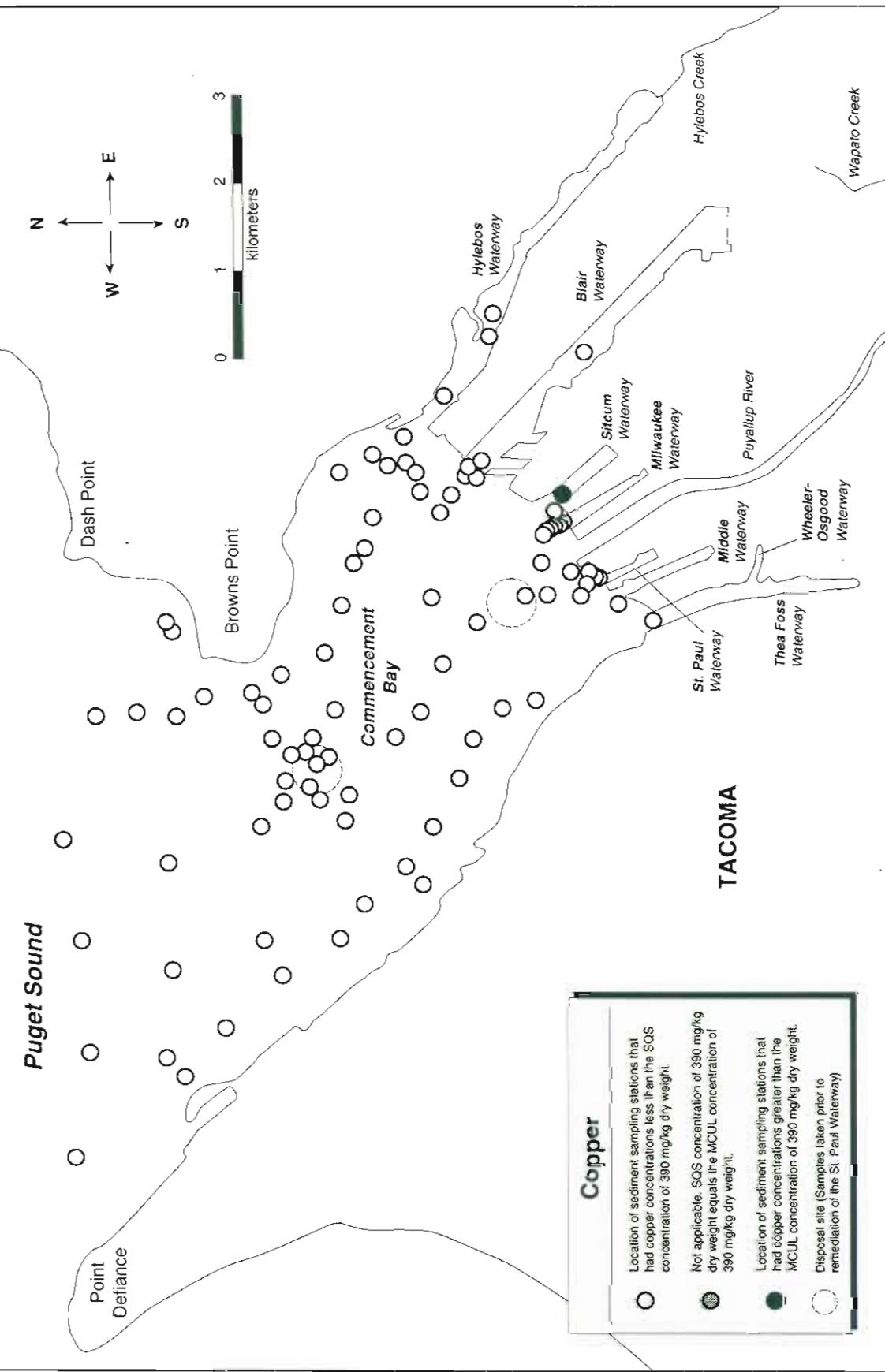


Figure A-93. Distribution of copper in sediments of the Commencement Bay Open Water Study Area.

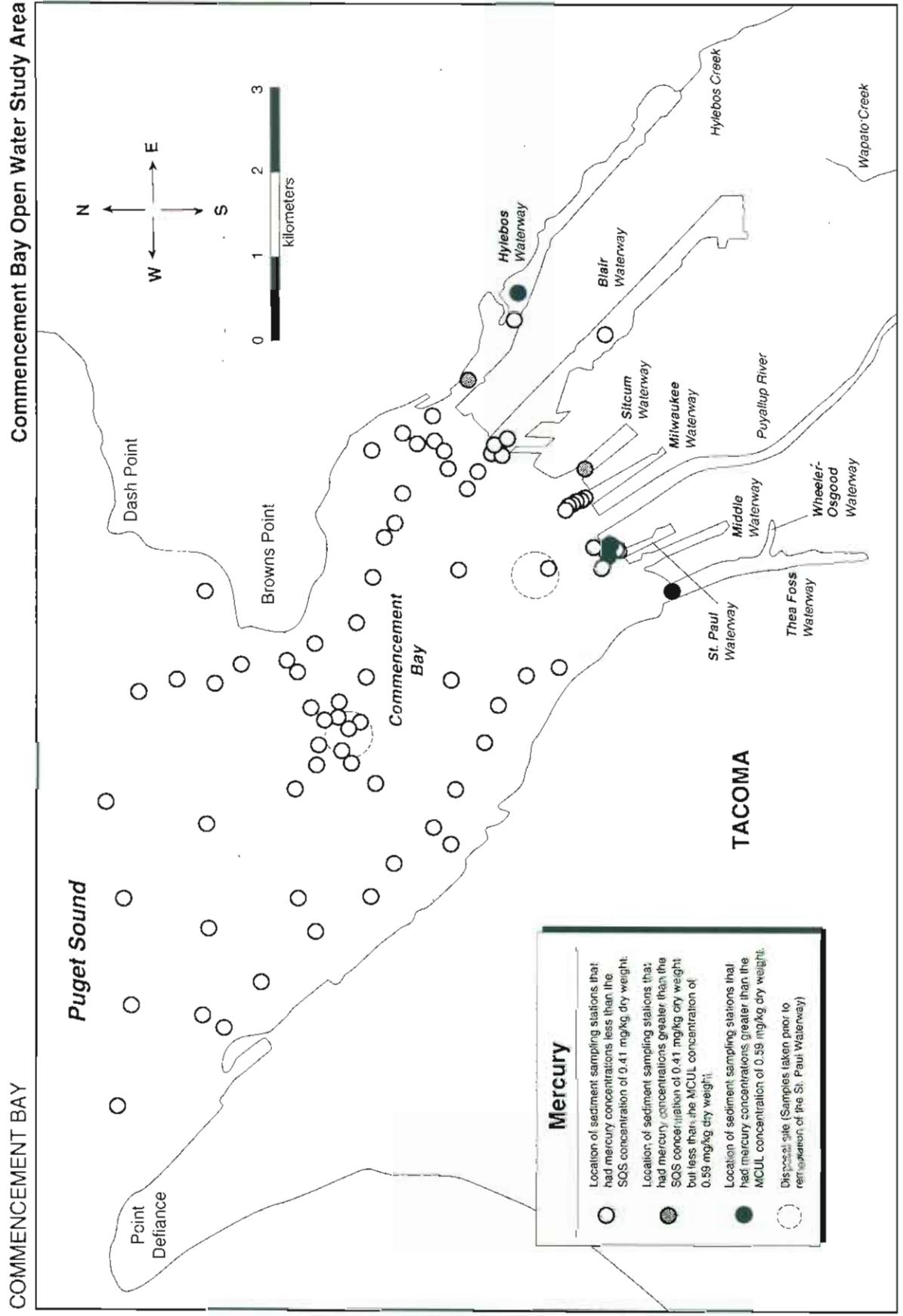


Figure A-94. Distribution of mercury in sediments of the Commencement Bay Open Water Study Area.

COMMENCEMENT BAY

Commencement Bay Open Water Study Area

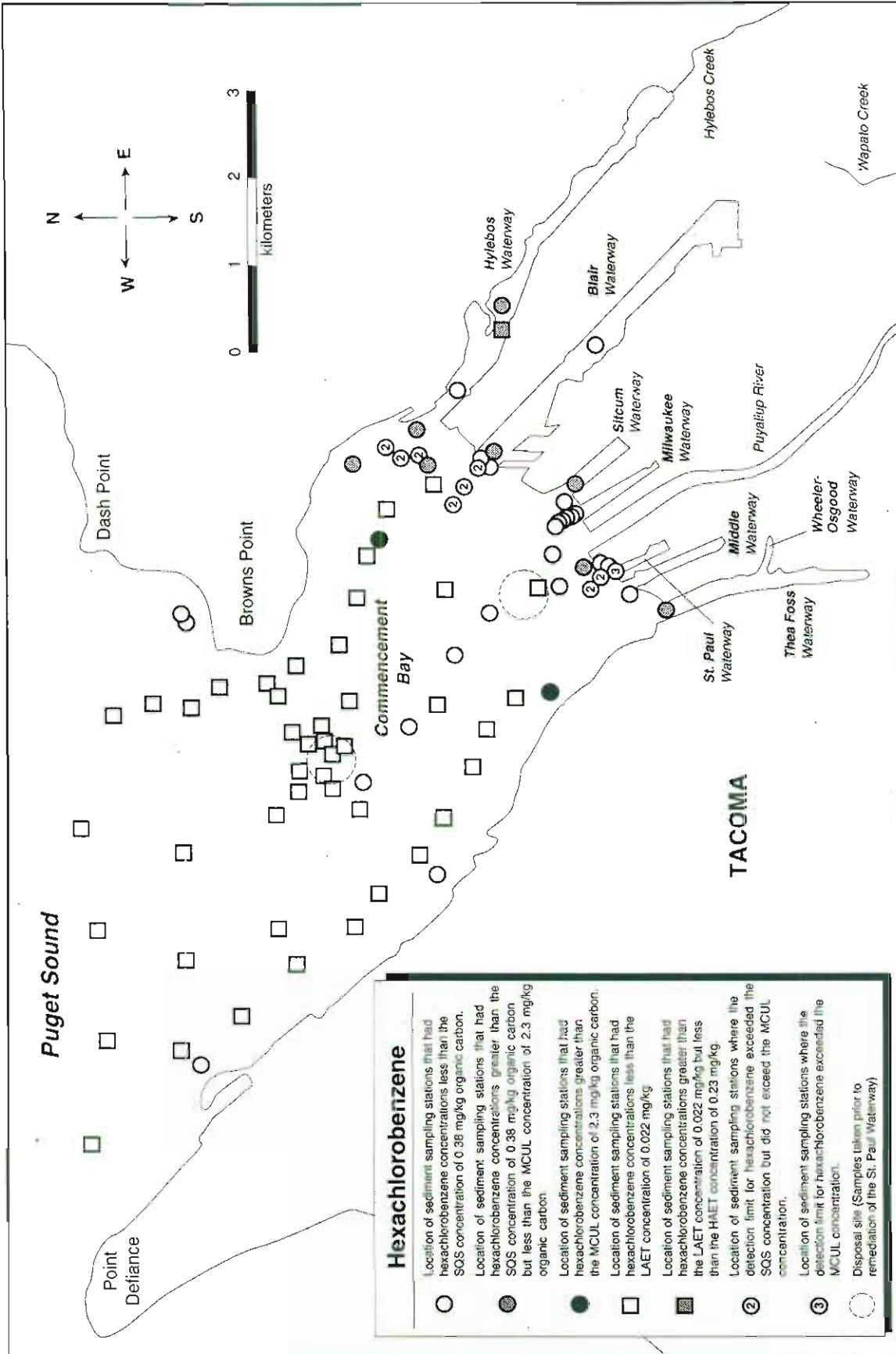


Figure A-95. Distribution of hexachlorobenzene in sediments of the Commencement Bay Open Water Study Area.

COMMENCEMENT BAY

Commencement Bay Open Water Study Area

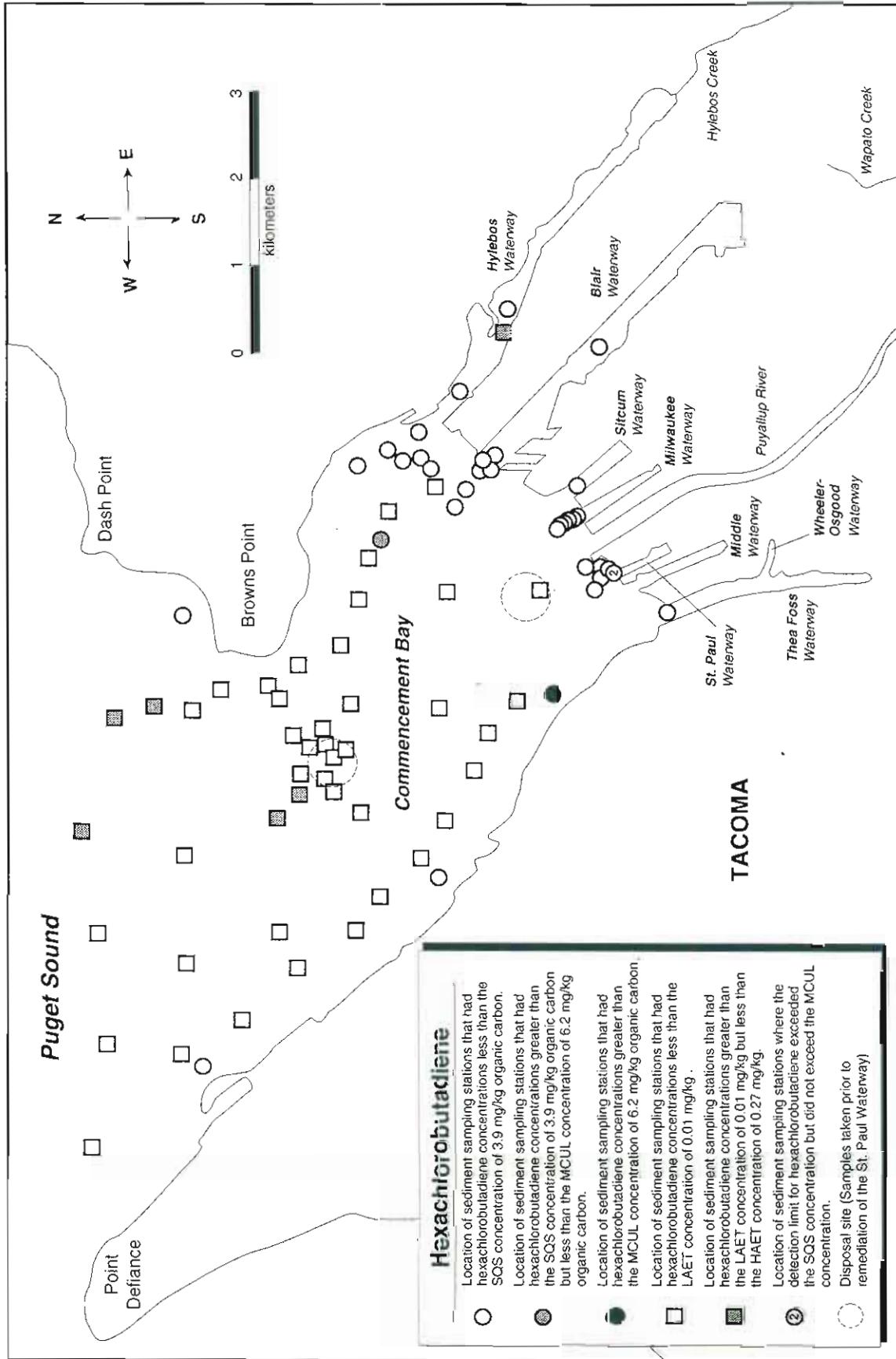


Figure A-96. Distribution of hexachlorobutadiene in sediments of the Commencement Bay Open Water Study Area.

COMMENCEMENT BAY

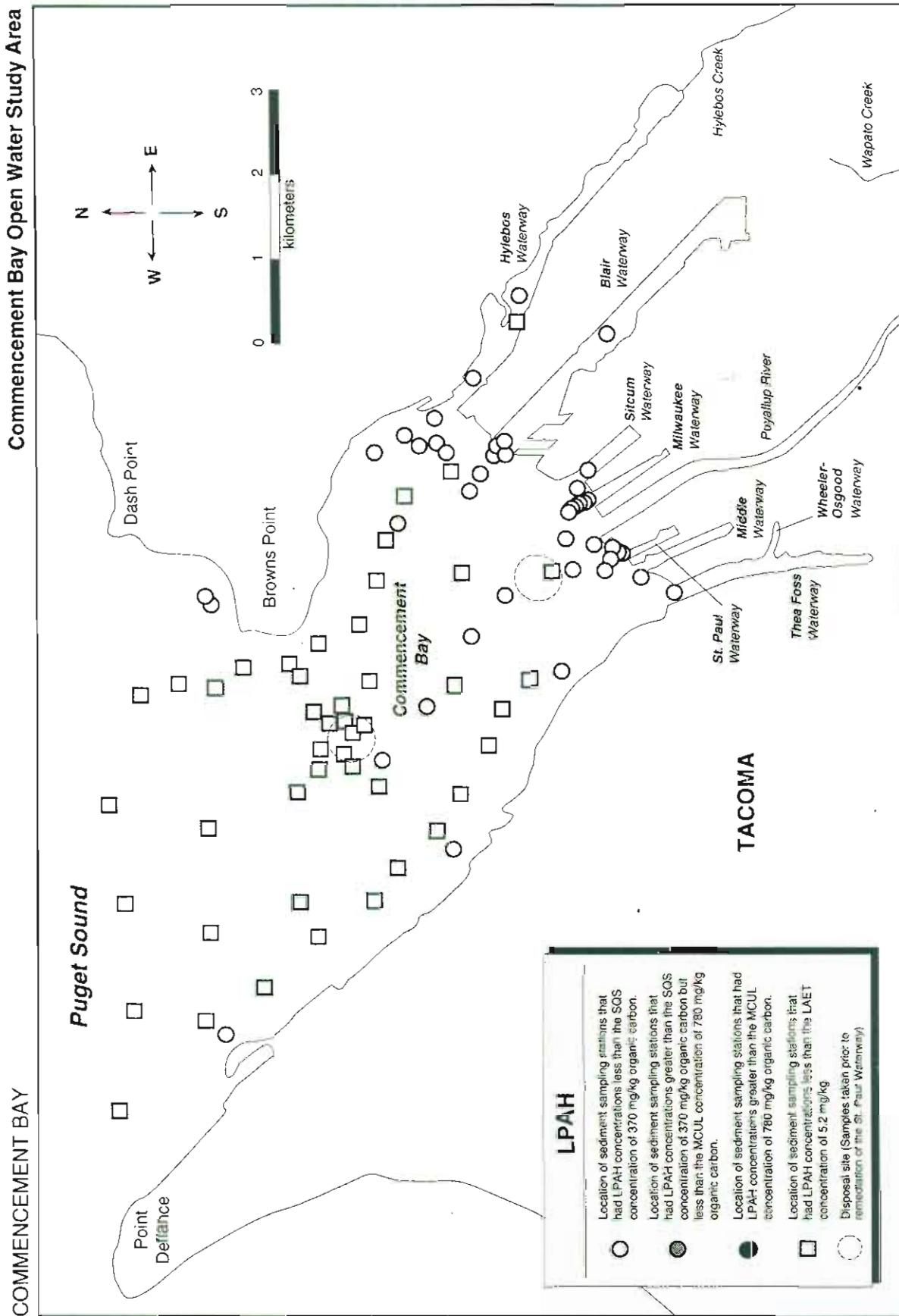


Figure A-97. Distribution of LPAH compounds in sediments of the Commencement Bay Open Water Study Area.

COMMENCEMENT BAY

Commencement Bay Open Water Study Area

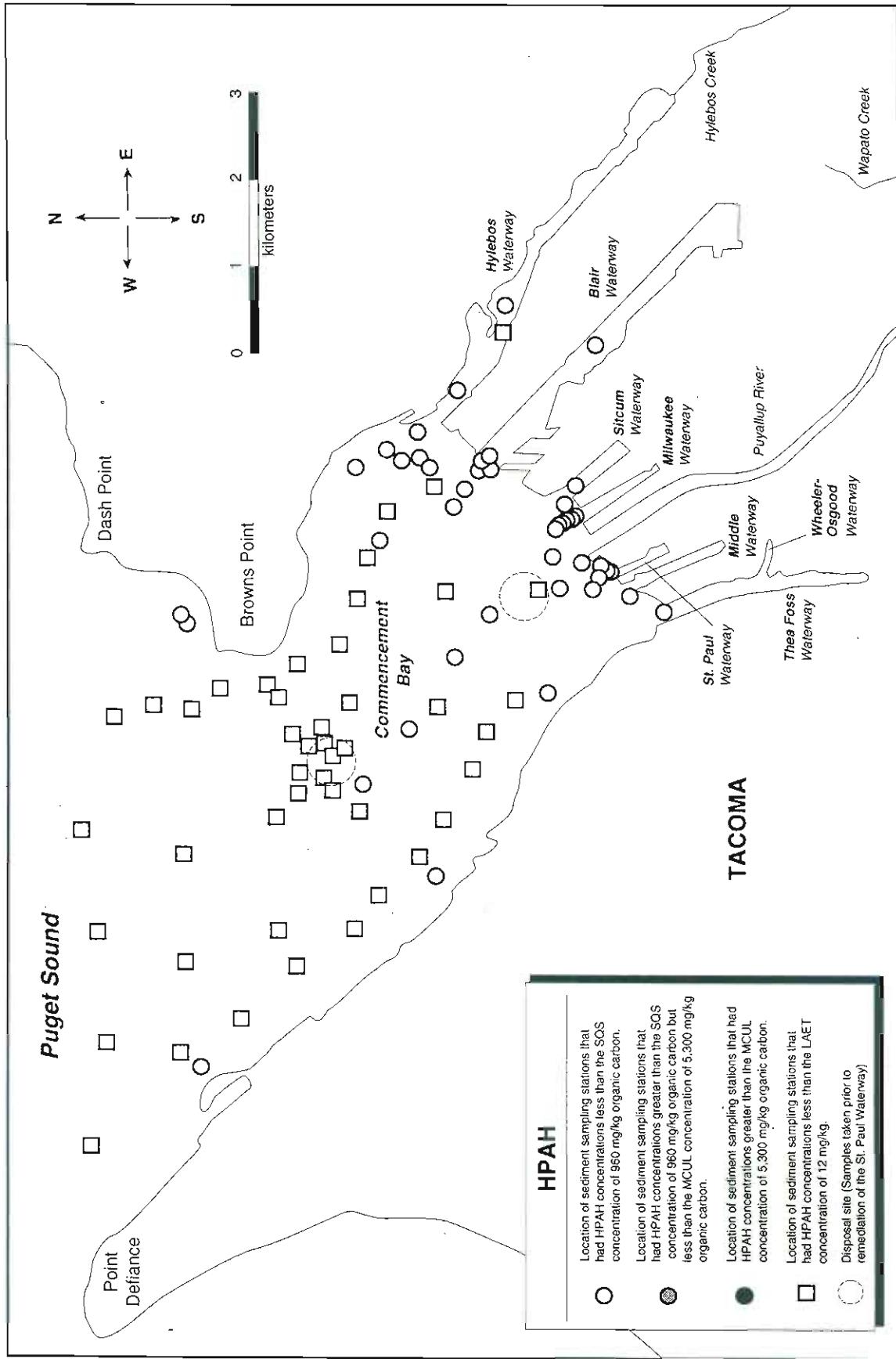


Figure A-98. Distribution of HPAH compounds in sediments of the Commencement Bay Open Water Study Area.

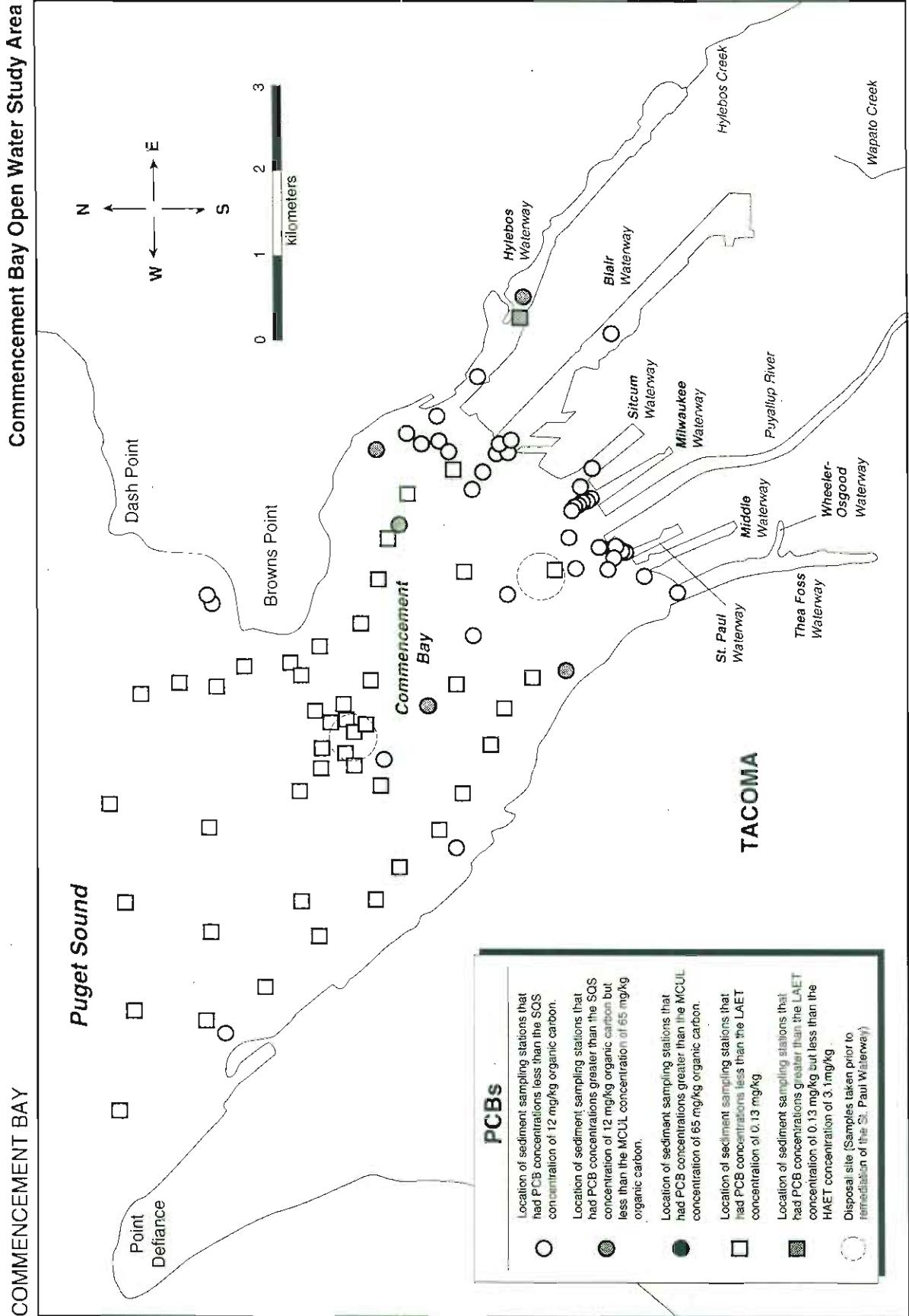


Figure A-99. Distribution of PCBs in sediments of the Commencement Bay Open Water Study Area.

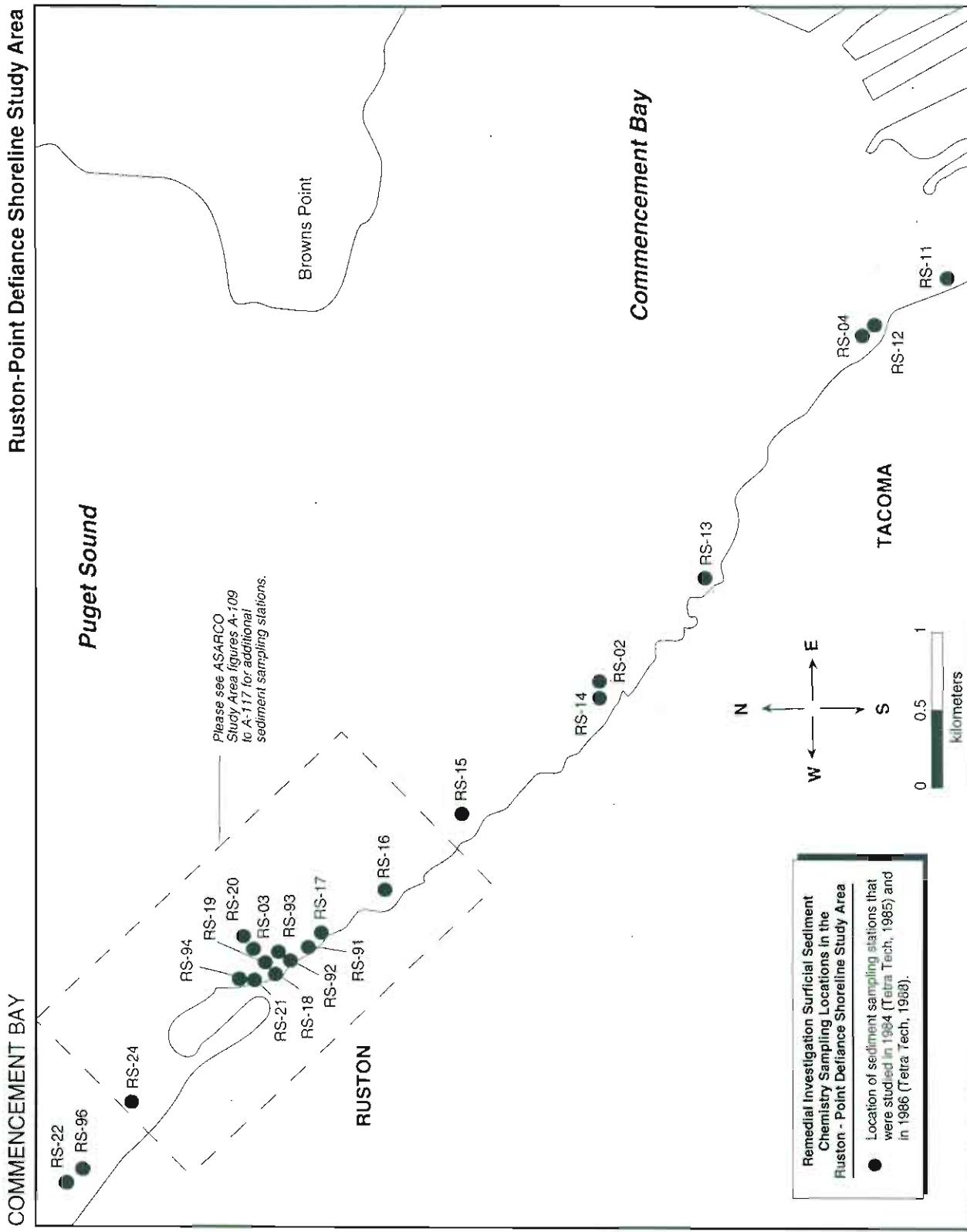


Figure A-100. Sediment sampling stations in the Ruston-Point Defiance Shoreline Study Area.

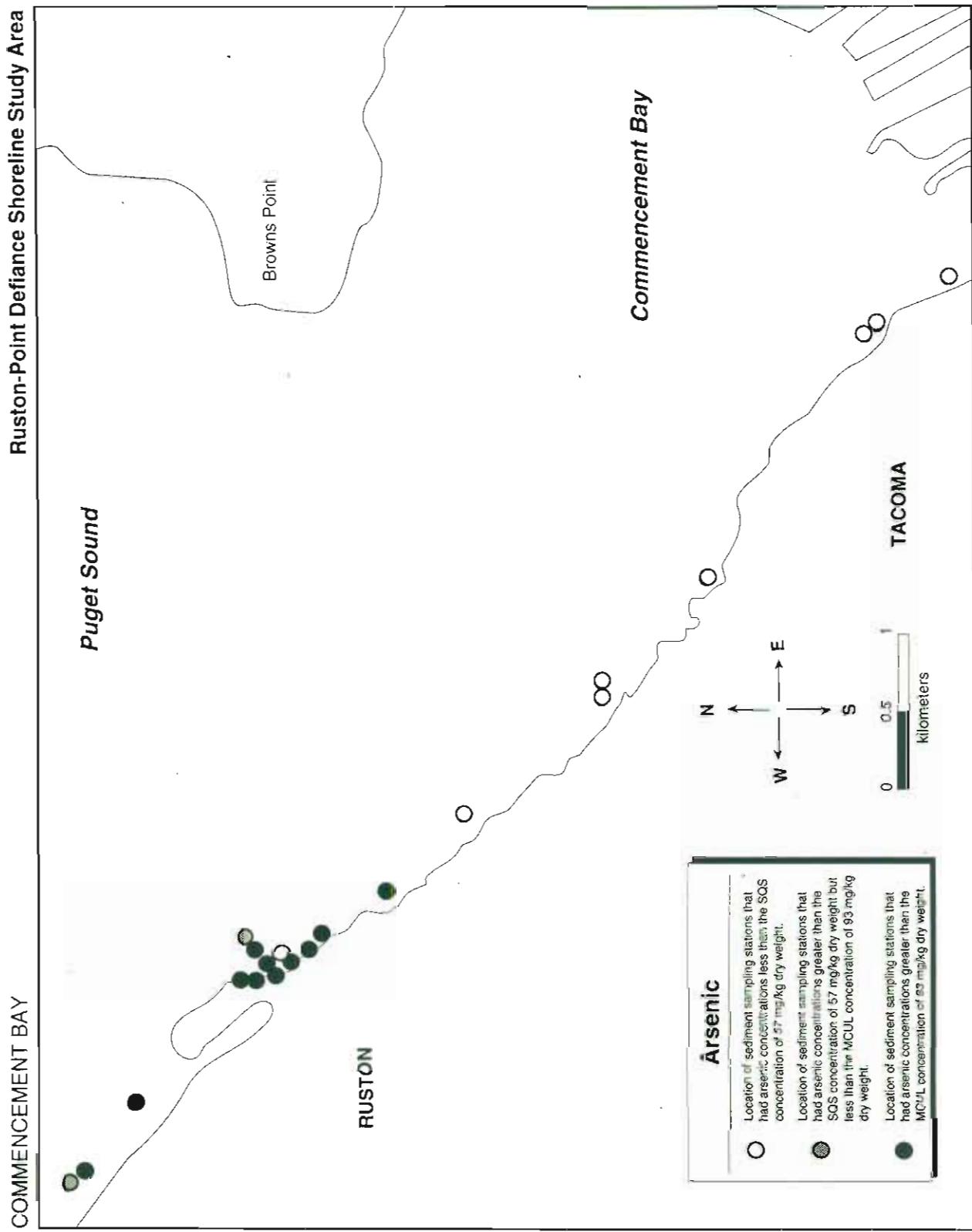


Figure A-101. Distribution of arsenic in sediments of the Ruston-Point Defiance Shoreline Study Area.

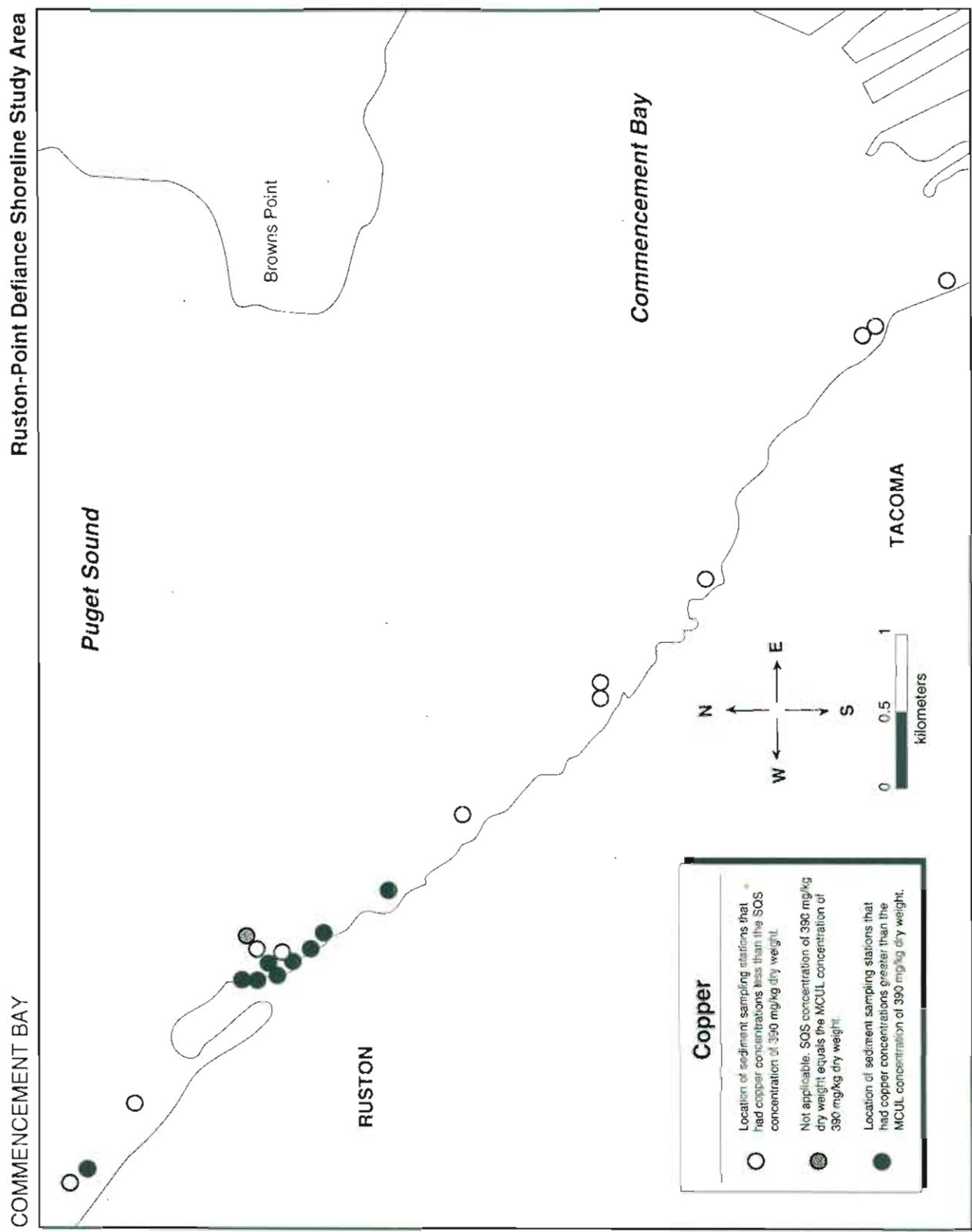


Figure A-102. Distribution of copper in sediments of the Ruston-Point Defiance Shoreline Study Area.

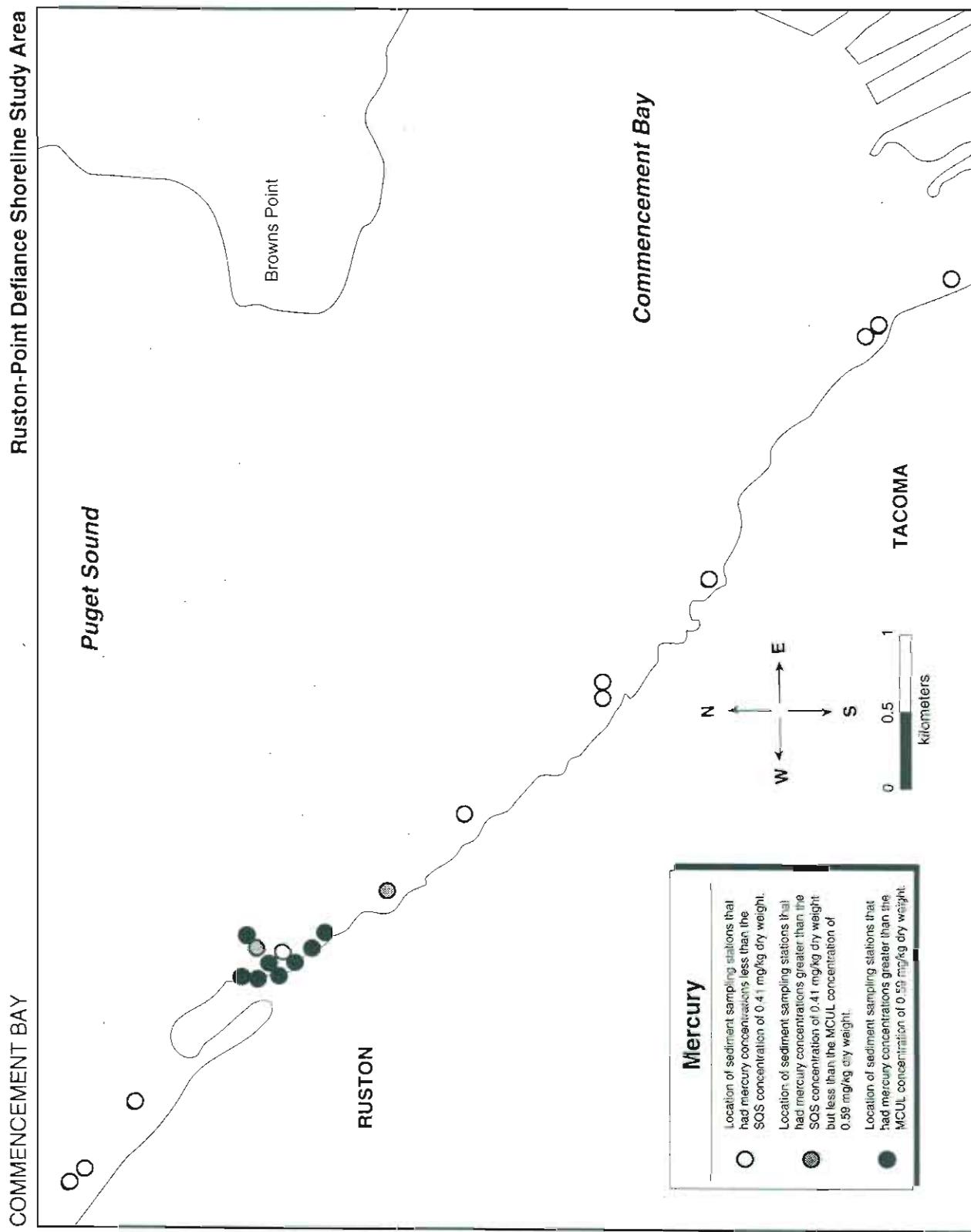


Figure A-103. Distribution of mercury in sediments of the Ruston-Point Defiance Shoreline Study Area.

COMMENCEMENT BAY

Ruston-Point Defiance Shoreline Study Area

Puget Sound

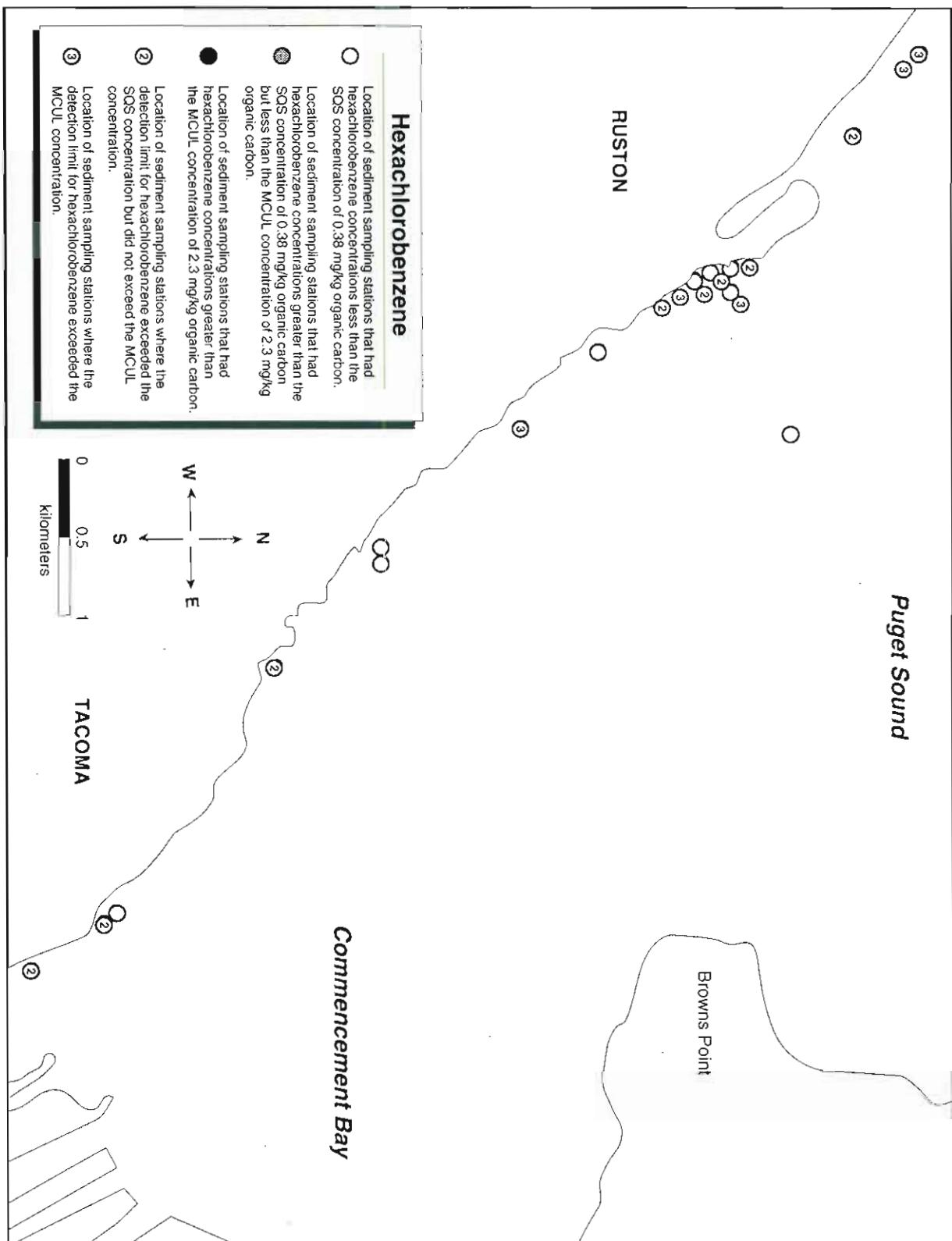


Figure A-104. Distribution of hexachlorobenzene in sediments of the Ruston-Point Defiance Shoreline Study Area.

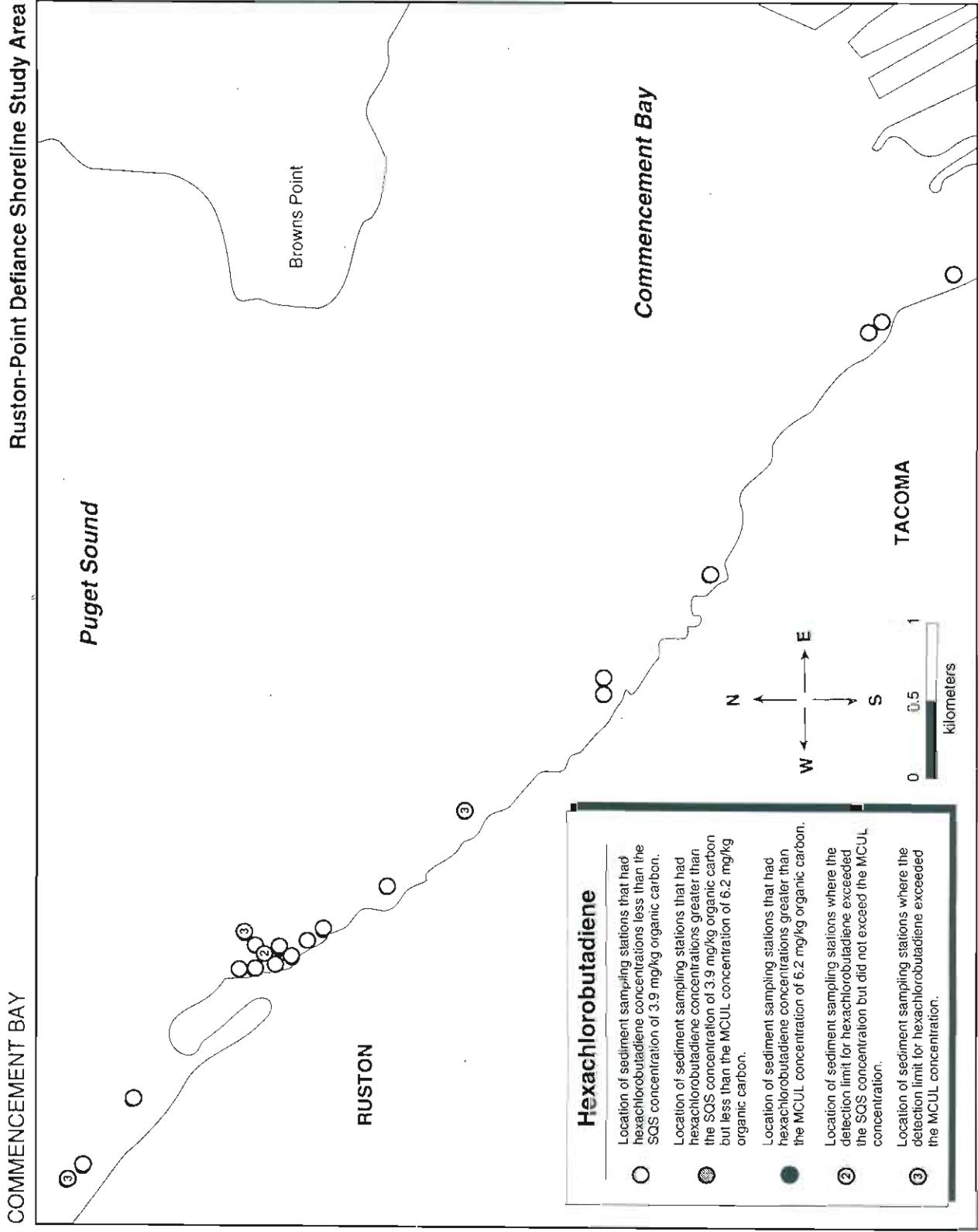


Figure A-105. Distribution of hexachlorobutadiene in sediments of the Ruston-Point Defiance Shoreline Study Area.

COMMENCEMENT BAY

Ruston-Point Defiance Shoreline Study Area

Puget Sound

May 1995
2618-01 Comm Bay NDDA

A-106

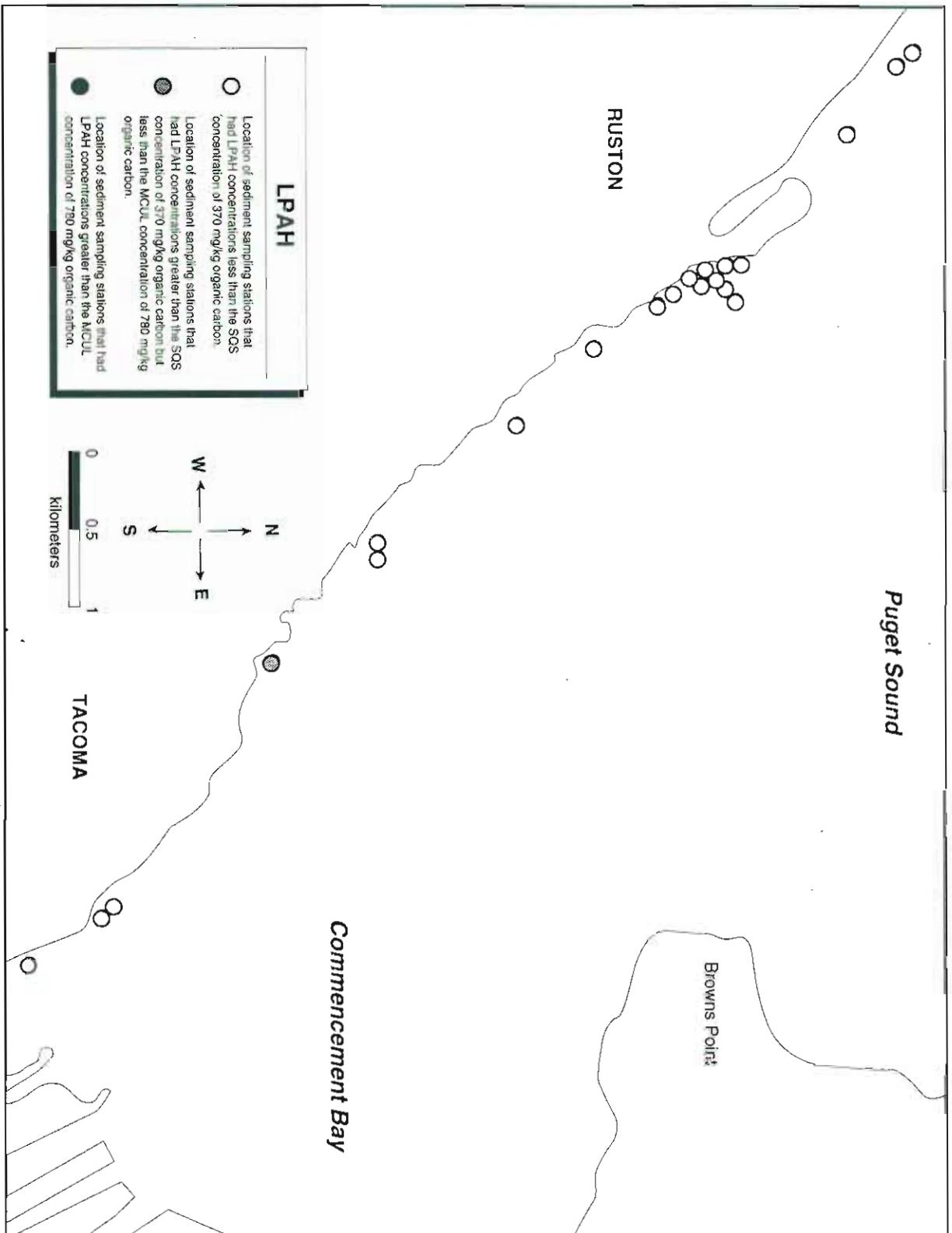


Figure A-106. Distribution of LPAH compounds in sediments of the Ruston-Point Defiance Shoreline Study Area.

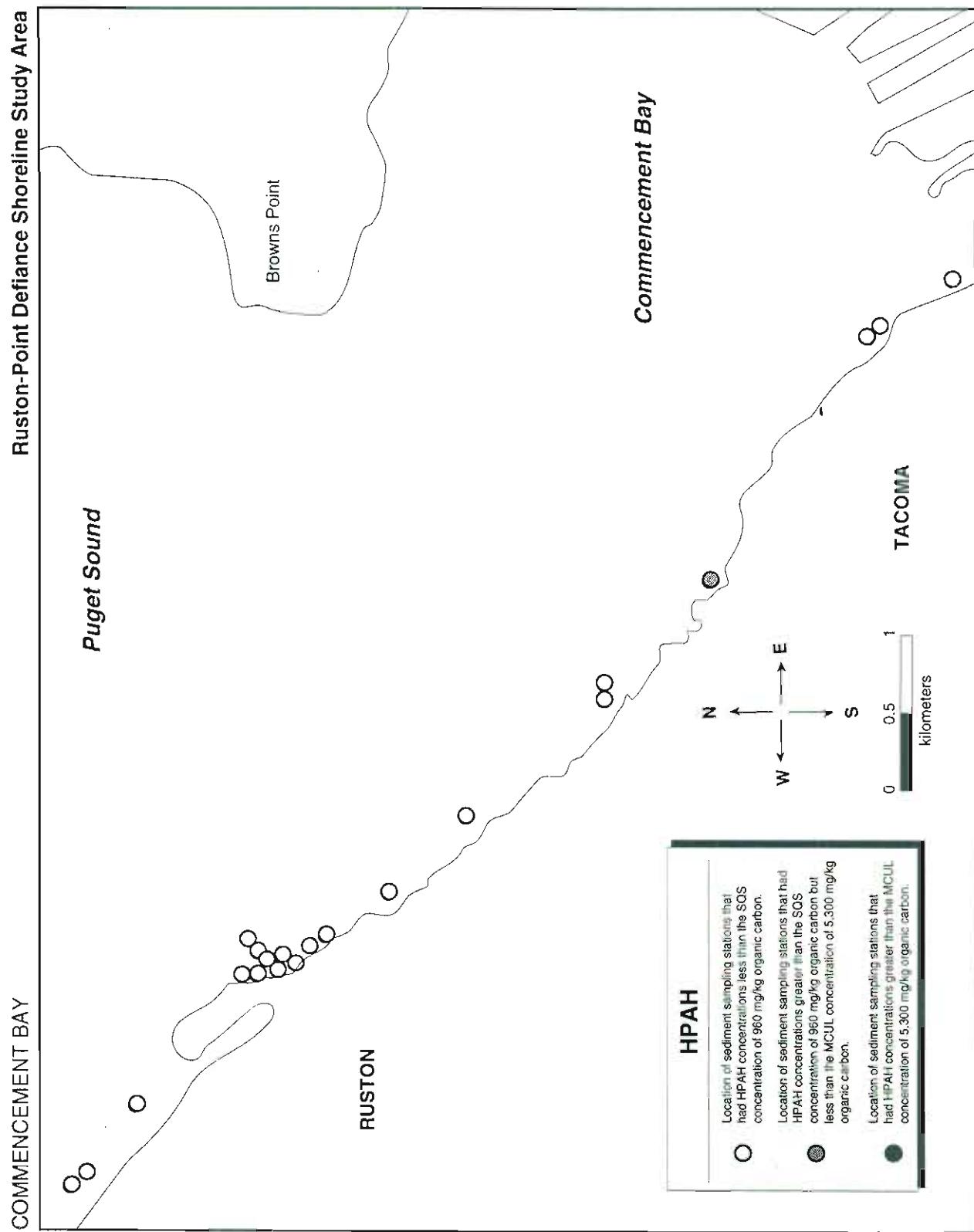


Figure A-107. Distribution of HPAH compounds in sediments of the Ruston-Point Defiance Shoreline Study Area.

COMMENCEMENT BAY

Ruston-Point Defiance Shoreline Study Area

May 1995
2618-01 Comm Bay NRD A

A-108

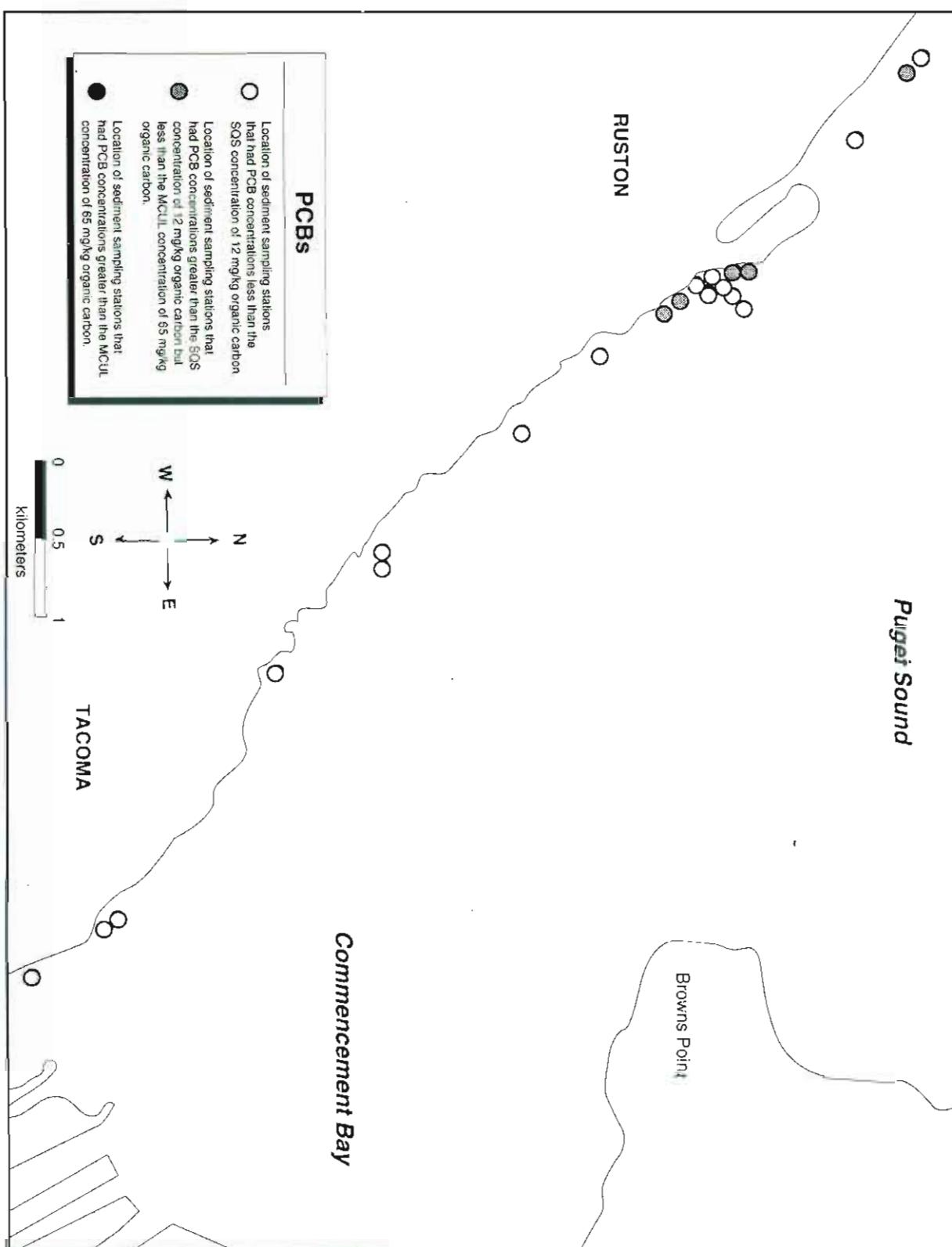


Figure A-108. Distribution of PCBs in sediments of the Ruston-Point Defiance Shoreline Study Area.

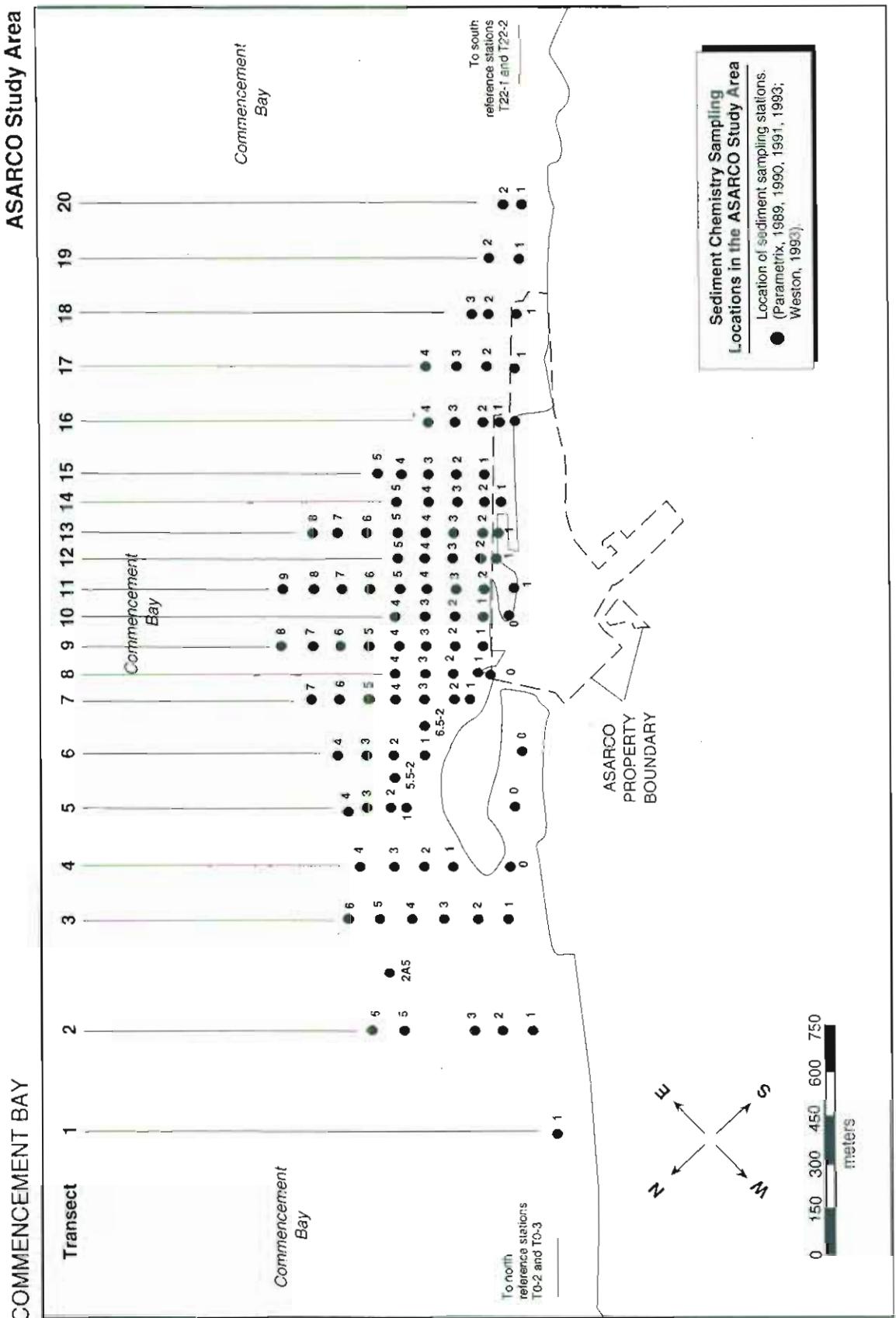


Figure A-109. Sediment sampling stations in the ASARCO Study Area.

COMMENCEMENT BAY

ASARCO Study Area

*Commencement
Bay*

May 1995
2/618-01 Comm Bay NRD

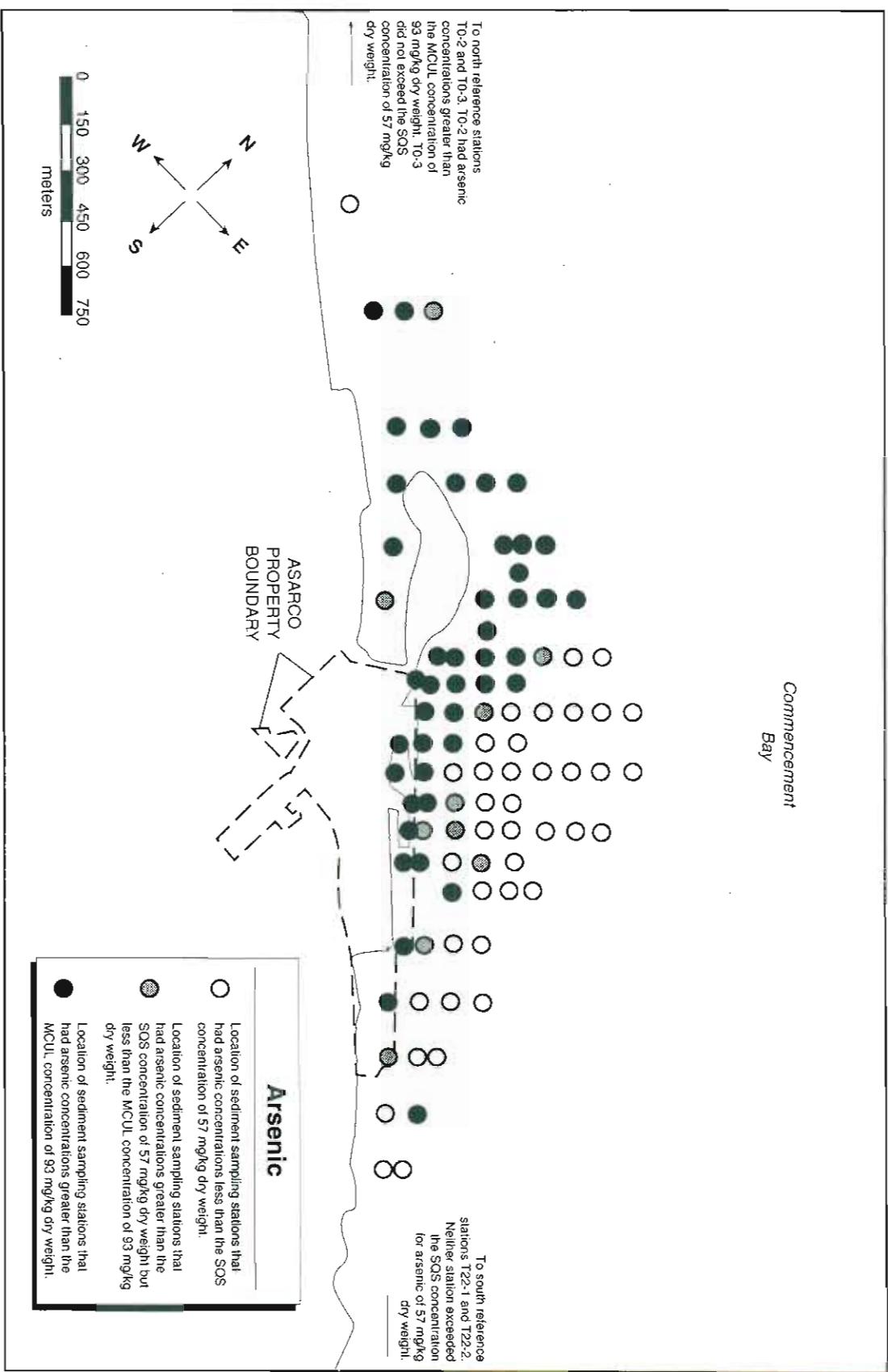


Figure A-110. Distribution of arsenic in sediments of the ASARCO Study Area.

ASARCO Study Area

COMMENCEMENT BAY

Commencement
Bay

To north reference stations
T0-2 and T0-3. Neither station
exceeded the SQS
concentration for copper
of 390 mg/kg dry weight.

To south reference
stations T22-1 and T22-2.
Neither station exceeded
the SQS concentration
for copper of 390 mg/kg
dry weight.

Copper

○ Location of sediment sampling stations that
had copper concentrations less than the SQS
concentration of 390 mg/kg dry weight.

● Not applicable. SQS concentration of 390 mg/kg
dry weight equals the MCUL concentration of
390 mg/kg dry weight.

● Location of sediment sampling stations that
had copper concentrations greater than the
MCUL concentration of 390 mg/kg dry weight.

N E S W

0 150 300 450 600 750 meters

ASARCO
PROPERTY
BOUNDARY

Figure A-111. Distribution of copper in sediments of the ASARCO Study Area.

COMMENCEMENT BAY

ASARCO Study Area

Commencement
Bay

May 1995
2/618-01 Comm Bay NRDA

A-112

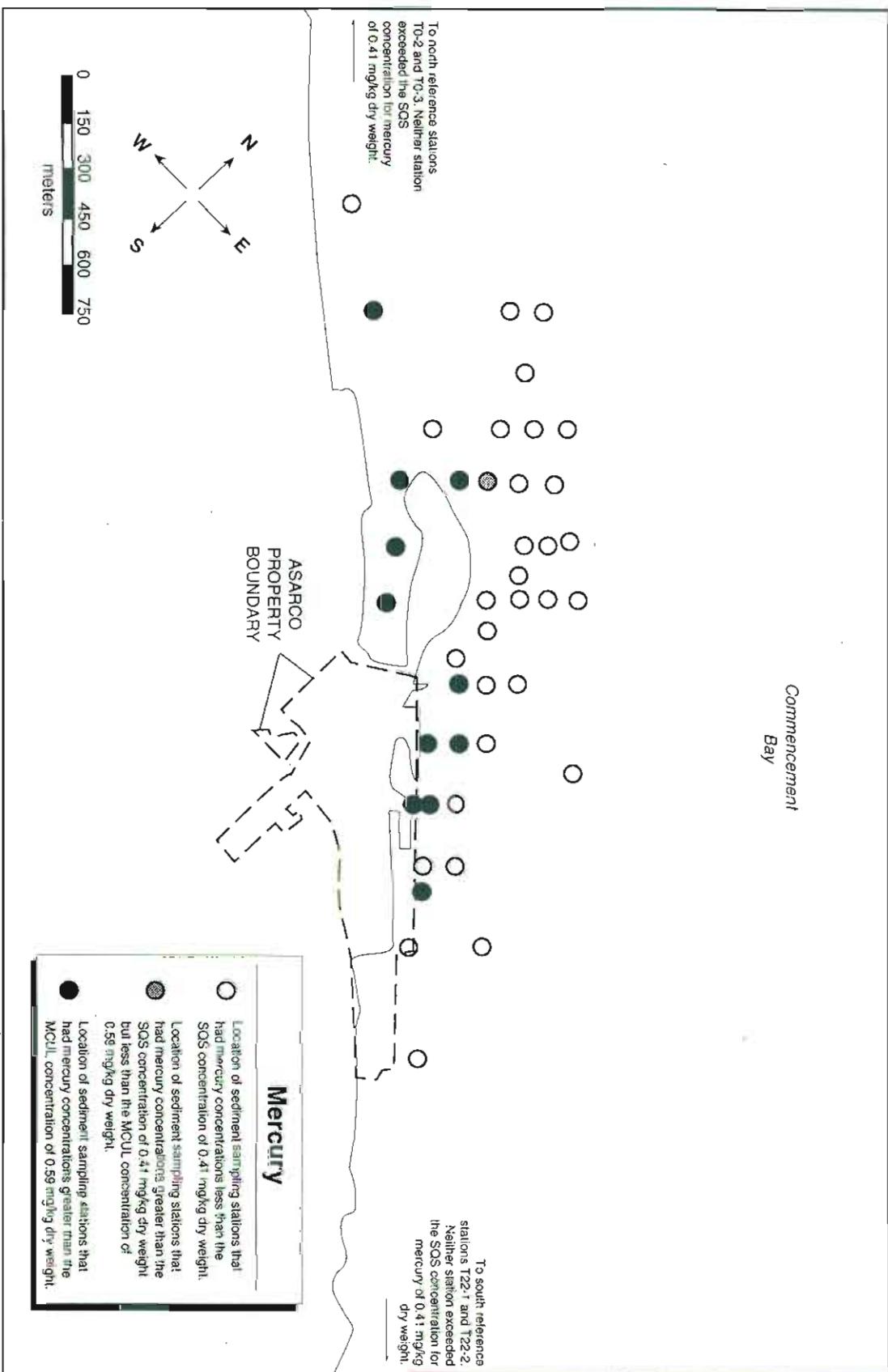


Figure A-112. Distribution of mercury in sediments of the ASARCO Study Area.

ASARCO Study Area

COMMENCEMENT BAY

*Commencement
Bay*

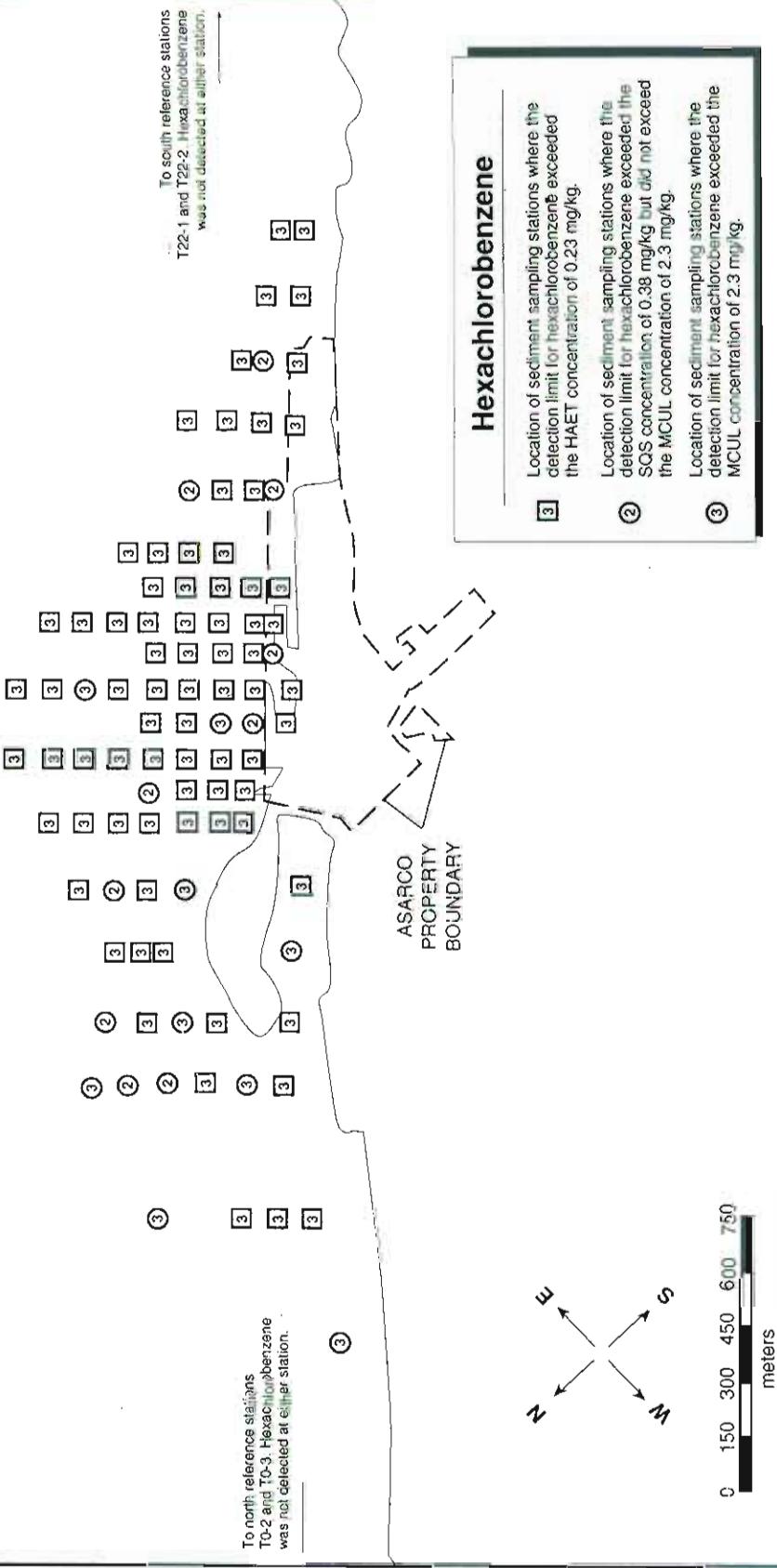


Figure A-113. Distribution of hexachlorobenzene in sediments of the ASARCO Study Area.

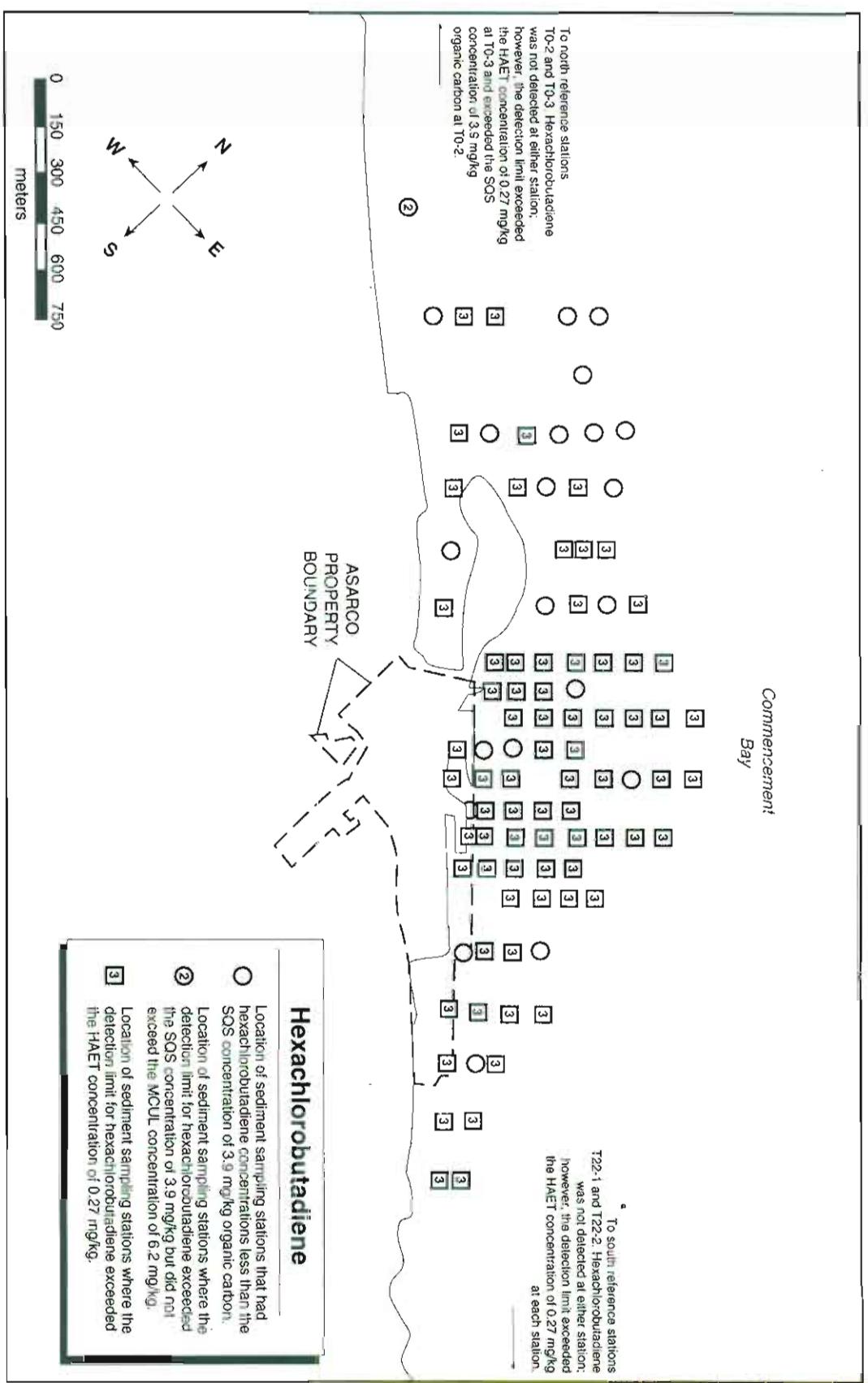


Figure A-114. Distribution of hexachlorobutadiene in sediments of the ASARCO Study Area.

COMMENCEMENT BAY

ASARCO Study Area

Commencement
Bay

To north reference stations
T0-2 and T0-3. Neither station
exceeded the SQS concentration
for LPAH compounds of 370 mg/kg
dry weight...

To south reference stations
T22-1 and T22-2. Neither station
exceeded the SQS concentration
for LPAH compounds of 370 mg/kg
dry weight.

N E S W

0 150 300 450 600 750 meters

LPAH

Location of sediment sampling stations that
had LPAH concentrations less than the SQS
concentration of 370 mg/kg organic carbon.

Location of sediment sampling stations that
had LPAH concentrations greater than the SQS
concentration of 370 mg/kg organic carbon but
less than the MCUL concentration of 780 mg/kg
organic carbon.

Location of sediment sampling stations that had
LPAH concentrations greater than the MCUL
concentration of 780 mg/kg organic carbon.

Figure A-115. Distribution of LPAH compounds in sediments of the ASARCO Study Area.

COMMENCEMENT BAY

ASARCO Study Area

Commencement
Bay

May 1995
2/618-01 Comm Bay NRDA

A-116

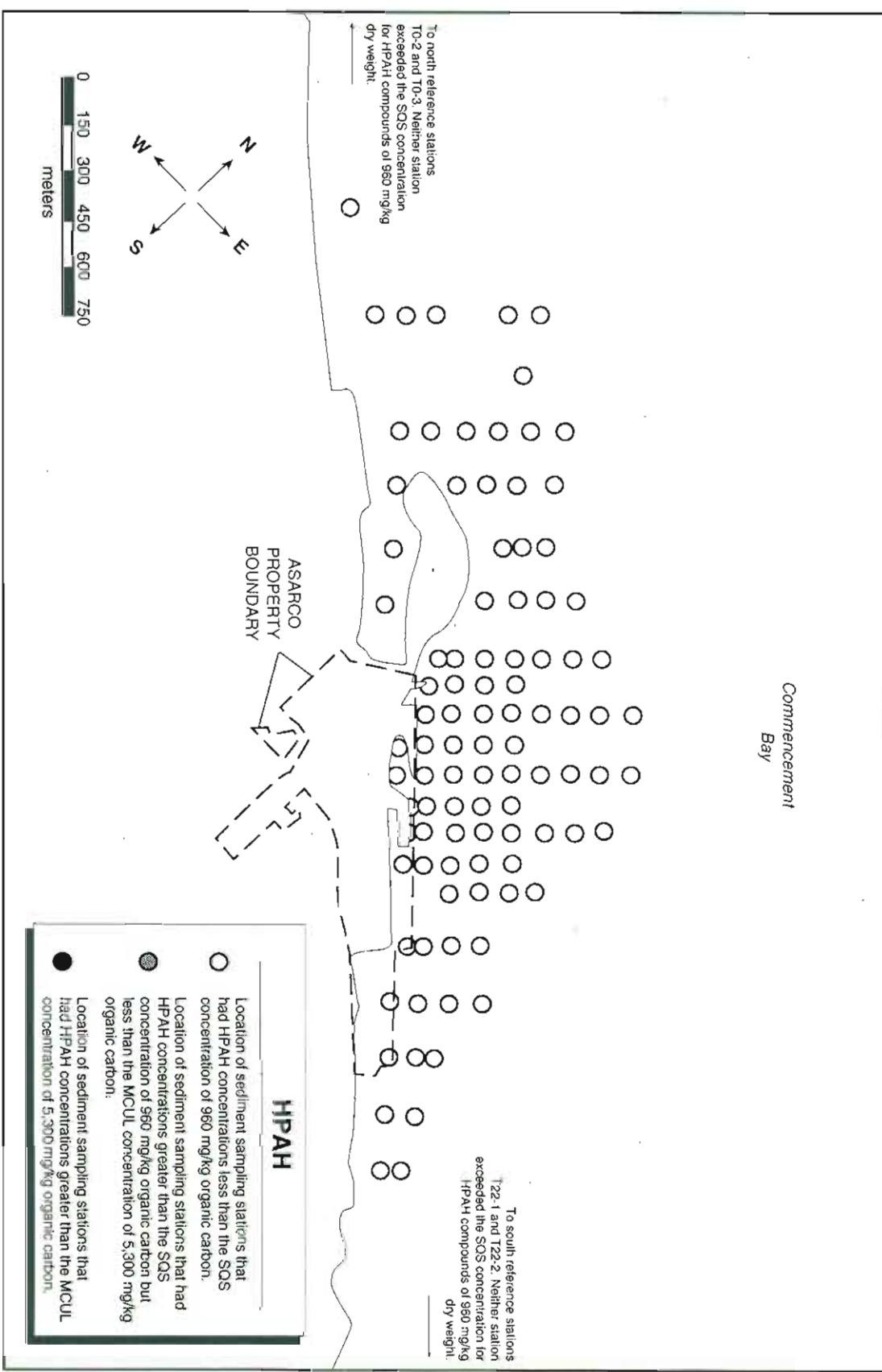


Figure A-116. Distribution of HPAH compounds in sediments of the ASARCO Study Area.

COMMENCEMENT BAY

ASARCO Study Area

Commencement
Bay

To north reference
stations TO-2 and TO-3.
Neither station exceeded
the SQS concentration
for PCBs of 12 mg/kg
dry weight.

To south reference stations
T22-1 and T22-2. Neither
station exceeded the SQS
concentration for PCBs of
12 mg/kg dry weight.

ASARCO
PROPERTY
BOUNDARY

PCBs

Location of sediment sampling stations
that had PCB concentrations less than the
SQS concentration of 12 mg/kg organic carbon.

Location of sediment sampling stations that
had PCB concentrations greater than the SQS
concentration of 12 mg/kg organic carbon but
less than the MCUL concentration of 65 mg/kg
organic carbon.

Location of sediment sampling stations that
had PCB concentrations greater than the MCUL
concentration of 65 mg/kg organic carbon.

N E S W

0 150 300 450 600 750
meters

Figure A-117. Distribution of PCBs in sediments of the ASARCO Study Area.