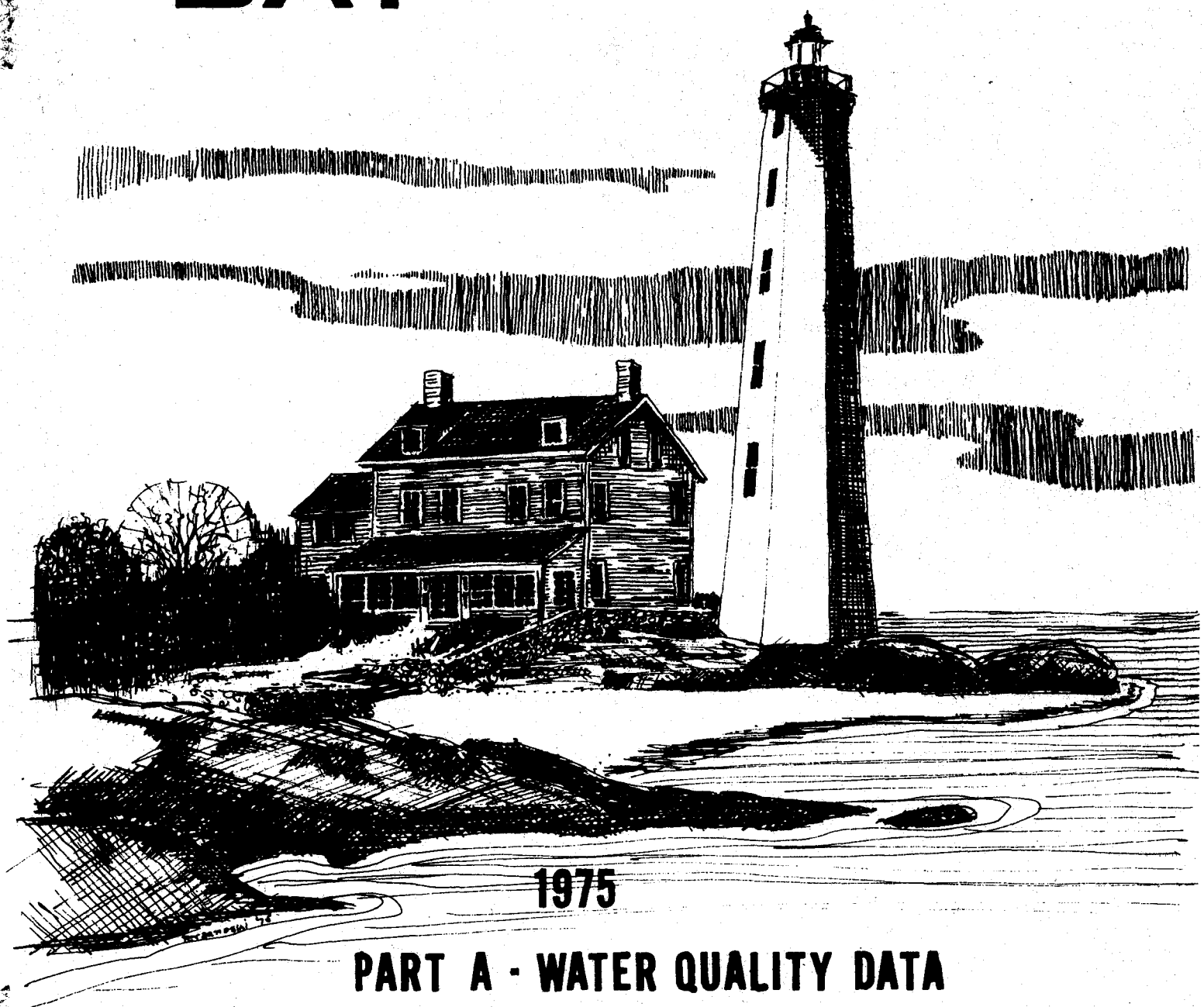
# BUZZARDS BAY



1975

## PART A - WATER QUALITY DATA

department of environmental quality engineering

DIVISION OF WATER POLLUTION CONTROL

thomas c. mcmahon, director

# BUZZARDS BAY

# 1975

# WATER QUALITY SURVEY DATA

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## FOREWORD

The Buzzards Bay 1975 surveys represent the Division's first intensive water quality sampling effort on most of the rivers and harbors within this basin. Prior to this, the Division had surveyed the Acushnet River and New Bedford Harbor during the summer of 1971. In most cases, the sampling station locations from 1971 were also used in the 1975 survey. Due to the size of the basin and the limitations on personnel and equipment, it was necessary to divide the area into two somewhat equal segments and survey each separately. These segments were designated Buzzards Bay I and II. Buzzards Bay I comprised the coastal waters from Westport to Fairhaven and the watersheds of the Acushnet, Paskamanset, and Westport Rivers. Buzzards Bay II included the coastal waters from Mattapoisett to Wareham and the watersheds of the Mattapoisett, Weweantic, Wankinco, and Agawam Rivers.

During the weeks of July 7-11 and August 18-22, the area of Buzzards Bay I was surveyed. The area of Buzzards Bay II was surveyed during the weeks of July 14-18 and August 25-29.

The sampling techniques varied for freshwater and saltwater stations. All freshwater stations were sampled on Tuesday and Thursday of each week. Samples were collected six times daily at four-hour intervals and composited to form one-gallon samples for chemical analyses. Saltwater stations were sampled on Tuesday and Thursday at low tide or separately at high and low tides. Samples for dissolved oxygen were collected with every chemical grab sample. In addition, samples were collected for dissolved oxygen from freshwater stations on Wednesday of each week to yield 72 hours of dissolved oxygen data at four-hour intervals. Dissolved oxygen samples from saltwater stations were also collected in Wednesday at low tide or high and low tide, depending upon the collection of chemical samples for that particular week. Samples for coliform bacteria were collected from all stations and delivered with the chemical samples on Wednesday and Friday of each week to the Lawrence Experiment Station, Division of Environmental Health, for analysis. On September 16 and October 7, 1975, bottom sediment samples were collected from 18 stations on the Acushnet River, New Bedford Harbor, Clark Cove, and Apponagansett Bay. The samples were delivered to the Lawrence Experiment Station on September 18 and October 10 for heavy metal analysis.

Procedures followed in the analysis of samples are described in Standard Methods for the Examination of Water and Wastewater (13th edition, 1971, American Public Health Association, New York).

All data were tabulated and verified by engineers of the Division of Water Pollution Control.

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TABLE A

BUZZARDS BAY BASIN CLASSIFICATION

| BOUNDARY | PRESENT USE | ANTICIPATED FUTURE USE | PRESENT CONDITION | CLASSIFICATION |
|---|---|---|---|---|
| New Bedford Reservoir, Acushnet | Emergency water supply | Same | B | B |
| Acushnet River from the outlet of New Bedford Reservoir, Acushnet, to Hamlin Road, Acushnet, New Bedford | Bathing, recreational boating, fish and wildlife propagation, fishing | Same | B | B |
| Acushnet River from Hamlin Road, Acushnet, New Bedford, to Main Street, Acushnet, New Bedford | Recreational boating, fish and wildlife propagation, fishing, assimilation | Bathing, recreational boating, fish and wildlife propagation, fishing | C | B |
| Acushnet River from Main Street, Acushnet, New Bedford, to Route 6, Acushnet, New Bedford, Fairhaven | Recreational boating, fish & wildlife propagation, fishing, industrial processing and cooling, assimilation | Bathing, recreational boating, fish & wildlife propagation, fishing, industrial processing and cooling | U | SB |
| Inner New Bedford Harbor, New Bedford, Fairhaven | Recreational boating, fish & wildlife propagation, fishing, industrial processing & cooling, assimilation | Bathing, recreational boating, fish and wildlife propagation, fishing, industrial processing & cooling | U | SB |
| Outer New Bedford Harbor, New Bedford, Fairhaven | Recreational boating, fish & wildlife propagation, fishing, industrial processing & cooling, assimilation | Bathing, recreational boating, fish & wildlife propagation, industrial processing & cooling, shellfishing | SC | SA |

TABLE A (Continued)

| BOUNDARY | PRESENT USE | ANTICIPATED FUTURE USE | PRESENT CONDITION | CLASSIFICATION |
|---|---|---|---|---|
| Clark Cove, New Bedford, Dartmouth | Bathing, recreational boating, fish & wildlife propagation, fishing, industrial processing & cooling, assimilation | Bathing, recreational boating, fish & wildlife propagation, fishing, industrial processing & cooling, shellfishing | SB | SA |
| Apponagansett Bay, Dartmouth | Bathing, recreational boating, fish & wildlife propagation, fishing | Bathing, recreational boating, fish & wildlife propagation, fishing, shellfishing | SB | SA |
| Paskamanset River, Dartmouth, New Bedford | Bathing, recreational boating, fish & wildlife propagation, fishing | Same | B1 | B |
| Slocums River, Dartmouth | Bathing, recreational boating, fish & wildlife propagation, fishing, shellfishing | Same | SA | SA |
| Shingle Island River, Dartmouth | Bathing, recreational boating, fish & wildlife propagation, fishing | Same | B | B |
| Noquochoke Lake, Dartmouth | Bathing, recreational boating, fish & wildlife propagation, fishing | Same | B | B |
| Westport River, East Branch, from the outlet of Noquochoke Lake, Dartmouth, to Old County Road, Westport | Recreational boating, fish & wildlife propagation, fishing | Bathing, recreational boating, fish & wildlife propagation, fishing | C | B |

TABLE A (Continued)

| BOUNDARY | PRESENT USE | ANTICIPATED FUTURE USE | PRESENT CONDITION | CLASSIFICATION |
|---|---|---|---|---|
| Westport River, East Branch, from Old County Road, Westport, to the mouth, Westport | Bathing, recreational boating, fish & wildlife propagation, fishing, shellfishing | Same | SA | SA |
| Westport River, West Branch, Westport | Bathing, recreational boating, fish & wildlife propagation, fishing, shellfishing | Same | SA | SA |
| Nasketucket Bay, Fairhaven, Mattapoisett | Bathing, recreational boating, fish & wildlife propagation, fishing, shellfishing | Same | SA | SA |
| Mattapoisett Harbor, Mattapoisett | Bathing, recreational boating, fish & wildlife propagation, fishing, shellfishing | Bathing, recreational boating, fish & wildlife propagation, fishing, shellfishing | SA[1] | SA |
| Mattapoisett River, Mattapoisett, Rochester | Bathing, recreational boating, fish & wildlife propagation, fishing, irrigation | Same | B | B |
| Aucoot Cove, Mattapoisett, Marion | Bathing, recreational boating, fish & wildlife propagation, fishing | Bathing, recreational boating, fish & wildlife propagation, fishing, shellfishing | SA[2] | SA |

[1] Nineteen acres closed due to discharges of sanitary waste through Mattapoisett's stormwater collection system.

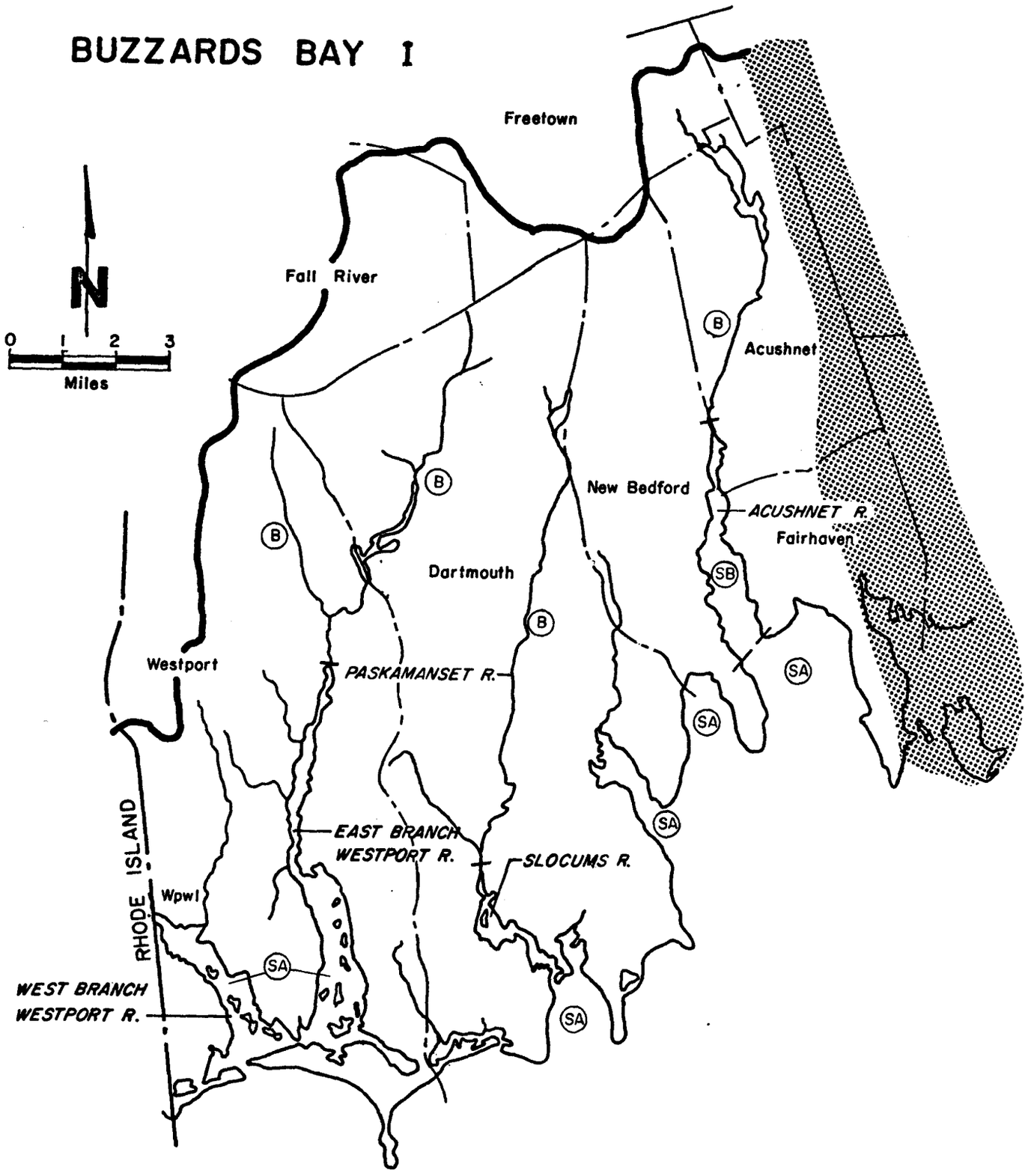
[2] Presently closed to shellfishing due to oil spill during winter of 1974-75.

TABLE A (Continued)

| BOUNDARY | PRESENT USE | ANTICIPATED FUTURE USE | PRESENT CONDITION | CLASSIFICATION |
|---|---|---|---|---|
| Sippican Harbor, Marion | Bathing, recreational boating, fish & wildlife propagation, fishing | Bathing, recreational boating, fish & wildlife propagation, fishing, shellfishing | SA[2] | SA |
| Weweantic River from the headwaters, Carver, to the outlet of Horseshoe Pond, Wareham | Bathing, recreational boating, fish & wildlife propagation, fishing, shellfishing | Same | B | B |
| Weweantic River from the outlet of Horseshoe Pond, Wareham, to the mouth, Wareham, Marion | Bathing, recreational boating, fish & wildlife propagation, fishing, shellfishing | Same | SA | SA |
| Sippican River from the headwaters, Rochester, Wareham, to County Road, Marion, Wareham | Bathing, recreational boating, fish & wildlife propagation, fishing, irrigation | Same | B | B |
| Sippican River from County Road, Marion, Wareham, to the mouth, Marion, Wareham | Bathing, recreational boating, fish & wildlife propagation, fishing, shellfishing | Same | SB | SA |
| Wankinco River, Carver, Plymouth, Wareham | Bathing, recreational boating, fish & wildlife propagation, fishing, irrigation, | Same | B | B |
| Agawam River, Plymouth, Wareham | Bathing, recreational boating, fish & wildlife propagation, fishing, irrigation, assimilation | Same | B | B |

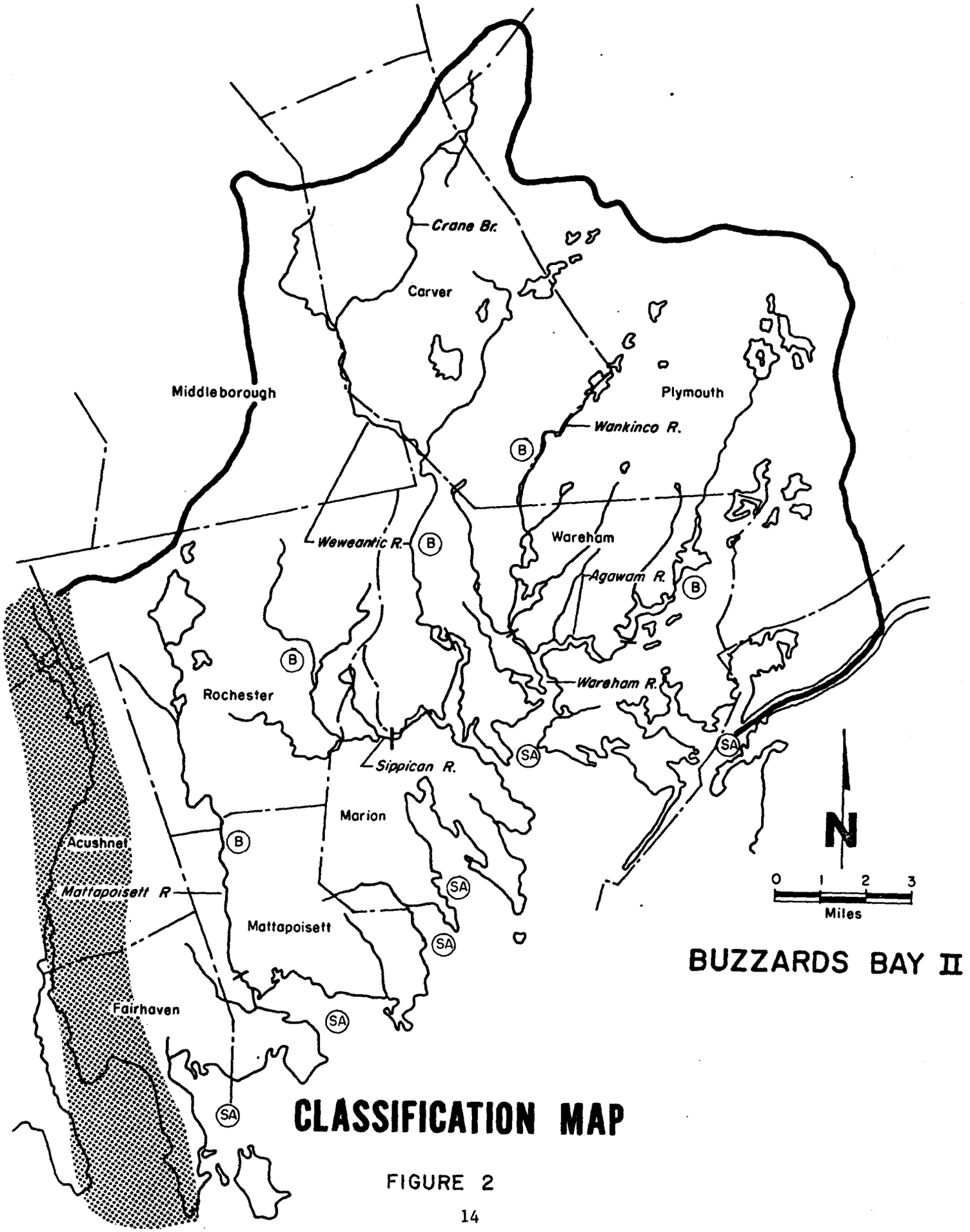
TABLE A (Continued)

| BOUNDARY | PRESENT USE | ANTICIPATED FUTURE USE | PRESENT CONDITION | CLASSIFICATION |
|---|---|---|---|---|
| Wareham River, Wareham | Bathing, recreational boating, fish & wildlife propagation, fishing, shellfishing, assimilation | Same | SB | SB |
| Onset Bay, Wareham | Bathing, recreational boating, fish & wildlife propagation, fishing, shellfishing | Same | SA | SA |
| All other freshwater streams within Buzzards Bay Basin | --- | --- | --- | B |
| All other coastal waters within Buzzards Bay Basin | --- | --- | --- | SA |




# CLASSIFICATION MAP

FIGURE 1




# CLASSIFICATION MAP

FIGURE 2

## DESCRIPTION OF BUZZARDS BAY BASIN

The Buzzards Bay Basin encompasses a drainage area of approximately 350 square miles. It lies to the south of Boston and borders the State of Rhode Island to the west and Cape Cod to the east. The 32-mile-long coastline is actually 210 miles in length after all the undulations are accounted for. The jagged coastline has produced numerous natural harbors and coves which support varied forms of recreation, business, and industry.

New Bedford Harbor, once famous for its whaling industry, still supports a large fishing fleet. It is the center of business and industrial activity within the basin and, in turn, suffers the most severe water quality problems. Not only have these problems limited its recreational uses but they have also closed the harbor to shellfishing. Periodic pollution problems such as oil spills have closed other areas of Buzzards Bay.

However, many acres of the highest quality shellfishing found within the Commonwealth of Massachusetts remain. The potential of discharges of sanitary waste from pleasure craft, however, place certain of these areas in danger of closure.

The major rivers within the Buzzards Bay Basin, from west to east, are as follows: Westport (East and West Branches), Paskamanset, Slocums, Acushnet, Mattapoisett, Weweantic, Wankinco, and Agawam.

With the exception of the Acushnet River, there are few major waste discharges to the basins comprising Buzzards Bay. Pollution problems are largely from non-point sources such as landfills, agricultural land, and stormwater runoff. Of major concern to the rivers primarily in the eastern portion of the basin has been the use of pesticides and insecticides on the cranberry bogs which form the headwaters of these rivers.

TABLE 1

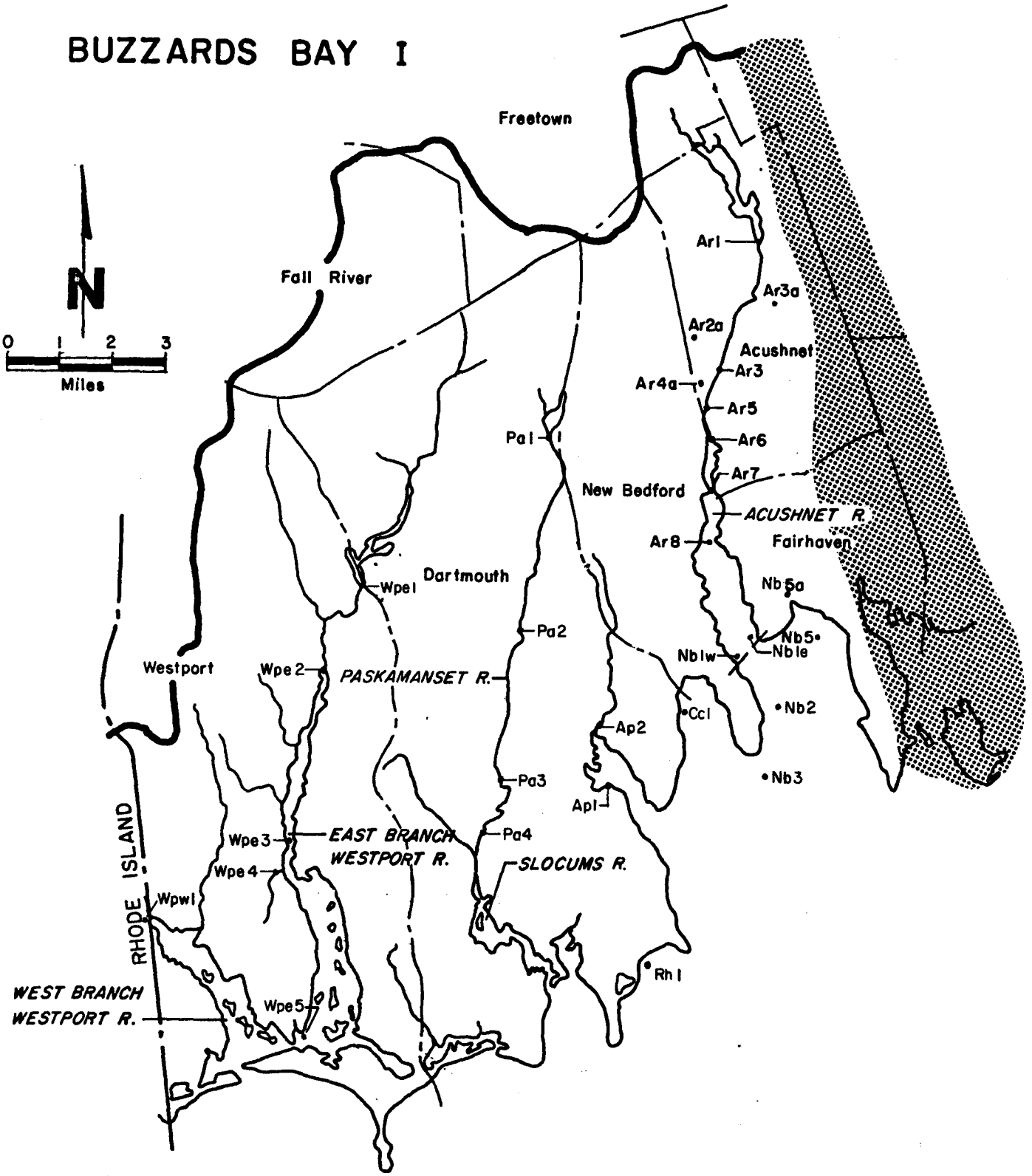
BUZZARDS BAY I 1975 SURVEY

LOCATION OF SAMPLING STATIONS

| STATION NUMBER | LOCATION | RIVER MILE |
|---|---|---|
| AR1 | Acushnet River, outlet of New Bedford Reservoir, Acushnet | 8.2 |
| AR2a | Tributary to Acushnet River through White's Dairy, Middle Road, Acushnet | 5.5, 0.5 |
| AR3 | Acushnet River at Hamlin Road, Acushnet | 5.5 |
| AR3a | Tributary to Acushnet River from Acushnet dump, Acushnet | 6.0, 0.7 |
| AR4a | Tributary to Acushnet River from Coury Heights, Acushnet | 5.0, 0.2 |
| AR5 | Acushnet River at dam above Acushnet Sawmill, Acushnet | 4.6 |
| AR6 | Acushnet River at Main Street, Acushnet-New Bedford city line | 4.5 |
| AR7 | Acushnet River opposite Coffin Avenue, Fairhaven-Acushnet-New Bedford city line | 3.1 |
| AR8 | Acushnet River opposite radio station WBSM tower, Fairhaven-New Bedford city line | 2.1 |
| AP1 | Apponagansett Bay, Gulf Hill Road, Dartmouth | |
| AP2 | Buttonwood Brook, Elm Street, Dartmouth | |
| CC1 | Clark Cove at Jones Park Beach, Fairhaven | |
| NB1 West<br>NB1 East | New Bedford Harbor inside hurricane barrier, Fairhaven-New Bedford city line | 0.2 |
| NB2 | New Bedford Harbor at Butler Flats Lightship, New Bedford | |
| NB3 | New Bedford Harbor at New Bedford's sewer outfall, New Bedford | |
| NB5 | New Bedford Harbor off Pope Beach, Fairhaven | |
| NB5a | Drainage ditch to New Bedford Harbor from Atlas Tach Co. lagoons, Fairhaven | |

TABLE 1 (Continued)

| STATION NUMBER | LOCATION | RIVER MILE |
|---|---|---|
| PA1 | Paskamanset River, outlet of Turner Pond, Plainville Road, Dartmouth-New Bedford city line | 13.6 |
| PA2 | Paskamanset River, Route 6, Dartmouth | 10.2 |
| PA3 | Paskamanset River, Russells Mills Road, above Dartmouth dump, Dartmouth | 5.7 |
| PA4 | Paskamanset River, Russells Mills Road, below Dartmouth dump, Dartmouth | 4.0 |
| RH1 | Round Hill Beach, Dartmouth | |
| SI1 | Shingle Island River, Pine Island Road, Dartmouth | 18.5 |
| WPE1 | Westport River, East Branch, outlet of Noquochoke Lake, Route 6, Dartmouth | 12.0 |
| WPE2 | Westport River, East Branch, Old County Road, Westport | 10.0 |
| WPE3 | Westport River, East Branch, Hix Bridge Road, Westport | 6.3 |
| WPE4 | Tributary to Westport River, East Branch, from Westport dump, Westport | 5.7, 0.1 |
| WPE5 | Westport River, East Branch, Route 88 bridge, Westport | 2.2 |
| WPW1 | Westport River, West Branch, at U.S.G.S. gage, Adamsville, R.I. | 4.5 |




# LOCATION OF SAMPLING STATIONS

FIGURE 3

TABLE 2

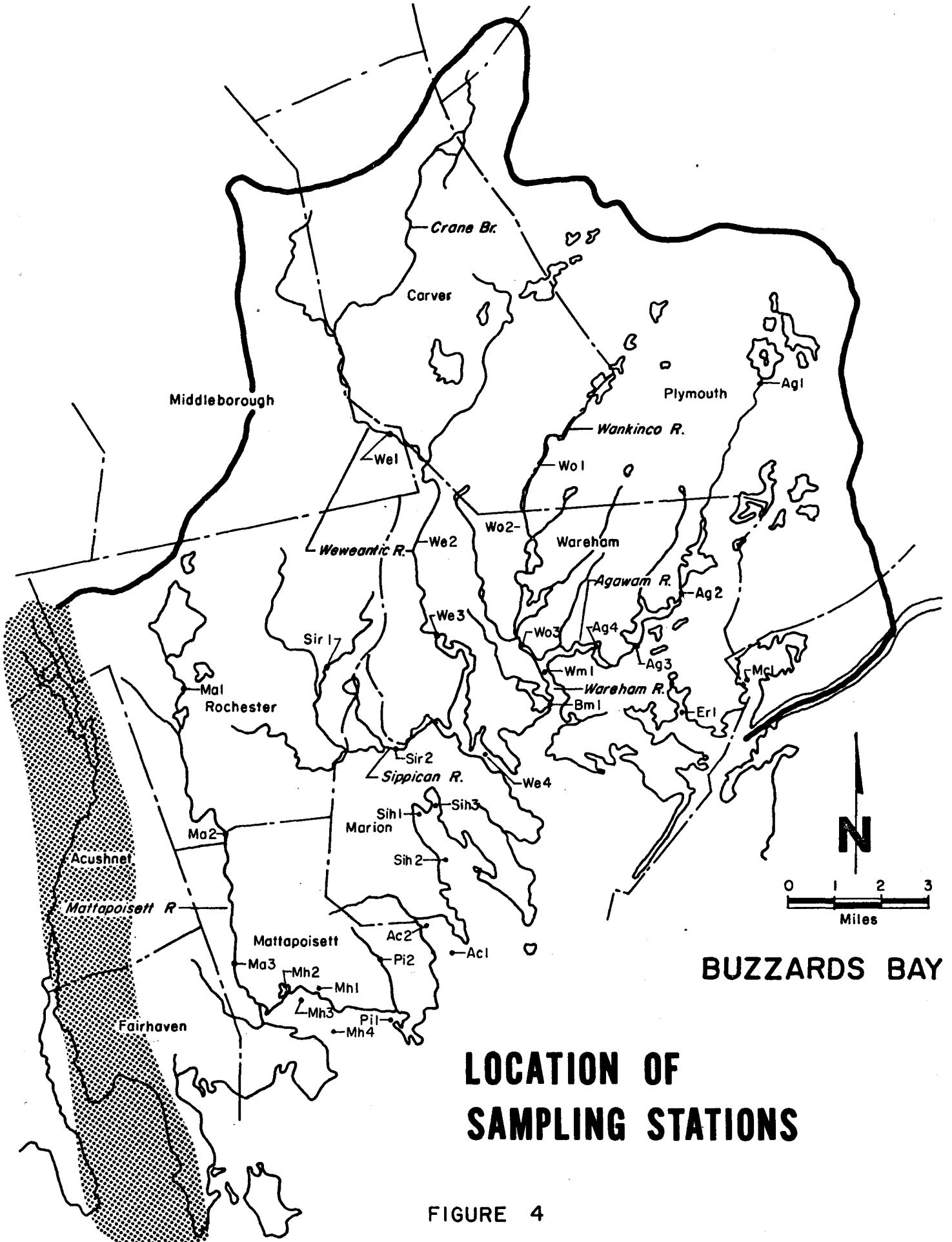
BUZZARDS BAY II 1975 SURVEY

LOCATION OF SAMPLING STATIONS

| STATION NUMBER | LOCATION | RIVER MILE |
|---|---|---|
| AG1 | Agawam River, outlet of Halfway Pond, Plymouth | 12.6 |
| AG2 | Agawam River, at Maple Park, Wareham | 7.4 |
| AG3 | Agawam River, outlet of Mill Pond, Route 28, Wareham | 5.4 |
| AG4 | Agawam River, Route 6, Wareham | 4.2 |
| AC1 | Aucoot Cove, between Joes Point and Converse Point, Mattapoisett-Marion | |
| AC2 | Aucoot Cove, of Haskell Island, Mattapoisett-Marion | |
| BM1 | Broad Marsh River at mouth, Wareham | 1.6, 0.0 |
| ER1 | East River at mouth, Onset Avenue, Wareham | 0.0 |
| MH1 | Unnamed brook to Mattapoisett Harbor, Main Street, Mattapoisett | 0.05 |
| MH2 | Mattapoisett Harbor, outlet of Eel Pond, Mattapoisett | |
| MH3 | Mattapoisett Harbor at Nun 8, Mattapoisett | |
| MH4 | Mattapoisett Harbor at Nun 6, Mattapoisett | |
| MA1 | Mattapoisett River, Snipatuit Road, Rochester | 9.5 |
| MA2 | Mattapoisett River, Wolf Island Road, Mattapoisett | 4.8 |
| MA3 | Mattapoisett River, Acushnet Road, Mattapoisett | 1.7 |
| MC1 | Miller Cove, Wareham | |
| PI1 | Pine Island Pond, outlet, Mattapoisett | |
| PI2 | Unnamed brook to Pine Island Pond, Route 6, Marion | 1.1 |
| SIH1 | Sippican Harbor, off Black Point, Marion | |
| SIH2 | Sippican Harbor, off Ram Island, Marion | |
| SIH3 | Sippican Harbor, Hammett Cove, Marion | |

TABLE 2 (Continued)

| STATION NUMBER | LOCATION | RIVER MILE |
|---|---|---|
| SIR1 | Sippican River, Pierceville Road, Rochester | 2.2, 6.8 |
| SIR2 | Sippican River, County Road, Wareham | 2.2, 2.1 |
| WO1 | Wankinco River, above regional landfill, Carver | 2.6, 4.5 |
| WO2 | Wankinco River, below regional landfill, Carver | 2.6, 3.4 |
| WO3 | Wankinco River, below Tremont Nail Co., Main Street, Wareham | 2.6, 0.4 |
| WM1 | Wareham River, Route 6, Wareham | 2.5 |
| WE1 | Weweantic River, Rochester Road, Middleborough-Carver line | 12.2 |
| WE2 | Weweantic River, Route 28, Wareham | 8.1 |
| WE3 | Weweantic River, Squire Island Road, Wareham | 5.3 |
| WE4 | Weweantic River, Route 6, Marion-Wareham line | 2.1 |




BUZZARDS BAY II

# LOCATION OF SAMPLING STATIONS

FIGURE 4

TABLE 3

BUZZARDS BAY I 1975 SURVEY

DISSOLVED OXYGEN (mg/l) - TIME - TEMPERATURE ($^{o}$F)

| STATION | 7/8/75 RUN 1 | RUN 2 | RUN 3 | RUN 4 | RUN 5 | RUN 6 | RUN 7 | 7/9/75 RUN 8 | RUN 9 | RUN 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ACUSHNET RIVER | | | | | | |
| AR1 | *0225 | 0610 | 1005 | 1405 | 1810 | 2210 | 0225 | 0600 | 1010 | 1410 |
| | **77.0 | 78.0 | 76.0 | 78.0 | 77.0 | 75.0 | 77.0 | 74.0 | 76.0 | 78.0 |
| | *** 6.7 | 6.7 | 6.7 | 7.1 | 8.2 | 5.6 | 6.5 | 6.4 | 6.1 | 5.8 |
| AR2a | 0240 | 0620 | 1016 | 1415 | No | No | 0235 | 0608 | 1020 | 1420 |
| | 76.0 | 66.0 | 68.0 | 70.0 | Flow | Flow | -- | 67.0 | 70.0 | 73.0 |
| | 2.7 | 3.3 | 2.0 | 1.4 | | | 2.6 | 3.4 | 3.7 | 4.3 |
| AR3 | 0243 | 0625 | 1021 | 1420 | 1823 | 2215 | 0215 | 0612 | 1023 | 1424 |
| | 74.0 | 72.0 | 71.0 | 72.0 | 73.0 | 71.0 | -- | 70.0 | 71.0 | 73.0 |
| | 5.4 | 3.8 | 5.0 | 6.7 | 7.1 | 7.0 | 6.5 | 4.5 | 8.3 | 7.7 |
| AR3a | 0210 | 0600 | 0955 | 1355 | 1800 | 2200 | 0200 | 0550 | 0958 | 1340 |
| | 68.0 | 67.0 | 65.0 | 68.0 | 67.0 | 68.0 | 64.0 | 67.0 | 67.0 | 70.0 |
| | 0.8 | 0.7 | 1.3 | 3.4 | 2.6 | 1.0 | 0.8 | 2.0 | 1.8 | 3.5 |
| AR4a | 0250 | 0630 | 1027 | 1425 | 1828 | 2220 | 0243 | 0616 | 1027 | 1427 |
| | 66.0 | 65.0 | 64.0 | 64.0 | 68.0 | 65.0 | 64.0 | 64.0 | 66.0 | 73.0 |
| | 5.9 | 5.8 | 5.9 | 6.2 | 5.8 | 5.9 | 5.9 | 5.8 | 6.6 | 6.0 |
| AR5 | 0300 | 0637 | 1033 | 1430 | 1830 | 2225 | 0247 | 0621 | 1032 | 1430 |
| | 74.0 | 73.0 | 72.0 | 73.0 | 75.0 | 72.0 | 72.0 | 72.0 | 72.0 | 67.0 |
| | 3.7 | 2.3 | 1.9 | 2.9 | 3.1 | 3.1 | 3.0 | 2.0 | 2.7 | 2.8 |
| AR6 | 0304 | 0642 | 1040 | 1435 | 1840 | 2240 | 0252 | 0624 | 1035 | 1435 |
| | 74.0 | 74.0 | 73.0 | 73.0 | 74.0 | 73.0 | -- | 71.0 | 72.0 | 74.0 |
| | 5.8 | 5.4 | 6.2 | 6.8 | 7.0 | 5.6 | 5.6 | 5.7 | 4.9 | 7.3 |

*Time
**Temperature
***Dissolved Oxygen

TABLE 3 (Continued)

BUZZARDS BAY I 1975 SURVEY

DISSOLVED OXYGEN (mg/1) - TIME - TEMPERATURE (°F)

| | 7/9/75 | | | 7/10/75 | | | | | 7/11/75 |
|---|---|---|---|---|---|---|---|---|---|
| STATION | RUN 11 | RUN 12 | RUN 13 | RUN 14 | RUN 15 | RUN 16 | RUN 17 | RUN 18 | RUN 19 |
| AR1 | 1805 | 2200 | 0218 | 0602 | 1010 | 1405 | 1805 | 2205 | 0210 |
| | 78.0 | 74.0 | 76.0 | 77.0 | 77.0 | 84.0 | 78.0 | 75.0 | 76.0 |
| | 6.3 | 6.2 | 6.3 | 5.6 | 5.9 | 6.2 | 6.5 | 6.0 | 6.2 |
| AR2 [a] | 1810 | 2207 | 0225 | 0612 | 1023 | 1417 | 1819 | 2210 | 0221 |
| | 72.0 | 68.0 | 68.0 | 69.0 | 70.0 | 76.0 | 74.0 | 70.0 | 70.0 |
| | 3.0 | 2.8 | 3.2 | 3.1 | 2.0 | 2.0 | 2.1 | 1.7 | 2.7 |
| AR3 | 1817 | 2215 | 0230 | 0615 | 1026 | 1420 | 1815 | 2215 | 0226 |
| | 75.0 | 74.0 | 74.0 | 74.0 | 74.0 | 77.0 | 71.0 | 77.0 | 73.0 |
| | 9.0 | 7.7 | 6.0 | 4.3 | 5.6 | 7.9 | 8.9 | 7.3 | 6.0 |
| AR3a | 1800 | 2150 | 0204 | 0555 | 1000 | 1355 | 1800 | 2200 | 0158 |
| | 67.0 | 67.0 | 68.0 | 67.0 | 68.0 | 73.0 | 72.0 | 68.0 | 68.0 |
| | 2.3 | 0.9 | 1.4 | 0.5 | 1.4 | 4.0 | 2.6 | 0.5 | 0.5 |
| AR4a | 1820 | 2218 | 0236 | 0622 | 1030 | 1425 | 1825 | 2215 | 0230 |
| | 76.0 | 66.0 | 66.0 | 67.0 | 66.0 | 68.0 | 68.0 | 66.0 | 69.0 |
| | 6.2 | 5.7 | 5.9 | 6.0 | 6.1 | 6.1 | 5.2 | 4.4 | 5.9 |
| AR5 | 1830 | 2225 | 0242 | 0628 | 1035 | 1430 | 1830 | 2225 | 0236 |
| | 72.0 | 71.0 | 71.0 | 74.0 | 74.0 | 76.0 | 74.0 | 73.0 | 73.0 |
| | -- | 3.5 | 3.3 | 2.6 | 2.9 | 4.0 | 4.8 | 3.5 | 2.2 |
| AR6 | 1835 | 2227 | 0250 | 0632 | 1040 | 1435 | 1835 | 2230 | 0243 |
| | 73.0 | 72.0 | 72.0 | 73.0 | 74.0 | 77.0 | 73.0 | 74.0 | 72.0 |
| | 7.1 | 6.0 | 6.2 | 5.9 | 5.5 | 7.2 | 7.0 | 6.1 | 6.2 |

TABLE 3 (Continued)

| STATION | 7/8/75 RUN 1 | RUN 2 | RUN 3 | RUN 4 | RUN 5 | RUN 6 | 7/9/75 RUN 7 | RUN 8 | RUN 9 | RUN 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| **APPONAGANSET BAY** | | | | | | | | | | |
| AP2 | 0344 | 0719 | 1125 | 1520 | 1920 | 2345 | 0325 | 0647 | 1115 | 1513 |
| | 71.0 | 70.0 | 70.0 | 70.0 | 68.0 | 69.0 | 70.0 | 69.0 | 69.0 | 71.0 |
| | 6.2 | 6.6 | 7.2 | 7.4 | 7.1 | 6.8 | 6.8 | 6.6 | 7.5 | 7.5 |
| **NEW BEDFORD HARBOR** | | | | | | | | | | |
| NB5a | 0510 | 0900 | 1300 | 1650 | 2055 | 0110 | 0440 | 0810 | 1245 | 1640 |
| | 68.0 | -- | 67.0 | -- | 72.0 | 66.0 | 67.0 | 68.0 | 68.0 | 60.0 |
| | 5.1 | 4.4 | 5.6 | 5.8 | 7.9 | 5.0 | 4.9 | 5.0 | 5.6 | 5.9 |
| **PASKAMANSET RIVER** | | | | | | | | | | |
| PA1 | 0325 | 0702 | 1105 | 1455 | 1900 | 2330 | 0310 | 0638 | 1057 | 1455 |
| | 78.0 | 77.0 | 76.0 | 76.0 | 76.0 | 62.0 | 76.0 | 74.0 | 77.0 | 78.0 |
| | 3.8 | 3.9 | -- | 6.1 | 3.4 | 3.3 | 3.2 | 3.3 | 2.9 | 3.1 |
| PA3 | 0354 | 0737 | 1133 | 1525 | 1940 | 2355 | 0335 | 0656 | 1130 | 1520 |
| | 69.0 | 68.0 | 68.0 | 68.0 | 69.0 | 69.0 | 67.0 | 67.0 | 68.0 | 69.0 |
| | 5.4 | 5.3 | 5.8 | 5.8 | 7.9 | 5.1 | 5.7 | 5.4 | 5.6 | 5.8 |
| PA4 | 0400 | 0745 | 1140 | 1535 | 1945 | 0005 | 0340 | 0702 | 1135 | 1525 |
| | 74.0 | 72.0 | 71.0 | 71.0 | 72.0 | 70.0 | 76.0 | 70.0 | 71.0 | 72.0 |
| | 4.8 | 4.6 | 5.8 | 5.0 | 6.9 | 5.4 | 5.3 | 5.4 | 4.5 | 5.7 |
| **SHINGLE ISLAND RIVER** | | | | | | | | | | |
| SI1 | 0315 | 0654 | 1055 | 1450 | 1850 | 2325 | 0304 | 0632 | 1050 | 1450 |
| | 68.0 | 64.0 | 61.0 | 64.0 | 65.0 | 62.0 | 64.0 | 64.0 | 63.0 | 67.0 |
| | 7.0 | 6.4 | 7.8 | 8.5 | 8.5 | 7.0 | 6.9 | 6.9 | 8.4 | 8.9 |
| **WESTPORT RIVER - EAST BRANCH** | | | | | | | | | | |
| WPE1 | 0445 | 0835 | 1235 | 1625 | 2030 | 0050 | 0425 | 0745 | 1220 | 1612 |
| | 78.0 | 76.0 | 77.0 | -- | 74.0 | 74.0 | 73.0 | 73.0 | 74.0 | 76.0 |
| | 6.3 | 5.2 | 6.2 | 6.1 | 6.3 | 5.0 | 4.8 | 5.4 | 5.0 | 4.9 |
| WPE2 | 0440 | 0825 | 1225 | 1620 | 2020 | 0040 | 0415 | 0738 | 1215 | 1605 |
| | 72.0 | 72.0 | 72.0 | 71.0 | 71.0 | 68.0 | 69.0 | 69.0 | 71.0 | 72.0 |
| | 6.0 | 6.4 | 6.9 | 7.0 | 8.1 | 6.2 | 6.4 | 6.5 | 6.5 | 7.0 |

TABLE 3 (Continued)

| STATION | 7/9/75 RUN 11 | RUN 12 | RUN 13 | 7/10/75 RUN 14 | RUN 15 | RUN 16 | RUN 17 | RUN 18 | 7/11/75 RUN 19 |
|---|---|---|---|---|---|---|---|---|---|
| AP2 | 1910 | 2303 | 0330 | 0730 | 1122 | 1515 | 1910 | 2308 | 0320 |
| | 71.0 | 70.0 | -- | 70.0 | 72.0 | 76.0 | 74.0 | 73.0 | 72.0 |
| | 6.1 | 6.7 | 6.6 | 6.9 | 7.4 | 6.8 | 6.6 | 5.7 | 6.3 |
| NB5a | 2025 | 0014 | 0554 | 0850 | 1240 | 1640 | 2020 | 0020 | 0430 |
| | 71.0 | 67.0 | 68.0 | 69.0 | 71.0 | 69.0 | 67.0 | 69.0 | 69.0 |
| | 5.5 | 5.1 | 5.0 | 4.1 | 5.7 | 5.2 | 4.3 | -- | 4.8 |
| PA1 | 1853 | 2250 | 0311 | 0714 | 1105 | 1455 | 1855 | 2253 | 0304 |
| | 77.0 | 76.0 | 76.0 | 75.0 | 80.0 | 83.0 | 77.0 | 76.0 | 76.0 |
| | 4.1 | 3.6 | 3.8 | 3.2 | 5.2 | 5.3 | 3.6 | 3.4 | 3.8 |
| PA3 | 1920 | 2310 | 0337 | 0737 | 1130 | 1520 | 1918 | 2315 | 0326 |
| | 68.0 | 68.0 | 67.0 | 69.0 | 69.0 | 72.0 | 71.0 | 69.0 | 70.0 |
| | 5.7 | 5.4 | 5.7 | 5.2 | 4.9 | 6.2 | 6.0 | 5.6 | 5.7 |
| PA4 | 1923 | 2315 | 0344 | 0745 | 1135 | 1525 | 1922 | 2325 | 0332 |
| | 73.0 | 73.0 | 71.0 | 71.0 | 77.0 | 79.0 | 76.0 | 72.0 | 74.0 |
| | 6.0 | 5.8 | 6.2 | 5.9 | 5.7 | 4.4 | 6.5 | 6.6 | 6.3 |
| SI1 | 1845 | 2240 | 0305 | 0705 | 1055 | 1450 | 1845 | 2245 | 0256 |
| | 68.0 | 65.0 | 66.0 | 67.0 | 66.0 | 69.0 | 68.0 | 67.0 | 68.0 |
| | 8.3 | 7.0 | 6.9 | 6.9 | 7.3 | 8.2 | 8.1 | 7.0 | 6.7 |
| WPE1 | 2002 | 2357 | 0432 | 0829 | 1220 | 1615 | 2002 | 0002 | 0420 |
| | 73.0 | 74.0 | 77.0 | 76.0 | 78.0 | 78.0 | 74.0 | 74.0 | -- |
| | 4.2 | 4.9 | 5.4 | 5.2 | 5.9 | 5.3 | 5.1 | -- | 5.7 |
| WPE2 | 1955 | 2350 | 0424 | 0820 | 1210 | 1605 | 1955 | 2355 | 0410 |
| | 71.0 | 70.0 | 72.0 | 72.0 | 73.0 | 76.0 | 74.0 | 74.0 | 74.0 |
| | 6.9 | 6.4 | 6.7 | 6.5 | 6.2 | 6.6 | 6.8 | 6.6 | 6.3 |

TABLE 3 (Continued)

| STATION | 7/8/75 RUN 1 | RUN 2 | RUN 3 | RUN 4 | RUN 5 | RUN 6 | 7/9/75 RUN 7 | RUN 8 | RUN 9 | RUN 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| WPE4 | 0412 | 0800 | 1155 | 1550 | 2000 | 0015 | 0404 | 0725 | 1150 | 1535 |
| | 68.0 | 68.0 | 65.0 | 65.0 | 66.0 | 66.0 | -- | 69.0 | 65.0 | 66.0 |
| | 6.6 | 6.8 | 7.3 | 7.0 | 8.2 | 7.0 | 5.3 | 5.8 | 7.1 | 6.9 |
| | | | | WESTPORT RIVER - WEST BRANCH | | | | | | |
| WPW1 | 0425 | 0810 | 1210 | 1600 | 2007 | 0025 | 0355 | 0714 | 1200 | 1545 |
| | 71.0 | 71.0 | 69.0 | 70.0 | 69.0 | 68.0 | 66.0 | 65.0 | 70.0 | 71.0 |
| | 5.4 | 4.6 | 5.8 | 6.1 | 6.0 | 4.2 | 7.4 | 7.4 | 6.1 | 6.0 |

TABLE 3 (Continued)

| STATION | 7/9/75 RUN 11 | RUN 12 | RUN 13 | RUN 14 | 7/10/75 RUN 15 | RUN 16 | RUN 17 | RUN 18 | 7/11/75 RUN 19 |
|---|---|---|---|---|---|---|---|---|---|
| WPE4 | 1935 | 2327 | 0400 | 0756 | 1145 | 1540 | 1932 | 2230 | 0345 |
| | 76.0 | 66.0 | 67.0 | 68.0 | 68.0 | 69.0 | 69.0 | 68.0 | 69.0 |
| | 6.9 | 7.1 | 7.3 | 7.2 | 6.4 | 6.1 | 6.5 | 6.7 | 6.8 |
| WPW1 | 1945 | 2340 | 0410 | 0807 | 1200 | 1547 | 1945 | 2345 | 0355 |
| | 70.0 | 70.0 | 70.0 | 70.0 | 71.0 | 74.0 | 72.0 | 71.0 | 74.0 |
| | 4.8 | 4.4 | 5.5 | 5.7 | 5.6 | 6.0 | -- | 4.5 | 5.9 |

TABLE 4

DISSOLVED OXYGEN (mg/l) - TIME - TEMPERATURE ($^{o}$F)

TIDAL STATIONS - SAMPLED AT LOW TIDE

| STATION | 7/8/75 | 7/9/75 | 7/10/75 |
|---|---|---|---|
| | | ACUSHNET RIVER | |
| AR7 - Top | 1540 | 1450 | 1640 |
| | 72.0 | 74.0 | 75.0 |
| | 3.9 | 6.3 | 4.1 |
| AR7 - Bottom | 1540 | --- | 1640 |
| | 72.0 | --- | 74.0 |
| | 3.7 | --- | 2.8 |
| AR8 - Top | 1525 | 1440 | 1630 |
| | 72.0 | 74.0 | 74.0 |
| | 5.2 | 4.7 | 6.4 |
| AR8 - Bottom | 1525 | 1440 | 1630 |
| | 72.0 | 74.0 | 74.0 |
| | 3.9 | 4.7 | 4.6 |
| | | APPONAGANSET BAY | |
| AP1 - Top | 1435 | 1615 | 1615 |
| | 75.0 | 76.0 | 78.0 |
| | 4.1 | 7.6 | 7.2 |
| | | CLARK COVE | |
| CC1 - Top | 1310 | 1600 | 1450 |
| | 73.0 | 74.0 | 74.0 |
| | 7.6 | 7.7 | 6.8 |
| | | NEW BEDFORD HARBOR | |
| NB1 West - Top | 1505 | 1430 | 1620 |
| | 72.0 | 73.0 | 74.0 |
| | 8.3 | 5.6 | 7.4 |
| NB1 West - Bottom | --- | 1430 | 1620 |
| | --- | 72.0 | 74.0 |
| | --- | 5.3 | 6.9 |
| NB1 East - Top | 1455 | 1415 | 1610 |
| | 72.0 | 73.0 | 74.0 |
| | 8.4 | 6.6 | 6.8 |
| NB1 East - Bottom | 1455 | 1415 | 1610 |
| | 72.0 | 72.0 | --- |
| | 5.0 | 6.3 | 5.7 |

TABLE 4 (Continued)

| STATION | 7/8/75 | 7/9/75 | 7/10/75 |
|---|---|---|---|
| NB2 - Top | 1430 | 1400 | 1600 |
| | 72.0 | 72.0 | 72.0 |
| | 7.5 | 6.9 | 6.9 |
| NB2 - Bottom | 1430 | 1400 | 1600 |
| | 68.0 | 70.0 | 72.0 |
| | 5.9 | 5.9 | 6.5 |
| NB3 - Top | 1340 | 1335 | 1510 |
| | 70.0 | 71.0 | 72.0 |
| | 7.1 | 6.8 | 7.1 |
| NB3 - Bottom | 1340 | 1335 | 1510 |
| | 68.0 | 68.0 | 70.0 |
| | 7.1 | 5.8 | 5.4 |
| NB5 - Top | 1410 | 1345 | 1540 |
| | 73.0 | 72.0 | 74.0 |
| | 7.6 | 6.9 | 7.5 |
| NB5 - Bottom | 1410 | 1345 | 1540 |
| | 70.0 | 72.0 | 72.0 |
| | 5.3 | 6.7 | 7.6 |
| | ROUND HILL BEACH | | |
| RH1 - Top | 1330 | 1655 | 1510 |
| | 74.0 | 72.0 | 74.0 |
| | 7.0 | 6.9 | 7.3 |
| | WESTPORT RIVER - EAST BRANCH | | |
| WPE3 - Top | 1545 | 1745 | 1845 |
| | 76.0 | 76.0 | 78.0 |
| | 5.6 | 7.6 | 8.8 |
| WPE5 - Top | 1410 | 1735 | 1550 |
| | 74.0 | 72.0 | 75.0 |
| | 6.2 | 7.5 | 7.6 |

TABLE 5

BUZZARDS BAY I 1975 SURVEY

DISSOLVED OXYGEN (mg/1) - TIME - TEMPERATURE (°F)

| | 8/19/75 | | | | | | 8/20/75 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| STATION | RUN 1 | RUN 2 | RUN 3 | RUN 4 | RUN 5 | RUN 6 | RUN 7 | RUN 8 | RUN 9 | RUN 10 |
| | | | | | ACUSHNET RIVER | | | | | |
| AR1 | 0235 | 0555 | 1008 | 1404 | 1805 | 2205 | 0213 | 0603 | 1012 | 1400 |
| | 71.0 | 73.0 | -- | 79.0 | 76.0 | 73.0 | 73.0 | 72.0 | 73.0 | 78.0 |
| | 6.4 | 6.2 | 6.2 | 6.8 | 7.2 | 7.2 | 6.2 | 5.8 | 6.0 | 6.9 |
| AR2 a | 0245 | 0604 | 1019 | 1415 | 1815 | 2215 | 0224 | 0611 | 1021 | 1409 |
| | 65.0 | 62.0 | 68.0 | 71.0 | 67.0 | 58.0 | 61.0 | 64.0 | 66.0 | 71.0 |
| | 1.3 | 2.8 | 2.6 | 1.2 | 1.3 | 1.8 | 2.7 | 2.5 | 2.8 | 1.2 |
| AR3 | 0250 | 0609 | 1025 | 1420 | 1820 | 2220 | 0230 | 0615 | 1025 | 1415 |
| | 72.0 | 67.0 | 70.0 | 76.0 | 75.0 | 68.0 | 70.0 | 67.0 | 69.0 | 71.0 |
| | 5.9 | 4.3 | 6.4 | 10.2 | 11.0 | 8.9 | 6.6 | 4.6 | 7.5 | 9.5 |
| AR3a | 0220 | 0545 | 0958 | 1352 | 1800 | 2200 | 0202 | 0555 | 1001 | 1350 |
| | 64.0 | 63.0 | 62.0 | 72.0 | 72.0 | 62.0 | 58.0 | 62.0 | 63.0 | 68.0 |
| | 0.1 | 0.5 | 0.5 | -- | 4.0 | 0.5 | 0.7 | 0.9 | 0.8 | 5.1 |
| AR4a | 0250 | 0613 | 1028 | 1425 | 1825 | 2225 | 0234 | 0618 | 1030 | 1420 |
| | 64.0 | 61.0 | 67.0 | 68.0 | 64.0 | 61.0 | 60.0 | 60.0 | 64.0 | 66.0 |
| | 4.2 | 5.1 | 6.1 | 5.2 | 2.5 | 2.3 | 2.7 | 4.7 | 5.2 | 6.6 |
| AR5 | 0302 | 0618 | 1032 | 1430 | 1830 | 2230 | 0238 | 0624 | 1035 | 1426 |
| | 69.0 | 69.0 | 71.0 | 71.0 | 73.0 | 66.0 | 68.0 | 69.0 | 69.0 | 69.0 |
| | 0.9 | 1.1 | 1.7 | 2.1 | 1.4 | 1.1 | 1.1 | 1.8 | 1.5 | 1.9 |
| AR6 | 0307 | 0623 | 1037 | 1433 | 1835 | 2235 | 0243 | 0627 | 1040 | 1430 |
| | 68.0 | 66.0 | 71.0 | 74.0 | 69.0 | 68.0 | 66.0 | 68.0 | 71.0 | 72.0 |
| | 5.5 | 5.0 | 6.8 | 7.0 | 6.3 | 5.4 | 5.7 | 4.9 | 6.5 | 7.4 |

TABLE 5 (Continued)

BUZZARDS BAY I 1975 SURVEY

DISSOLVED OXYGEN (mg/l) - TIME - TEMPERATURE (°F)

| | 8/20/75 | | | 8/21/75 | | | | | 8/22/7 |
|---|---|---|---|---|---|---|---|---|---|
| STATION | RUN 11 | RUN 12 | RUN 13 | RUN 14 | RUN 15 | RUN 16 | RUN 17 | RUN 18 | RUN 1 |
| AR1 | 1805 | 2210 | 0206 | 0640 | 1010 | 1408 | 1806 | 2153 | 0206 |
| | 77.0 | 72.0 | 71.0 | 70.0 | 72.0 | 77.0 | 74.0 | 72.0 | 61.0 |
| | 6.6 | 6.5 | 6.4 | 5.3 | 6.4 | 6.8 | 6.6 | 5.5 | 5.4 |
| AR2 a | 1816 | 2215 | 0216 | 0650 | 1020 | 1419 | 1816 | 2200 | 0216 |
| | 64.0 | 61.0 | 58.0 | 56.0 | 60.0 | 66.0 | 66.0 | 65.0 | 65.0 |
| | 0.7 | 0.7 | 2.0 | 2.0 | 2.0 | 1.6 | 0.9 | 0.8 | 0.9 |
| AR3 | 1823 | 2220 | 0221 | 0655 | 1024 | 1420 | 1820 | 2205 | 0220 |
| | 73.0 | 70.0 | 66.0 | 63.0 | 65.0 | 68.0 | 70.0 | 60.0 | 69.0 |
| | 10.7 | 8.7 | 7.1 | 5.2 | 8.0 | 10.0 | 10.0 | 8.5 | 7.3 |
| AR3a | 1800 | 2200 | 0157 | 0630 | 1002 | 1400 | 1800 | 2145 | 0200 |
| | 68.0 | 65.0 | 69.0 | 55.0 | 58.0 | 65.0 | 68.0 | 66.0 | 57.0 |
| | 5.2 | 2.8 | 1.6 | 1.4 | 2.2 | 3.8 | 5.2 | 4.1 | 3.9 |
| AR4a | 1827 | 2224 | 0225 | 0700 | 1026 | 1429 | 1823 | 2210 | 0225 |
| | 62.0 | 60.0 | 56.0 | 55.0 | 62.0 | 76.0 | 62.0 | 62.0 | 64.0 |
| | 4.7 | 2.3 | 2.5 | 2.6 | 4.1 | 4.2 | 1.8 | 1.9 | 1.5 |
| AR5 | 1832 | 2230 | 0223 | 0704 | 1031 | 1434 | 1830 | 2215 | 0230 |
| | 68.0 | 62.0 | 66.0 | 65.0 | 67.0 | 68.0 | 67.0 | 65.0 | 67.0 |
| | 1.6 | 1.2 | 1.2 | 1.3 | 1.6 | 2.3 | 2.0 | 1.2 | 1.3 |
| AR6 | 1835 | 2233 | 0237 | 0725 | 1035 | 1437 | 1835 | 2220 | 0235 |
| | 69.0 | 69.0 | 64.0 | 64.0 | 69.0 | 71.0 | 67.0 | 68.0 | 67.0 |
| | 6.1 | 5.3 | 5.9 | 5.7 | 6.7 | 8.2 | 7.3 | 5.6 | 5.9 |

TABLE 5 (Continued)

| STATION | 8/19/75 RUN 1 | RUN 2 | RUN 3 | RUN 4 | RUN 5 | RUN 6 | 8/20/75 RUN 7 | RUN 8 | RUN 9 | RUN 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | APPONAGANSET BAY | | | | | | |
| AP2 | 0345 | 0723 | 1120 | 1516 | 1920 | 2320 | 0320 | 0724 | 1123 | 1510 |
| | 64.0 | 66.0 | 69.0 | 72.0 | 69.0 | 66.0 | 62.0 | 64.0 | 67.0 | 70.0 |
| | 5.8 | 6.4 | 7.4 | 7.6 | 6.2 | 5.7 | 5.9 | 6.7 | 7.7 | 8.3 |
| | | | | NEW BEDFORD HARBOR | | | | | | |
| NB5a | 0457 | 0845 | 1243 | 1642 | 2045 | 0024 | 0435 | 0740 | 1252 | 1630 |
| | 67.0 | 68.0 | 78.0 | 74.0 | 70.0 | 64.0 | 64.0 | 65.0 | 75.0 | 70.0 |
| | 4.4 | 5.5 | 8.8 | 6.7 | 4.9 | 4.9 | 5.2 | 5.9 | 8.7 | 7.2 |
| | | | | PASKAMANSET RIVER | | | | | | |
| PA1 | 0327 | 0703 | 1058 | 1455 | 1855 | 2305 | 0303 | 0706 | 1100 | 1450 |
| | 74.0 | 72.0 | 78.0 | 83.0 | 79.0 | 76.0 | 72.0 | 71.0 | 78.0 | 83.0 |
| | 4.5 | 3.6 | 4.8 | 5.5 | 5.4 | 5.0 | 4.4 | 4.0 | 4.4 | 5.0 |
| PA2 | 0335 | 0710 | 1108 | 1505 | 1900 | 2310 | 0310 | 0713 | 1110 | 1458 |
| | 69.0 | 70.0 | 74.0 | 77.0 | 72.0 | 74.0 | 67.0 | 69.0 | 73.0 | 76.0 |
| | 4.7 | 5.2 | 5.6 | 5.1 | 5.0 | 5.4 | 5.6 | 5.3 | -- | 5.2 |
| PA3 | 0352 | 0730 | 1128 | 1524 | 1925 | 2300 | 0329 | 0728 | 1129 | 1516 |
| | 67.0 | 67.0 | 68.0 | 73.0 | 70.0 | 66.0 | 63.0 | 64.0 | 65.0 | 69.0 |
| | 5.8 | 5.1 | 5.8 | 6.3 | 6.0 | 5.7 | 6.0 | 6.0 | 6.2 | 6.1 |
| PA4 | 0358 | 0735 | 1135 | 1530 | 1932 | 2333 | 0335 | 0734 | 1135 | 1522 |
| | 71.0 | 69.0 | 72.0 | 77.0 | 76.0 | 72.0 | 68.0 | 69.0 | 72.0 | 75.0 |
| | 5.4 | 5.6 | 5.7 | 6.2 | 6.8 | 6.4 | 6.3 | 5.6 | 6.5 | 6.9 |
| | | | | SHINGLE ISLAND RIVER | | | | | | |
| SI1 | 0320 | 0655 | 1050 | 1446 | 1850 | 2256 | 0255 | 0700 | 1053 | 1444 |
| | 64.0 | 61.0 | 63.0 | 67.0 | 65.0 | 59.0 | 59.0 | 58.0 | 60.0 | 63.0 |
| | 7.2 | 7.3 | 8.3 | 8.0 | 7.9 | 7.4 | 7.7 | 7.7 | 8.5 | 8.6 |
| | | | | WESTPORT RIVER - EAST BRANCH | | | | | | |
| WPE1 | 0440 | 0815 | 1219 | 1617 | 2025 | 0015 | 0417 | 0815 | 1225 | 1605 |
| | 74.0 | 73.0 | 79.0 | 79.0 | 76.0 | 73.0 | 70.0 | 66.0 | 78.0 | 77.0 |
| | 7.0 | 6.8 | 7.2 | 7.3 | 7.5 | 7.6 | 6.8 | 6.7 | 7.4 | 7.6 |

TABLE 5 (Continued)

| STATION | 8/20/75 RUN 11 | RUN 12 | RUN 13 | RUN 14 | 8/21/75 RUN 15 | RUN 16 | RUN 17 | RUN 18 | 8/22/75 RUN 19 |
|---|---|---|---|---|---|---|---|---|---|
| AP2 | 1915 | 2302 | 0313 | 0818 | 1116 | 1521 | 1915 | 2250 | 0310 |
| | 68.0 | 64.0 | 60.0 | 60.0 | 63.0 | 68.0 | 67.0 | 65.0 | 68.0 |
| | 6.4 | 6.0 | 5.6 | 6.9 | 7.8 | 8.0 | 5.9 | 5.1 | 6.2 |
| NB5a | 2027 | 0001 | 0424 | 0928 | 1230 | 1644 | 2037 | --- | 0415 |
| | 67.0 | 67.0 | 62.0 | 67.0 | 74.0 | 70.0 | 69.0 | --- | 68.0 |
| | 4.8 | 5.7 | 5.4 | 6.4 | 9.3 | 7.9 | 5.1 | 4.9 | 5.4 |
| PA1 | 1856 | 2245 | 0255 | 0801 | 1100 | 1500 | 1855 | 2235 | 0255 |
| | 77.0 | 74.0 | 70.0 | 70.0 | 78.0 | 75.0 | 71.0 | 70.0 | 71.0 |
| | 5.0 | 5.3 | 4.2 | 3.6 | 4.6 | 3.0 | 3.5 | 4.0 | 4.0 |
| PA2 | 1905 | 2250 | 0305 | 0807 | 1105 | 1508 | 1900 | 2240 | 0301 |
| | 72.0 | 68.0 | 68.0 | 67.0 | 70.0 | 69.0 | 68.0 | 69.0 | 68.0 |
| | 4.9 | 5.7 | 5.7 | 4.6 | 5.3 | 5.8 | 5.8 | 5.4 | 5.5 |
| PA3 | 1920 | 2310 | 0320 | 0824 | 1123 | 1529 | 1920 | 2255 | 0316 |
| | 66.0 | 64.0 | 60.0 | 59.0 | 61.0 | 67.0 | 67.0 | 65.0 | 65.0 |
| | 6.2 | 6.5 | 6.1 | 5.4 | 6.3 | 6.3 | 6.6 | 6.3 | 5.0 |
| PA4 | 1925 | 2314 | 0325 | 0829 | 1128 | 1533 | 1920 | 2300 | 0322 |
| | 72.0 | 69.0 | 67.0 | 66.0 | 69.0 | 71.0 | 71.0 | 70.0 | 70.0 |
| | 6.7 | 6.5 | 5.9 | 5.4 | 6.1 | 6.5 | 5.8 | 6.3 | 6.2 |
| SI1 | 1850 | 2240 | 0249 | 0755 | 1050 | 1450 | 1850 | 2230 | 0247 |
| | 62.0 | 60.0 | 56.0 | 54.0 | 56.0 | 61.0 | 61.0 | 61.0 | 61.0 |
| | 8.1 | -- | 8.0 | 8.3 | 8.8 | 8.8 | 8.4 | 7.7 | 7.6 |
| WPE1 | 2010 | 2345 | 0406 | 0914 | 1108 | 1616 | 2005 | 2354 | 0400 |
| | 76.0 | 73.0 | 68.0 | 61.0 | 75.0 | 71.0 | 70.0 | 70.0 | 70.0 |
| | 8.5 | 7.5 | 6.8 | 6.5 | 6.9 | 6.9 | 5.5 | 5.5 | 5.5 |

TABLE 5 (Continued)

| STATION | 8/19/75 RUN 1 | RUN 2 | RUN 3 | RUN 4 | RUN 5 | RUN 6 | 8/20/75 RUN 7 | RUN 8 | RUN 9 | RUN 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| WPE2 | 0433 | 0810 | 1214 | 1610 | 2014 | 0010 | 0410 | 0810 | 1220 | 1600 |
| | 68.0 | 70.0 | 71.0 | 75.0 | 72.0 | 67.0 | 65.0 | 65.0 | 71.0 | 72.0 |
| | 5.8 | 5.7 | 7.4 | 6.7 | 6.6 | 6.4 | 6.7 | 6.7 | 6.8 | 7.0 |
| WPE4 | 0410 | 0745 | 1145 | 1543 | 1940 | 2347 | 0345 | 0747 | 1150 | 1535 |
| | 66.0 | 65.0 | 68.0 | 67.0 | 66.0 | 64.0 | 65.0 | 65.0 | 68.0 | 65.0 |
| | 4.9 | 6.1 | 6.0 | 5.6 | 6.1 | 5.2 | 5.3 | 5.1 | 6.1 | 5.9 |
| | | | | WESTPORT RIVER - WEST BRANCH | | | | | | |
| WPW1 | 0420 | 0757 | 1158 | 1555 | 1958 | 2400 | 0357 | 0755 | 1200 | 1546 |
| | 67.0 | 69.0 | 71.0 | 73.0 | 67.0 | 66.0 | 64.0 | 63.0 | 68.0 | 68.0 |
| | 3.1 | 4.1 | 5.4 | 4.6 | 4.2 | 4.5 | 4.2 | 4.6 | 5.7 | 5.0 |

TABLE 5 (Continued)

| STATION | 8/20/75 RUN 11 | RUN 12 | RUN 13 | RUN 14 | 8/21/75 RUN 15 | RUN 16 | RUN 17 | RUN 18 | 8/22/75 RUN 19 |
|---|---|---|---|---|---|---|---|---|---|
| WPE2 | 2002 | 2340 | 0400 | 0903 | 1202 | 1612 | 1957 | 2345 | 0355 |
| | 71.0 | 70.0 | 64.0 | 63.0 | 66.0 | 69.0 | 70.0 | 68.0 | 68.0 |
| | 6.8 | 6.9 | 6.7 | 6.9 | 6.8 | 7.2 | 7.2 | 6.5 | 6.5 |
| WPE4 | 1935 | 2322 | 0337 | 0841 | 1139 | 1545 | 1930 | 2310 | 0339 |
| | 65.0 | 60.0 | 60.0 | 61.0 | 62.0 | 63.0 | 64.0 | 66.0 | 64.0 |
| | 6.3 | 5.6 | 5.3 | 4.1 | 6.1 | 5.8 | 5.6 | 5.7 | 4.9 |
| WPW1 | 1940 | 2327 | 0348 | 0849 | 1149 | 1558 | 1940 | 2320 | 0343 |
| | 65.0 | 63.0 | 60.0 | 60.0 | 64.0 | 64.0 | 65.0 | 64.0 | 65.0 |
| | 6.3 | 5.7 | 4.3 | 4.6 | 5.9 | 5.8 | 6.4 | 5.6 | 5.8 |

TABLE 6

DISSOLVED OXYGEN (mg/l) - TIME - TEMPERATURE ($^{o}$F)

TIDAL STATIONS - SAMPLED AT HIGH AND LOW TIDES

| STATION | 8/19/75 | | 8/20/75 | | 8/21/75 | |
|---|---|---|---|---|---|---|
| | HIGH | LOW | HIGH | LOW | HIGH | LOW |
| | | | ACUSHNET RIVER | | | |
| AR7 - Top | 0733 | 1304 | 0750 | 1333 | 0830 | 1402 |
| | 70.0 | 74.0 | 69.0 | 74.0 | 70.0 | 73.0 |
| | 4.0 | 5.5 | 5.2 | 6.6 | 5.2 | 7.7 |
| AR7 - Bottom | 0733 | 1304 | 0750 | 1333 | 0830 | 1402 |
| | 68.0 | 73.0 | 70.0 | 72.0 | 69.0 | 72.0 |
| | 4.2 | 3.0 | 4.7 | 3.8 | 5.1 | 4.8 |
| AR8 - Top | 0725 | 1255 | 0743 | 1325 | 0825 | 1354 |
| | 68.0 | 74.0 | 68.0 | 74.0 | 69.0 | 72.0 |
| | 4.9 | 4.9 | 5.5 | 5.6 | 5.4 | 5.6 |
| AR8 - Bottom | 0725 | 1255 | 0743 | 1325 | 0825 | 1354 |
| | 69.0 | 72.0 | 70.0 | 72.0 | 69.0 | 70.0 |
| | 5.2 | 4.4 | 5.0 | 5.1 | 6.0 | 5.4 |
| | | | APPONAGANSET BAY | | | |
| AP1 - Top | 0610 | 1300 | 0712 | 1356 | 0730 | 1253 |
| | 71.0 | 77.0 | 69.0 | 71.0 | 71.0 | 74.0 |
| | 5.3 | 7.8 | 6.4 | 5.7 | 6.2 | 7.3 |
| | | | CLARK COVE | | | |
| CC1 - Top | 0545 | 1130 | 0630 | 1218 | 0713 | 1230 |
| | 69.0 | 72.0 | 70.0 | 71.0 | 67.0 | 72.0 |
| | 8.0 | 8.2 | 8.6 | 8.2 | 7.9 | 8.1 |
| CC1 - Bottom | 0545 | 1130 | 0630 | 1218 | 0713 | 1230 |
| | 65.0 | 70.0 | 70.0 | 70.0 | 67.0 | 71.0 |
| | 6.2 | 8.3 | 7.8 | 8.7 | 7.3 | 8.0 |
| | | | NEW BEDFORD HARBOR | | | |
| NB1 West - Top | 0712 | 1240 | 0732 | 1313 | 0810 | 1345 |
| | 68.0 | 72.0 | 70.0 | 73.0 | 68.0 | 71.0 |
| | 6.2 | 6.6 | 6.6 | 7.9 | 6.7 | 7.5 |
| NB1 West - Bottom | 0712 | 1241 | 0732 | 1313 | 0810 | 1345 |
| | 68.0 | 71.0 | 69.0 | 71.0 | 69.0 | 70.0 |
| | 6.4 | 6.9 | 6.4 | 8.1 | 6.7 | 7.2 |
| NB1 East - Top | 0658 | 1228 | 0725 | 1305 | 0803 | 1335 |
| | 66.0 | 72.0 | 70.0 | 71.0 | 68.0 | 72.0 |
| | 6.4 | 6.8 | 6.8 | 7.2 | 6.5 | 7.4 |
| NB1 East - Bottom | 0658 | 1230 | 0725 | 1305 | 0803 | 1333 |
| | 70.0 | 71.0 | 70.0 | 71.0 | 68.0 | 70.0 |
| | 6.3 | 5.9 | 7.1 | 6.5 | 6.5 | 6.7 |

TABLE 6 (Continued)

| STATION | 8/19/75 | | 8/20/75 | | 8/21/75 | |
|---|---|---|---|---|---|---|
| | HIGH | LOW | HIGH | LOW | HIGH | LOW |
| NB2 - Top | 0645 | 1209 | 0712 | 1255 | 0753 | 1320 |
| | 67.0 | 70.0 | 68.0 | 71.0 | 68.0 | 70.0 |
| | 7.4 | 7.2 | 8.5 | 6.2 | 7.8 | 7.6 |
| NB2 - Bottom | 0645 | 1209 | 0712 | 1255 | 0753 | 1320 |
| | 67.0 | 69.0 | 68.0 | 69.0 | 67.0 | 68.0 |
| | 7.2 | 6.1 | 6.1 | 6.3 | 5.5 | 6.1 |
| NB3 - Top | 0608 | 1145 | 0648 | 1230 | 0725 | 1245 |
| | 68.0 | 70.0 | 66.0 | 70.0 | 67.0 | 70.0 |
| | 7.2 | 7.2 | 7.5 | 7.5 | 7.6 | 6.4 |
| NB3 - Bottom | 0608 | 1145 | 0648 | 1230 | 0725 | 1245 |
| | 66.0 | 70.0 | 66.0 | 70.0 | 66.0 | 69.0 |
| | 6.5 | 7.2 | 8.1 | 6.3 | 6.2 | 6.0 |
| NB5 - Top | 0630 | 1158 | 0702 | 1243 | 0743 | 1303 |
| | 67.0 | 70.0 | 68.0 | 74.0 | 69.0 | 70.0 |
| | 8.1 | 8.3 | 7.8 | 7.7 | 8.0 | 8.0 |
| NB5 - Bottom | 0630 | 1158 | 0702 | 1243 | 0743 | 1303 |
| | 67.0 | 70.0 | 70.0 | 71.0 | 68.0 | 70.0 |
| | 8.0 | 7.1 | 8.1 | 5.8 | 5.3 | 6.3 |
| | | | ROUND HILL BEACH | | | |
| RH1 - Top | 1800 | 1205 | 1840 | 1230 | --- | 1330 |
| | 72.0 | 72.0 | 74.0 | 71.0 | --- | 73.0 |
| | 9.2 | 7.5 | 9.2 | 3.0 | 8.2 | 5.6 |
| | | | WESTPORT RIVER - EAST BRANCH | | | |
| WPE3 - Top | 0700 | 1230 | 0803 | 1315 | 0850 | --- |
| | 67.0 | 78.0 | 73.0 | 70.0 | 74.0 | --- |
| | 5.4 | 8.9 | 6.6 | --- | 6.3 | 8.7 |
| WPE5 - Top | 0640 | 1235 | 0749 | 1255 | 0805 | 1350 |
| | 68.0 | 72.0 | 67.0 | 76.0 | 69.0 | 72.0 |
| | 7.3 | 7.6 | 7.5 | 7.8 | 7.8 | 8.2 |

TABLE 7

BUZZARDS BAY II 1975 SURVEY

DISSOLVED OXYGEN (mg/l) - TIME - TEMPERATURE (°F)

| | 7/15/75 | | | | | | | 7/16/75 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| STATION | RUN 1 | RUN 2 | RUN 3 | RUN 4 | RUN 5 | RUN 6 | RUN 7 | RUN 8 | RUN 9 | RUN 10 |
| | | | | | AGAWAM RIVER | | | | | |
| AG1 | 0200 | 0550 | 1011 | 1401 | 1807 | 2210 | 0210 | 0552 | 1000 | 1358 |
| | 76.0 | 76.0 | 78.0 | 80.0 | 79.0 | 78.0 | 78.0 | -- | 79.0 | 80.0 |
| | 7.5 | 7.3 | 7.5 | 7.5 | 7.9 | 7.7 | 7.4 | 7.3 | 7.5 | 7.9 |
| AG2 | 0216 | 0602 | 1028 | 1415 | 1824 | 2230 | 0230 | 0605 | 1014 | 1410 |
| | 76.0 | 75.0 | 76.0 | 79.0 | 79.0 | 78.0 | 78.0 | 76.0 | --- | 80.0 |
| | 7.5 | 7.6 | 7.4 | 8.2 | 8.1 | 8.2 | 7.7 | 7.0 | 7.6 | 8.2 |
| AG3 | 0225 | 0610 | 1032 | 1425 | 1835 | 2238 | 0235 | 0618 | 1022 | 1418 |
| | 76.0 | 76.0 | 78.0 | 77.0 | 79.0 | 78.0 | 78.0 | 78.0 | 78.0 | 79.0 |
| | 8.0 | 8.2 | 8.0 | 7.6 | 7.8 | 7.8 | 8.1 | 7.4 | 8.0 | 6.6 |
| AG4 | 0230 | 0615 | 1035 | 1428 | 1842 | 2243 | 0240 | 0622 | 1025 | 1422 |
| | 76.0 | 74.0 | 77.0 | 80.0 | 80.0 | 78.0 | 78.0 | 76.0 | 78.0 | 82.0 |
| | 6.3 | 6.0 | 8.5 | 7.9 | 8.1 | 7.0 | 5.9 | 5.1 | 8.7 | 8.5 |
| | | | | | MATTAPOISETT HARBOR | | | | | |
| MH1 | 0430 | 0825 | 1212 | 1606 | 2037 | 0040 | 0430 | 0805 | 1151 | 1550 |
| | 66.0 | 66.0 | 70.0 | 70.0 | 70.0 | 69.0 | 68.0 | 68.0 | 69.0 | 70.0 |
| | 7.2 | 6.9 | 6.9 | 6.1 | 5.8 | 5.5 | 6.7 | 6.9 | 6.7 | 6.0 |
| | | | | | MATTAPOISETT RIVER | | | | | |
| MA1 | 0458 | 0910 | 1238 | 1645 | 1923 | 0115 | 0455 | 0835 | 1215 | 1626 |
| | 75.0 | 75.0 | 78.0 | 82.0 | 79.0 | 77.0 | 75.0 | 76.0 | 80.0 | 87.0 |
| | 0.8 | 1.6 | 4.5 | 3.5 | 4.2 | 1.2 | 0.7 | 1.4 | 4.5 | 7.1 |
| MA2 | 0450 | 0855 | 1231 | 1636 | 1900 | 0103 | 0445 | 0827 | 1208 | 1617 |
| | 73.0 | 74.0 | 75.0 | 76.0 | 76.0 | 75.0 | 74.0 | 74.0 | 75.0 | 77.0 |
| | 4.9 | 4.4 | 4.6 | 4.9 | 5.6 | 5.2 | 4.8 | 4.5 | 4.2 | 5.5 |

TABLE 7 (Continued)

BUZZARDS BAY II 1975 SURVEY

DISSOLVED OXYGEN (mg/l) - TIME - TEMPERATURE ($^{o}$F)

| | 7/16/75 | | | | 7/17/75 | | | | 7/18/75 |
|---|---|---|---|---|---|---|---|---|---|
| STATION | RUN 11 | RUN 12 | RUN 13 | RUN 14 | RUN 15 | RUN 16 | RUN 17 | RUN 18 | RUN 19 |
| AG1 | 1805 | 2215 | 0155 | 0552 | 1001 | 1402 | 1812 | 2300 | 0218 |
| | 80.0 | 78.0 | 79.0 | 78.0 | 79.0 | 82.0 | 81.0 | 78.0 | 78.0 |
| | --- | 7.3 | 7.4 | 7.5 | 7.4 | 7.3 | 7.6 | 7.2 | 7.2 |
| AG2 | 1820 | 2232 | 0208 | 0608 | 1015 | 1415 | 1827 | 2316 | 0245 |
| | 80.0 | 79.0 | 78.0 | 78.0 | 78.0 | 80.0 | 82.0 | 79.0 | 78.0 |
| | 8.2 | 7.9 | 7.6 | 7.3 | 7.1 | 7.9 | 8.1 | 7.5 | 7.5 |
| AG3 | 1827 | 2240 | 0215 | 0615 | 1024 | 1424 | 1835 | 2325 | 0248 |
| | 79.0 | 78.0 | 78.0 | 78.0 | 79.0 | 80.0 | 79.0 | 79.0 | 78.0 |
| | 7.2 | 7.6 | 7.7 | 7.5 | 7.5 | 6.9 | 7.1 | 6.4 | 7.1 |
| AG4 | 1832 | 2244 | 0220 | 0620 | 1027 | 1427 | 2012 | 2330 | 0253 |
| | 84.0 | 79.0 | 80.0 | 78.0 | 78.0 | 83.0 | 83.0 | 78.0 | 78.0 |
| | 9.1 | 6.2 | 5.9 | 4.7 | 8.1 | 9.4 | 7.0 | 6.0 | 5.0 |
| MH1 | 2000 | 0016 | 0403 | 0830 | 1157 | 1559 | 2130 | 0105 | 0421 |
| | 69.0 | 68.0 | 68.0 | 70.0 | 69.0 | 71.0 | 70.0 | 68.0 | 69.0 |
| | 5.8 | 5.7 | 6.1 | 7.7 | 6.4 | 5.9 | 4.4 | 5.5 | 6.4 |
| MA1 | 2030 | 0043 | 0430 | 0912 | 1220 | 1635 | 2153 | 0134 | 0447 |
| | 82.0 | 77.0 | 76.0 | 76.0 | 82.0 | 85.0 | 81.0 | 78.0 | 75.0 |
| | 5.1 | 1.2 | 0.4 | 1.5 | 4.3 | 6.8 | --- | 1.1 | 1.0 |
| MA2 | 2018 | 0030 | 0420 | 0905 | 1213 | 1628 | 2147 | 0123 | 0438 |
| | 78.0 | 77.0 | 76.0 | 76.0 | 75.0 | 79.0 | 77.0 | 77.0 | 76.0 |
| | 5.8 | 5.1 | 4.6 | 4.5 | 4.9 | 5.0 | 5.1 | 5.6 | 4.4 |

TABLE 7 (Continued)

| STATION | 7/15/75 RUN 1 | RUN 2 | RUN 3 | RUN 4 | RUN 5 | RUN 6 | 7/16/75 RUN 7 | RUN 8 | RUN 9 | RUN 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| MA3 | 0440 | 0845 | 1215 | 1625 | 1843 | 0052 | 0435 | 0813 | 1200 | 1605 |
| | 72.0 | 70.0 | 74.0 | 76.0 | 74.0 | 74.0 | 73.0 | 73.0 | 74.0 | 77.0 |
| | 5.4 | 4.8 | 5.8 | 6.6 | 6.1 | 5.1 | 4.7 | 4.9 | 5.4 | 6.3 |
| | | | | | PINE ISLAND POND | | | | | |
| PI2 | 0425 | 0820 | 1205 | 1558 | 2029 | 0033 | 0425 | 0800 | 1145 | 1542 |
| | 66.0 | 67.0 | 70.0 | 70.0 | 71.0 | 68.0 | 68.0 | 68.0 | 69.0 | 72.0 |
| | 5.0 | 5.5 | 5.5 | 5.4 | 4.9 | 4.9 | 4.7 | 5.1 | 5.0 | 5.4 |
| | | | | | SIPPICAN RIVER | | | | | |
| SIR1 | 0348 | 0745 | 1140 | 1530 | 1957 | 2358 | 0350 | 0726 | 1125 | 1520 |
| | 76.0 | --- | 79.0 | 77.0 | 76.0 | 76.0 | 76.0 | 76.0 | 80.0 | 81.0 |
| | 5.7 | 5.4 | 5.8 | 5.2 | 5.6 | 5.7 | 5.4 | 5.3 | 5.3 | 5.1 |
| SIR2 | 0408 | 0805 | 1157 | 1550 | 2017 | 0020 | 0408 | 0749 | 1139 | 1535 |
| | 76.0 | 75.0 | 76.0 | 77.0 | 78.0 | 77.0 | 78.0 | 78.0 | 77.0 | 79.0 |
| | 5.6 | 5.3 | 5.6 | 5.1 | 5.9 | 5.5 | 5.8 | 5.5 | 5.2 | 5.3 |
| | | | | | WANKINCO RIVER | | | | | |
| WO1 | 0300 | 0713 | 1103 | 1458 | 1917 | 2318 | 0315 | 0657 | 1050 | 1452 |
| | 67.0 | 67.0 | 72.0 | 74.0 | 76.0 | 68.0 | 68.0 | 68.0 | 72.0 | 76.0 |
| | 5.3 | 6.2 | 9.2 | 9.4 | 8.4 | 5.2 | 5.2 | 5.7 | 9.3 | 9.5 |
| WO2 | 0310 | 0705 | 1100 | 1453 | 1911 | 2312 | 0308 | 0650 | 1047 | 1445 |
| | 74.0 | 72.0 | 75.0 | 76.0 | 77.0 | 76.0 | 76.0 | 74.0 | 76.0 | 77.0 |
| | 8.4 | 7.0 | 7.5 | 8.5 | 9.4 | 9.3 | 8.7 | 7.9 | 7.0 | 8.2 |
| WO3 | 0244 | 0630 | 1045 | 1440 | 1857 | 2258 | 0255 | 0630 | 1034 | 1434 |
| | 77.0 | 76.0 | 78.0 | 79.0 | 80.0 | 78.0 | 78.0 | 78.0 | 79.0 | 81.0 |
| | 7.6 | 7.6 | 7.7 | 7.7 | 8.6 | 7.5 | 7.3 | 7.4 | 7.6 | 7.8 |
| | | | | | WAREHAM RIVER | | | | | |
| WM1 | 0240 | 0620 | 1041 | 1434 | 1848 | 2250 | 0250 | 0626 | 1030 | 1427 |
| | 77.0 | 77.0 | 79.0 | 79.0 | 80.0 | 79.0 | 78.0 | 78.0 | 79.0 | 81.0 |
| | 7.3 | 6.0 | 7.0 | 9.7 | 8.2 | 8.3 | 7.2 | 5.8 | 6.5 | 8.6 |

TABLE 7 (Continued)

| STATION | 7/16/75 RUN 11 | RUN 12 | RUN 13 | RUN 14 | 7/17/75 RUN 15 | RUN 16 | RUN 17 | RUN 18 | 7/18/75 RUN 19 |
|---|---|---|---|---|---|---|---|---|---|
| MA3 | 2008 | 0024 | 0410 | 0858 | 1203 | 1615 | 2137 | 0110 | 0428 |
| | 76.0 | 74.0 | 74.0 | 75.0 | 75.0 | 78.0 | 75.0 | 74.0 | 74.0 |
| | 6.5 | 5.1 | 4.6 | 4.9 | 5.3 | 6.8 | 4.8 | 4.8 | 4.4 |
| PI2 | 1955 | 0011 | 0400 | 0822 | 1150 | 1553 | 2124 | 0057 | 0417 |
| | 70.0 | 69.0 | 69.0 | 68.0 | 70.0 | 76.0 | 69.0 | 68.0 | 67.0 |
| | 5.3 | 4.9 | 4.7 | 4.7 | 5.6 | 5.0 | 4.2 | 3.6 | 4.2 |
| SIR1 | 1927 | 2340 | 0325 | 0750 | 1125 | 1528 | 2055 | 0028 | 0347 |
| | 78.0 | 76.0 | 77.0 | 76.0 | 79.0 | 80.0 | 78.0 | 77.0 | 77.0 |
| | 5.4 | 5.5 | 4.8 | 4.6 | 5.0 | 4.7 | 3.6 | 4.7 | 4.5 |
| SIR2 | 1946 | 2400 | 0345 | 0811 | 1142 | 1545 | 2113 | 0048 | 0405 |
| | 79.0 | 79.0 | 78.0 | 78.0 | 78.0 | 80.0 | 78.0 | 78.0 | 78.0 |
| | 5.3 | 5.5 | 5.0 | 5.2 | 4.9 | 4.9 | 4.3 | 4.9 | 5.2 |
| WO1 | 1857 | 2310 | 0250 | 0717 | 1056 | 1456 | 1917 | 2354 | 0320 |
| | 72.0 | 79.0 | 68.0 | 68.0 | 72.0 | 76.0 | --- | 67.0 | 67.0 |
| | 8.6 | 5.1 | 5.4 | 6.0 | 8.6 | 9.2 | 8.4 | 6.0 | 4.9 |
| WO2 | 1852 | 2303 | 0245 | 0706 | 1051 | 1450 | 1907 | 2348 | 0315 |
| | 78.0 | 78.0 | 76.0 | 75.0 | 76.0 | 77.0 | --- | 76.0 | 75.0 |
| | 9.4 | 9.0 | 8.6 | 7.5 | 7.3 | 7.9 | 9.3 | 8.8 | 8.5 |
| WO3 | 1843 | 2254 | 0235 | 0630 | 1042 | 1437 | 1850 | 2335 | 0305 |
| | 80.0 | 80.0 | 79.0 | 79.0 | 80.0 | 82.0 | 80.0 | 79.0 | 79.0 |
| | 7.6 | 7.2 | 7.3 | 6.8 | 7.2 | 7.5 | 7.3 | 7.5 | 7.2 |
| WM1 | 1837 | 2247 | 0228 | 0625 | 1034 | 1433 | 2017 | 2334 | 0257 |
| | 82.0 | 79.0 | 80.0 | 80.0 | 80.0 | 83.0 | 81.0 | 79.0 | 80.0 |
| | 6.7 | 7.6 | 7.1 | 6.2 | 6.4 | 8.6 | 7.3 | 7.6 | 7.1 |

TABLE 7 (Continued)

| STATION | 7/15/75 RUN 1 | RUN 2 | RUN 3 | RUN 4 | RUN 5 | RUN 6 | 7/16/75 RUN 7 | RUN 8 | RUN 9 | RUN 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | WEWEANTIC RIVER | | | | | |
| WE1 | 0326 | 0730 | 1117 | 1512 | 1934 | 2330 | 0325 | 0709 | 1105 | 1502 |
| | 76.0 | 76.0 | 76.0 | 78.0 | 77.0 | 78.0 | 77.0 | 78.0 | 77.0 | 79.0 |
| | 4.0 | 3.5 | 3.6 | 3.7 | 4.0 | 3.7 | 3.7 | 3.1 | 3.0 | 3.0 |
| WE2 | 0335 | 0735 | 1123 | 1517 | 1943 | 2344 | 0335 | 0715 | 1109 | 1507 |
| | 76.0 | 77.0 | 76.0 | 78.0 | 78.0 | 77.0 | 77.0 | 78.0 | 78.0 | 79.0 |
| | 5.4 | 5.0 | 5.0 | 4.9 | 5.0 | 4.6 | 4.2 | 4.6 | 4.5 | 4.6 |
| WE3 | 0359 | 0755 | 1147 | 1540 | 2006 | 0010 | 0400 | 0736 | 1130 | 1527 |
| | 74.0 | --- | 77.0 | 78.0 | 78.0 | 76.0 | 76.0 | 78.0 | 78.0 | --- |
| | 7.5 | 7.2 | 7.2 | 7.2 | 7.2 | 7.4 | 7.2 | 7.2 | 7.3 | 6.8 |

TABLE 7 (Continued)

| STATION | 7/16/75 RUN 11 | RUN 12 | RUN 13 | RUN 14 | 7/17/75 RUN 15 | RUN 16 | RUN 17 | RUN 18 | 7/18/75 RUN 19 |
|---|---|---|---|---|---|---|---|---|---|
| WE1 | 1911 | 2323 | 0305 | 0731 | 1108 | 1508 | 2040 | 0010 | 0332 |
| | 79.0 | 78.0 | 78.0 | 78.0 | 78.0 | 79.0 | 78.0 | 79.0 | 77.0 |
| | 3.6 | 3.5 | 3.1 | 3.3 | 2.5 | 2.7 | 2.7 | 2.9 | 2.4 |
| WE2 | 1917 | 2330 | 0310 | 0740 | 1112 | 1515 | 2025 | 0017 | 0338 |
| | 80.0 | 79.0 | 78.0 | 78.0 | 76.0 | 79.0 | 79.0 | 78.0 | 77.0 |
| | 4.9 | 4.6 | 4.5 | 5.0 | 4.4 | 5.4 | 4.3 | 4.4 | 4.4 |
| WE3 | 1935 | 2350 | 0335 | 0800 | 1132 | 1536 | 2105 | 0041 | 0355 |
| | 78.0 | 77.0 | 78.0 | 78.0 | 79.0 | --- | 77.0 | 77.0 | 78.0 |
| | 7.1 | 6.8 | 6.9 | 7.0 | 7.0 | 7.5 | 6.1 | 6.9 | 7.0 |

TABLE 8

DISSOLVED OXYGEN (mg/1) - TIME - TEMPERATURE ($^{o}$F)

TIDAL STATIONS - SAMPLED AT LOW TIDE

| STATION | 7/15/75 | 7/16/75 | 7/17/75 |
|---|---|---|---|
| | | AUCOOT COVE | |
| AC1 - Top | 0850 | 0915 | 1120 |
| | 72.0 | 72.0 | 74.0 |
| | 6.8 | 6.9 | 6.7 |
| AC1 - Bottom | 0850 | 0915 | 1120 |
| | 71.0 | 72.0 | 73.0 |
| | 7.1 | 6.8 | 6.7 |
| AC2 - Top | 0840 | 0910 | 1110 |
| | 73.0 | 72.0 | 73.0 |
| | 6.0 | 6.2 | 7.0 |
| AC2 - Bottom | --- | 0910 | 1110 |
| | --- | 72.0 | 74.0 |
| | --- | 6.3 | 6.8 |
| | | BROAD MARSH RIVER | |
| BM1 | --- | 1112 | 1045 |
| | --- | 78.0 | 79.0 |
| | --- | 8.9 | 8.2 |
| | | EAST RIVER | |
| ER1 | 0830 | 1135 | 1115 |
| | 74.0 | 71.0 | 76.0 |
| | 6.5 | 7.2 | 6.7 |
| | | MATTAPOISETT HARBOR | |
| MH2 | 1030 | 1040 | 0950 |
| | 74.0 | 75.0 | 77.0 |
| | 6.0 | 5.7 | 4.9 |
| MH3 - Top | 0746 | 0830 | 1020 |
| | 72.0 | 72.0 | 72.0 |
| | 6.3 | 6.0 | 6.3 |
| MH3 - Bottom | 0746 | 0830 | 1020 |
| | 72.0 | 72.0 | 74.0 |
| | 6.8 | 6.0 | 6.0 |
| MH4 - Top | 0800 | 0840 | 1035 |
| | 72.0 | 73.0 | 71.0 |
| | 7.0 | 6.9 | 6.7 |
| MH4 - Bottom | 0800 | 0840 | 1035 |
| | 70.0 | 71.0 | 71.0 |
| | 7.2 | 6.0 | 6.8 |

TABLE 8 (Continued)

| STATION | 7/15/75 | 7/16/75 | 7/17/75 |
|---|---|---|---|
| | | MILLER COVE | |
| MC1 | 0850 | 1150 | 1130 |
| | 70.0 | 70.0 | 74.0 |
| | 6.6 | 9.0 | 8.9 |
| | | PINE ISLAND POND | |
| PI1 - Top | 0815 | 0850 | 1045 |
| | 72.0 | 73.0 | 74.0 |
| | 6.3 | 5.9 | 6.4 |
| PI1 - Bottom | --- | 0850 | 1045 |
| | --- | 73.0 | 74.0 |
| | --- | 5.8 | 6.6 |
| | | SIPPICAN HARBOR | |
| SIH1 - Top | 0945 | 1000 | 1215 |
| | 74.0 | 76.0 | 80.0 |
| | 6.0 | 5.9 | 6.6 |
| SIH1 - Bottom | 0945 | 1000 | 1215 |
| | 74.0 | 76.0 | 79.0 |
| | 6.0 | 5.7 | 5.4 |
| SIH2 - Top | 0910 | 0932 | 1150 |
| | 74.0 | 74.0 | 76.0 |
| | 6.5 | 6.1 | 6.8 |
| SIH2 - Bottom | 0912 | 0932 | 1145 |
| | 74.0 | 74.0 | 76.0 |
| | 6.5 | 6.0 | 6.3 |
| SIH3 - Top | 0930 | 0945 | 1200 |
| | 70.0 | 76.0 | 79.0 |
| | 7.6 | 5.7 | 6.4 |
| SIH3 - Bottom | --- | 0945 | 1200 |
| | --- | 76.0 | 77.0 |
| | --- | 5.5 | 6.3 |
| | | WEWEANTIC RIVER | |
| WE4 | 0740 | 1100 | 1020 |
| | 76.0 | 77.0 | 80.0 |
| | 5.7 | 7.6 | 7.2 |

TABLE 9

BUZZARDS BAY II 1975 SURVEY

DISSOLVED OXYGEN (mg/1) - TIME - TEMPERATURE ($^{o}$F)

| | 8/26/75 | | | | | | 8/27/75 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| STATION | RUN 1 | RUN 2 | RUN 3 | RUN 4 | RUN 5 | RUN 6 | RUN 7 | RUN 8 | RUN 9 | RUN 10 |
| | | | | | AGAWAM RIVER | | | | | |
| AG1 | 0300 | 0845 | 1144 | 1515 | 1845 | 2330 | 0215 | 0640 | 1050 | 1420 |
| | 70.0 | 70.0 | 72.0 | 75.0 | 72.0 | 70.0 | 76.0 | 74.0 | 77.0 | 80.0 |
| | 8.1 | 7.6 | 8.2 | 8.3 | 8.8 | 8.1 | 7.9 | 7.6 | 8.0 | 8.1 |
| AG2 | 0330 | 0905 | 1158 | 1529 | 1900 | 2345 | 0230 | 0700 | 1103 | 1434 |
| | 69.0 | 70.0 | 72.0 | 73.0 | 72.0 | 70.0 | 74.0 | 74.0 | 76.0 | 79.0 |
| | 8.1 | 7.8 | 8.1 | 7.0 | 8.5 | 8.1 | 7.8 | 7.7 | 7.8 | 8.6 |
| AG3 | 0340 | 0915 | 1204 | 1536 | 1910 | 2355 | 0245 | 0705 | 1112 | 1442 |
| | 69.0 | 68.0 | 75.0 | 73.0 | 70.0 | 70.0 | 76.0 | 72.0 | 77.0 | 78.0 |
| | 8.2 | 8.0 | 7.9 | 6.0 | 7.3 | 7.1 | 7.5 | 8.4 | 8.1 | 8.7 |
| AG4 | 0350 | 0930 | 1209 | 1541 | 1915 | 2400 | 0250 | 0710 | 1115 | 1445 |
| | 69.0 | 68.0 | 73.0 | 74.0 | 72.0 | 72.0 | 74.0 | 72.0 | 76.0 | 77.0 |
| | 6.6 | 5.9 | 6.1 | 10.1 | 10.6 | 8.0 | 7.2 | 5.7 | 8.3 | 10.8 |
| | | | | | MATTAPOISETT HARBOR | | | | | |
| MH1 | 0620 | 1155 | 1338 | 1703 | 2105 | 0130 | 0435 | 0845 | 1240 | 1610 |
| | 64.0 | 64.0 | 69.0 | 67.0 | 66.0 | 68.0 | 70.0 | 70.0 | 71.0 | 72.0 |
| | 5.6 | 5.8 | 5.7 | 4.0 | 4.4 | 4.7 | 4.9 | 5.6 | 5.6 | 5.4 |
| | | | | | MATTAPOISETT RIVER | | | | | |
| MA1 | 0715 | 1230 | 1404 | 1727 | 2140 | 0200 | 0505 | 0910 | 1308 | 1634 |
| | 65.0 | 70.0 | 73.0 | 76.0 | --- | 68.0 | 72.0 | 72.0 | 78.0 | 83.0 |
| | 5.1 | 7.9 | 8.2 | 7.9 | 5.4 | 4.8 | 4.2 | 5.4 | 8.3 | 7.2 |
| MA2 | 0700 | 1220 | 1355 | 1718 | 2130 | 0150 | 0455 | 0900 | 1300 | 1625 |
| | 65.0 | 66.0 | 69.0 | 71.0 | 66.0 | 68.0 | 70.0 | 72.0 | 78.0 | 77.0 |
| | 6.4 | 6.5 | 6.5 | 7.0 | 6.1 | 6.1 | 6.4 | 6.2 | 6.8 | 7.0 |

TABLE 9 (Continued)

BUZZARDS BAY II 1975 SURVEY

DISSOLVED OXYGEN (mg/1) - TIME - TEMPERATURE (°F)

| | 8/27/75 | | | 8/28/75 | | | | | 8/29/75 |
|---|---|---|---|---|---|---|---|---|---|
| STATION | RUN 11 | RUN 12 | RUN 13 | RUN 14 | RUN 15 | RUN 16 | RUN 17 | RUN 18 | RUN 19 |
| AG1 | 1750 | 2200 | 0200 | 0550 | 1020 | 1420 | 1810 | 2210 | 0205 |
| | 76.0 | 72.0 | 66.0 | 74.0 | 75.0 | 79.0 | 74.0 | 70.0 | 71.0 |
| | 8.5 | 8.0 | 8.1 | 7.6 | 8.5 | 6.8 | 7.1 | 6.6 | 9.1 |
| AG2 | 1805 | 2215 | 0215 | 0605 | 1042 | 1432 | 1830 | 2225 | 0215 |
| | 77.0 | 74.0 | 76.0 | 75.0 | 73.0 | 78.0 | 74.0 | 74.0 | 71.0 |
| | 8.8 | 8.1 | 8.0 | 7.6 | 8.0 | 6.7 | 7.3 | 7.1 | 6.8 |
| AG3 | 1810 | 2226 | 0225 | 0610 | 1050 | 1440 | 1835 | 2230 | 0225 |
| | 76.0 | 74.0 | 75.0 | 74.0 | 75.0 | 79.0 | 74.0 | 73.0 | 71.0 |
| | 8.4 | 8.7 | 8.4 | 8.4 | 8.4 | 6.9 | 6.9 | 7.2 | 6.9 |
| AG4 | 1815 | 2228 | 0230 | 0615 | 1054 | 1445 | 1840 | 2235 | 0230 |
| | 78.0 | 74.0 | 77.0 | 72.0 | 74.0 | 67.0 | 76.0 | 74.0 | 71.0 |
| | 10.0 | 9.5 | 7.9 | 5.2 | 8.5 | 8.2 | 8.0 | 7.7 | 6.3 |
| MH1 | 1945 | 2400 | 0400 | 0735 | 1221 | 1614 | 2005 | 0005 | 0400 |
| | 66.0 | 64.0 | 66.0 | 65.0 | 71.0 | 70.0 | 66.0 | 63.0 | 62.0 |
| | 4.6 | 4.6 | 5.0 | 4.0 | 6.3 | 3.6 | 3.1 | 3.0 | 3.1 |
| MA1 | 2010 | 0030 | 0430 | 0813 | 1250 | 1640 | 2030 | 0030 | 0425 |
| | 74.0 | 68.0 | 69.0 | 69.0 | 78.0 | 82.0 | 74.0 | 66.0 | 62.0 |
| | 5.0 | 4.2 | 4.4 | 5.1 | 8.1 | 6.2 | 4.3 | 3.6 | 3.1 |
| MA2 | 2000 | 0020 | 0420 | 0804 | 1241 | 1630 | 2025 | 0020 | 0415 |
| | 70.0 | 68.0 | 72.0 | 71.0 | 75.0 | 76.0 | 72.0 | 65.0 | 67.0 |
| | 6.2 | 5.9 | 5.5 | 5.4 | 6.6 | 5.5 | 5.4 | 4.6 | 5.0 |

TABLE 9 (Continued)

| STATION | 8/26/75 RUN 1 | RUN 2 | RUN 3 | RUN 4 | RUN 5 | RUN 6 | 8/27/75 RUN 7 | RUN 8 | RUN 9 | RUN 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| MA3 | 0630 | 1205 | 1345 | 1710 | 2115 | 0140 | 0445 | 0850 | 1250 | 1615 |
| | 64.0 | 66.0 | 68.0 | 67.0 | 66.0 | 66.0 | 69.0 | 70.0 | 70.0 | 71.0 |
| | 7.0 | 6.9 | 6.4 | 8.0 | 7.4 | 6.8 | 6.3 | 6.1 | 6.3 | 7.6 |
| | | | | | PINE ISLAND POND | | | | | |
| PI2 | 0615 | --- | 1334 | 1658 | 2050 | 0125 | --- | 0840 | 1231 | 1602 |
| | 62.0 | --- | 68.0 | 67.0 | 64.0 | 68.0 | --- | 68.0 | 70.0 | 71.0 |
| | 4.7 | --- | 6.7 | 5.9 | 4.5 | 4.0 | --- | 3.8 | 5.5 | 5.9 |
| | | | | | SIPPICAN RIVER | | | | | |
| SIR1 | 0540 | 1105 | 1307 | 1631 | 2015 | 0100 | 0400 | 0810 | 1208 | 1535 |
| | 65.0 | 66.0 | 70.0 | 69.0 | 64.0 | 68.0 | 70.0 | 70.0 | 71.0 | 73.0 |
| | 4.7 | 4.7 | 5.0 | 4.7 | 5.0 | 5.6 | 4.3 | 4.1 | 4.3 | 4.7 |
| SIR2 | 0600 | 1125 | 1324 | 1648 | 2040 | 0115 | 0415 | 0825 | 1224 | 1554 |
| | 66.0 | 67.0 | 70.0 | 71.0 | 68.0 | 68.0 | 71.0 | 71.0 | 72.0 | 73.0 |
| | 6.4 | 6.6 | 6.5 | 6.4 | 6.5 | 6.5 | 7.0 | 6.0 | 6.4 | 6.5 |
| | | | | | WANKINCO RIVER | | | | | |
| WO1 | 0455 | 1020 | 1241 | 1606 | 1945 | 0025 | 0320 | 0740 | 1147 | 1508 |
| | 62.0 | 62.0 | 66.0 | 67.0 | 64.0 | 64.0 | 66.0 | 65.0 | 68.0 | 72.0 |
| | 6.8 | 8.9 | 10.1 | 8.0 | 7.6 | 6.4 | 6.2 | 7.6 | 9.9 | 10.1 |
| WO2 | 0445 | 1010 | 1236 | 1602 | 1940 | 0024 | 0315 | 0735 | 1142 | 1505 |
| | 63.0 | 66.0 | 67.0 | 69.0 | 66.0 | 66.0 | 68.0 | 68.0 | 72.0 | 74.0 |
| | 8.2 | 7.3 | 6.7 | 8.1 | 10.1 | 9.8 | 8.8 | 8.0 | 7.9 | 9.2 |
| WO3 | 0405 | 0940 | 1223 | 1551 | 1925 | 0010 | 0300 | 0720 | 1126 | 1455 |
| | 68.0 | 68.0 | 74.0 | 73.0 | 70.0 | 70.0 | 75.0 | 72.0 | 74.0 | 77.0 |
| | 8.2 | 8.4 | 7.6 | 6.6 | 7.8 | 8.0 | 7.9 | 7.9 | 8.0 | 8.0 |
| | | | | | WAREHAM RIVER | | | | | |
| WM1 | 0355 | 0935 | 1215 | 1545 | 1920 | 0005 | 0255 | 0715 | 1121 | 1450 |
| | 68.0 | 68.0 | 74.0 | 74.0 | 72.0 | 72.0 | 74.0 | 74.0 | 75.0 | 78.0 |
| | 6.1 | 6.0 | 6.5 | 7.9 | 7.7 | 7.2 | 6.7 | 6.2 | 7.0 | 10.0 |

TABLE 9 (Continued)

| STATION | 8/27/75 RUN 11 | RUN 12 | RUN 13 | 8/28/75 RUN 14 | RUN 15 | RUN 16 | RUN 17 | RUN 18 | 8/29/75 RUN 19 |
|---|---|---|---|---|---|---|---|---|---|
| MA3 | 1950 | 0010 | 0410 | 0755 | 1230 | 1621 | 2010 | 0010 | 0405 |
| | 68.0 | 67.0 | 69.0 | 67.0 | 69.0 | 70.0 | 66.0 | 66.0 | 65.0 |
| | 7.3 | 6.9 | 6.4 | 6.0 | 7.3 | 5.9 | 6.1 | 5.6 | 5.1 |
| PI2 | 1935 | 2355 | 0355 | 0730 | 1215 | 1607 | 2000 | 2400 | 0355 |
| | 66.0 | 64.0 | 65.0 | 65.0 | 69.0 | 70.0 | 66.0 | 64.0 | 61.0 |
| | 4.7 | 3.6 | 3.6 | 3.5 | 6.6 | 5.3 | 4.5 | 3.6 | 3.0 |
| SIR1 | 1915 | 2330 | 0335 | 0707 | 1148 | 1538 | 1930 | 2335 | 0330 |
| | 70.0 | 69.0 | 71.0 | 70.0 | 72.0 | 72.0 | 68.0 | 66.0 | 65.0 |
| | 4.8 | 4.8 | 4.0 | 3.5 | 4.2 | 3.8 | 4.1 | 3.7 | 3.2 |
| SIR2 | 1930 | 2345 | 0340 | 0720 | 1204 | 1558 | 1945 | 2345 | 0340 |
| | 70.0 | 70.0 | 73.0 | 72.0 | 73.0 | 74.0 | 70.0 | 69.0 | 67.0 |
| | 6.5 | 6.5 | 6.2 | 5.9 | 6.3 | 5.0 | 5.0 | 5.3 | 5.2 |
| WO1 | 1845 | 2300 | 0255 | 0640 | 1120 | 1509 | 1905 | 2300 | 0300 |
| | 70.0 | 66.0 | 66.0 | 62.0 | 66.0 | 69.0 | 66.0 | 62.0 | 58.0 |
| | 8.5 | 6.4 | 6.0 | 6.4 | 10.1 | 8.1 | 6.9 | 4.9 | 5.1 |
| WO2 | 1840 | 2255 | 0250 | 0635 | 1115 | 1505 | 1900 | 2255 | 0250 |
| | 72.0 | 70.0 | 73.0 | 69.0 | 72.0 | 73.0 | 70.0 | 68.0 | 65.0 |
| | 10.0 | 9.3 | 9.7 | 8.7 | 7.9 | 7.0 | 8.2 | 8.1 | 7.7 |
| WO3 | 1825 | 2240 | 0240 | 0625 | 1105 | 1455 | 1845 | 2245 | 0235 |
| | 75.0 | 74.0 | 75.0 | 75.0 | 76.0 | 78.0 | 74.0 | 73.0 | 72.0 |
| | 8.0 | 8.2 | 8.1 | 8.0 | 9.2 | 7.0 | 6.5 | 6.7 | 6.8 |
| WM1 | 1820 | 2230 | 0230 | 0620 | 1058 | 1449 | 1840 | 2240 | 0240 |
| | 78.0 | 74.0 | 75.0 | 75.0 | 75.0 | 78.0 | 76.0 | 74.0 | 71.0 |
| | 8.7 | 9.3 | 7.8 | 6.8 | 7.4 | 7.4 | 8.2 | 7.7 | 6.3 |

TABLE 9 (Continued)

| STATION | 8/26/75 RUN 1 | RUN 2 | RUN 3 | RUN 4 | RUN 5 | RUN 6 | 8/27/75 RUN 7 | RUN 8 | RUN 9 | RUN 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | WEWEANTIC RIVER | | | | | |
| WE1 | 0515 | 1040 | 1254 | 1617 | 1955 | 0040 | 0335 | 0755 | 1155 | 1520 |
| | 64.0 | 66.0 | 70.0 | 69.0 | 68.0 | 66.0 | 69.0 | 69.0 | 72.0 | 74.0 |
| | 6.2 | 6.1 | 6.6 | 6.3 | 6.3 | 5.9 | 5.8 | 5.6 | 6.0 | 6.7 |
| WE2 | 0525 | 1050 | 1300 | 1624 | 2005 | 0050 | 0345 | 0800 | 1201 | 1528 |
| | 65.0 | 66.0 | 69.0 | 68.0 | 68.0 | 68.0 | 70.0 | 70.0 | 71.0 | 74.0 |
| | 5.7 | 6.1 | 6.0 | 6.4 | 7.3 | 6.0 | 6.0 | 5.5 | 6.1 | 6.8 |
| WE3 | 0550 | 1115 | 1316 | 1641 | 2030 | 0105 | 0412 | 0815 | 1217 | 1545 |
| | 66.0 | 68.0 | 71.0 | 71.0 | 68.0 | 68.0 | 70.0 | 70.0 | 72.0 | 73.0 |
| | 7.8 | 7.8 | 8.2 | 7.5 | 7.7 | 7.8 | 7.5 | 7.7 | 7.7 | 7.8 |

TABLE 9 (Continued)

| STATION | 8/27/75 RUN 11 | RUN 12 | RUN 13 | 8/28/75 RUN 14 | RUN 15 | RUN 16 | RUN 17 | RUN 18 | 8/29/75 RUN 19 |
|---|---|---|---|---|---|---|---|---|---|
| WE1 | 1900 | 2310 | 0310 | 0650 | 1125 | 1523 | 1915 | 2315 | 0310 |
| | 72.0 | 68.0 | 70.0 | 69.0 | 72.0 | 75.0 | 72.0 | 68.0 | 65.0 |
| | 6.6 | 6.0 | 5.5 | 5.4 | 6.1 | 5.1 | 6.2 | 5.0 | 5.0 |
| WE2 | 1905 | 2320 | 0320 | 0700 | 1140 | 1530 | 1925 | 2325 | 0320 |
| | 70.0 | 66.0 | 71.0 | 70.0 | 72.0 | 73.0 | 69.0 | 71.0 | 66.0 |
| | 6.1 | 6.0 | 5.8 | 5.6 | 6.1 | 5.3 | 5.1 | 4.8 | 4.9 |
| WE3 | 1920 | 2335 | 0335 | 0713 | 1158 | 1547 | 1940 | 2340 | 0335 |
| | 70.0 | 69.0 | 73.0 | 70.0 | 72.0 | 75.0 | 71.0 | 70.0 | 66.0 |
| | 7.5 | 8.0 | 7.4 | 7.6 | 8.0 | 6.5 | 6.2 | 6.4 | 6.2 |

TABLE 10

DISSOLVED OXYGEN (mg/1) - TIME - TEMPERATURE ($^{o}$F)

TIDAL STATIONS - SAMPLED AT HIGH AND LOW TIDES

| STATION | 8/26/75 | | 8/27/75 | | 8/28/75 | |
|---|---|---|---|---|---|---|
| | HIGH | LOW | HIGH | LOW | HIGH | LOW |
| | | | AUCOOT COVE | | | |
| AC1 - Top | 1130 | 1715 | 1235 | 1710 | 1255 | 1810 |
| | 70.0 | 70.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| | 7.1 | 8.0 | 7.2 | 7.3 | 6.7 | 6.1 |
| AC1 - Bottom | 1130 | 1725 | 1235 | 1710 | 1255 | 1810 |
| | 70.0 | 70.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| | 7.2 | 7.8 | 7.3 | 7.2 | 6.2 | 6.2 |
| AC2 - Top | 1120 | 1700 | 1230 | 1700 | 1240 | 1800 |
| | 70.0 | 70.0 | 73.0 | 74.0 | 73.0 | 74.0 |
| | 6.8 | 7.4 | 7.3 | 9.9 | 6.6 | 8.7 |
| AC2 - Bottom | 1120 | 1700 | 1230 | 1700 | 1220 | 1800 |
| | 70.0 | 70.0 | 73.0 | 73.0 | 73.0 | 74.0 |
| | 6.9 | 8.5 | 7.5 | 8.0 | 6.9 | 7.5 |
| | | | BROAD MARSH RIVER | | | |
| BM1 | 1300 | 1630 | --- | 1650 | 1238 | 1754 |
| | 72.0 | 73.0 | --- | 77.0 | 76.0 | 76.0 |
| | 7.1 | 10.4 | --- | 11.5 | 9.1 | 8.5 |
| | | | EAST RIVER | | | |
| ER1 | 1330 | 1700 | --- | 1710 | 1259 | 1814 |
| | 70.0 | 71.0 | --- | 75.0 | 71.0 | 74.0 |
| | 7.1 | 8.2 | --- | 9.1 | 8.1 | 7.5 |
| | | | MATTAPOISETT HARBOR | | | |
| MH2 | --- | 1900 | 1400 | 1610 | 1204 | 1715 |
| | --- | 72.0 | 81.0 | 81.0 | 76.0 | 78.0 |
| | --- | 7.6 | 8.4 | 9.4 | 9.0 | 7.1 |
| MH3 - Top | 1032 | 1615 | 1155 | 1635 | 1200 | 1720 |
| | 70.0 | 70.0 | 73.0 | 72.0 | 73.0 | 74.0 |
| | 7.2 | 7.7 | 6.7 | 7.8 | 7.0 | 6.5 |
| MH3 - Bottom | 1030 | 1615 | 1155 | 1635 | 1200 | 1720 |
| | 70.0 | 70.0 | 73.0 | 72.0 | 73.0 | 74.0 |
| | 6.6 | 7.3 | 6.8 | 6.4 | 7.5 | 6.8 |

TABLE 10 (Continued)

| STATION | 8/26/75 | | 8/27/75 | | 8/28/75 | |
|---|---|---|---|---|---|---|
| | HIGH | LOW | HIGH | LOW | HIGH | LOW |
| MH4 - Top | 1050 | 1625 | 1205 | 1640 | 1215 | 1735 |
| | 70.0 | 70.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| | 6.9 | 6.7 | 6.9 | 6.4 | 7.0 | 5.9 |
| MH4 - Bottom | 1050 | 1625 | 1205 | 1640 | 1215 | 1735 |
| | 70.0 | 70.0 | 72.0 | 71.0 | 72.0 | 72.0 |
| | 7.1 | 7.2 | 6.9 | 6.9 | 7.1 | 5.7 |
| | MILLER COVE | | | | | |
| MC1 | 1345 | 1710 | --- | 1720 | 1308 | 1825 |
| | 70.0 | 70.0 | --- | 74.0 | 76.0 | 74.0 |
| | 7.1 | 9.9 | --- | 11.0 | 10.5 | 10.0 |
| | PINE ISLAND POND | | | | | |
| PI1 - Top | 1100 | 1640 | 1215 | 1645 | 1225 | 1745 |
| | 70.0 | 70.0 | 72.0 | 74.0 | 72.0 | 75.0 |
| | 7.2 | 9.0 | 7.3 | 8.2 | 7.1 | 8.8 |
| PI1 - Bottom | 1100 | 1640 | 1215 | 1645 | 1225 | 1745 |
| | 70.0 | 70.0 | 72.0 | 72.0 | 72.0 | 74.0 |
| | 7.0 | 8.6 | 7.3 | 8.3 | 7.3 | 6.6 |
| | SIPPICAN HARBOR | | | | | |
| SIH1 - Top | 1220 | 1810 | 1325 | 1745 | 1335 | 1855 |
| | 70.0 | 70.0 | 74.0 | 74.0 | 74.0 | 75.0 |
| | 6.5 | 7.6 | 7.4 | 9.4 | 7.2 | 7.5 |
| SIH1 - Bottom | 1220 | 1810 | 1325 | 1745 | 1335 | 1855 |
| | 70.0 | 70.0 | 72.0 | 74.0 | 74.0 | 74.0 |
| | 6.4 | 7.6 | 6.9 | 8.4 | 7.0 | 7.0 |
| SIH2 - Top | 1150 | 1800 | 1310 | 1735 | 1325 | 1840 |
| | 70.0 | 71.0 | 72.0 | 74.0 | 75.0 | 74.0 |
| | 6.9 | 7.9 | 7.3 | 8.5 | 7.6 | 7.4 |
| SIH2 - Bottom | 1150 | 1800 | 1310 | 1735 | 1325 | 1840 |
| | 70.0 | 70.0 | 72.0 | 74.0 | 74.0 | 74.0 |
| | 6.9 | 7.6 | 7.1 | 8.0 | 6.8 | 7.4 |
| SIH3 - Top | 1210 | 1740 | 1300 | 1720 | 1310 | 1825 |
| | 70.0 | 70.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| | 7.0 | 7.6 | 7.0 | --- | 6.8 | 6.4 |
| SIH3 - Bottom | 1210 | 1740 | 1300 | 1720 | 1310 | 1825 |
| | 70.0 | 64.0 | 71.0 | 72.0 | 72.0 | 72.0 |
| | 6.5 | 7.2 | 6.6 | 6.7 | 6.5 | 6.6 |

TABLE 10 (Continued)

| STATION | 8/26/75 | | 8/27/75 | | 8/28/75 | |
|---|---|---|---|---|---|---|
| | HIGH | LOW | HIGH | LOW | HIGH | LOW |
| | | | WEWEANTIC RIVER | | | |
| WE4 | 1250 | 1620 | --- | 1635 | 1224 | 1740 |
| | 72.0 | 72.0 | --- | 75.0 | 75.0 | 76.0 |
| | 7.0 | 7.6 | --- | 9.4 | 8.0 | 7.5 |

TABLE 11

BUZZARDS BAY I 1975 SURVEY

SUMMARY OF DISSOLVED OXYGEN DATA

| STATION | 7/9-11/75 | | | 8/19-22/75 | | |
|---|---|---|---|---|---|---|
| | MAX. | MIN. | AVG. | MAX. | MIN. | AVG. |
| | | | ACUSHNET RIVER | | | |
| AR1 | 8.2 | 5.6 | 6.4 | 7.2 | 5.3 | 6.3 |
| AR2a | 4.3 | 1.4 | 2.7 | 2.8 | 0.7 | 1.7 |
| AR3 | 9.0 | 3.8 | 6.6 | 11.0 | 4.3 | 7.9 |
| AR3a | 4.0 | 0.5 | 1.7 | 5.2 | 0.1 | 2.4 |
| AR4a | 6.6 | 4.4 | 5.9 | 6.6 | 1.5 | 3.7 |
| AR5 | 4.8 | 1.9 | 2.3 | 2.3 | 0.9 | 1.5 |
| AR6 | 7.3 | 4.9 | 6.2 | 8.2 | 4.9 | 6.2 |
| AR7 * | --- | --- | --- | 5.2/5.1 | 4.0/4.2 | 4.8/4.7 |
| ** | 6.3/3.7 | 3.9/2.8 | 4.8/3.3 | 7.7/4.8 | 5.5/3.0 | 6.6/3.9 |
| AR8 * | --- | --- | --- | 5.5/6.0 | 4.9/5.0 | 5.3/5.4 |
| ** | 6.4/4.7 | 4.7/3.9 | 5.4/4.4 | 5.6/5.6 | 4.9/4.4 | 5.4/5.0 |
| | | | APPONAGANSETT BAY | | | |
| AP1 * | --- | --- | --- | 6.4 | 5.3 | 6.0 |
| ** | 7.6 | 4.1 | 6.3 | 7.8 | 5.7 | 7.0 |
| AP2 | 7.5 | 5.7 | 6.7 | 8.3 | 5.1 | 6.6 |
| | | | CLARK COVE | | | |
| CC1 * | --- | --- | --- | 8.6/7.8 | 7.9/6.2 | 8.2/7.1 |
| ** | 7.6 | 6.8 | 7.2 | 8.2/8.7 | 8.1/8.0 | 8.2/8.3 |
| | | | NEW BEDFORD HARBOR | | | |
| NB1 West * | --- | --- | --- | 6.7/6.7 | 6.2/6.4 | 6.5/6.5 |
| ** | 8.3/6.9 | 5.6/5.3 | 7.1/6.1 | 7.9/8.1 | 6.6/6.9 | 7.3/7.4 |
| NB1 East * | --- | --- | --- | 6.8/7.1 | 6.4/6.3 | 6.6/6.6 |
| ** | 8.4/6.3 | 6.6/5.0 | 7.3/5.7 | 7.4/7.6 | 6.8/5.9 | 7.1/6.7 |

* High tide grab sample
** Low tide grab sample
Top/Bottom

TABLE 11 (Continued)

| STATION | 7/9-11/75 | | | 8/19-22/75 | | |
|---|---|---|---|---|---|---|
| | MAX. | MIN. | AVG. | MAX. | MIN. | AVG. |
| NB2 * | --- | --- | --- | 8.5/7.2 | 7.4/5.5 | 7.9/6.3 |
| ** | 7.5/6.5 | 6.9/5.9 | 7.1/6.1 | 7.6/6.3 | 6.2/6.1 | 7.0/6.2 |
| NB3 * | --- | --- | --- | 7.6/8.1 | 7.2/6.2 | 7.4/6.9 |
| ** | 7.1/7.1 | 6.8/5.4 | 7.0/6.1 | 7.5/7.2 | 6.4/6.0 | 7.0/6.5 |
| NB5 * | --- | --- | --- | 8.1/8.1 | 7.8/5.3 | 8.0/7.1 |
| ** | 7.6/7.6 | 6.9/5.3 | 7.3/6.5 | 8.3/7.1 | 7.7/5.8 | 8.0/6.4 |
| NB5a | 7.9 | 4.1 | 5.7 | 9.3 | 4.4 | 6.2 |
| PASKAMANSET RIVER | | | | | | |
| PA1 | 5.8 | 2.9 | 3.8 | 5.5 | 3.0 | 4.4 |
| PA2 | --- | --- | --- | 5.8 | 4.6 | 5.3 |
| PA3 | 7.9 | 4.9 | 5.8 | 6.6 | 5.0 | 6.0 |
| PA4 | 6.9 | 4.5 | 5.6 | 6.9 | 5.4 | 6.1 |
| ROUND HILL BEACH | | | | | | |
| RH1 * | --- | --- | --- | 9.2 | 8.2 | 8.9 |
| ** | 7.3 | 6.9 | 7.1 | 7.5 | 3.0 | 5.4 |
| SHINGLE ISLAND RIVER | | | | | | |
| SI1 | 8.9 | 6.4 | 7.5 | 8.8 | 7.2 | 8.0 |
| WESTPORT RIVER - EAST BRANCH | | | | | | |
| WPE 1 | 6.3 | 4.2 | 5.4 | 8.5 | 5.5 | 6.9 |
| WPE 2 | 8.1 | 6.0 | 6.6 | 7.4 | 5.7 | 6.7 |
| WPE 3 * | --- | --- | --- | 6.6 | 5.4 | 6.1 |
| ** | 8.8 | 5.6 | 7.3 | 8.9 | 8.7 | 8.8 |
| WPE 4 | 8.2 | 5.3 | 6.8 | 6.3 | 4.1 | 5.6 |
| WPE 5 * | --- | --- | --- | 7.8 | 7.3 | 7.5 |
| ** | 7.6 | 6.2 | 7.1 | 8.2 | 7.6 | 7.9 |
| WESTPORT RIVER - WEST BRANCH | | | | | | |
| WPW 1 | 7.4 | 4.2 | 5.6 | 6.4 | 3.1 | 5.0 |

TABLE 12

BUZZARDS BAY II 1975 SURVEY

SUMMARY OF DISSOLVED OXYGEN DATA

| STATION | 7/15-18/75 | | | 8/26-29/75 | | |
|---|---|---|---|---|---|---|
| | MAX. | MIN. | AVG. | MAX. | MIN. | AVG. |
| | | | AGAWAM RIVER | | | |
| AG1 | 9.2 | 7.2 | 7.6 | 9.1 | 6.6 | 7.9 |
| AG2 | 8.2 | 7.0 | 7.7 | 8.8 | 6.7 | 7.8 |
| AG3 | 8.2 | 6.4 | 7.5 | 8.7 | 6.0 | 7.8 |
| AG4 | 9.4 | 4.7 | 7.0 | 10.6 | 5.2 | 7.9 |
| | | | AUCOOT COVE | | | |
| AC1* | --- | --- | --- | 7.2/7.3 | 6.7/6.2 | 7.0/6.9 |
| ** | 6.9/7.1 | 6.7/6.7 | 6.8/6.9 | 8.0/7.8 | 6.1/6.2 | 7.1/7.1 |
| AC2* | --- | --- | --- | 7.3/7.5 | 6.6/6.9 | 6.9/7.1 |
| ** | 7.0/6.8 | 6.0/6.3 | 6.4/6.6 | 9.9/8.5 | 7.4/7.5 | 8.7/8.0 |
| | | | BROAD MARSH RIVER | | | |
| BM1* | --- | --- | --- | 9.1 | 7.1 | 8.1 |
| ** | 8.9 | 8.2 | 8.6 | 11.5 | 8.5 | 10.1 |
| | | | EAST RIVER | | | |
| ER1* | --- | --- | --- | 8.1 | 7.1 | 7.6 |
| ** | 7.2 | 6.5 | 6.8 | 9.1 | 7.5 | 8.3 |
| | | | MATTAPOISETT HARBOR | | | |
| MH1 | 7.7 | 4.4 | 6.2 | 6.3 | 3.0 | 4.7 |
| MH2* | --- | --- | --- | 9.0 | 8.4 | 8.7 |
| ** | 6.0 | 4.9 | 5.5 | 9.4 | 7.1 | 8.0 |
| MH3* | --- | --- | --- | 7.2/7.5 | 6.7/6.6 | 7.0/7.0 |
| ** | 6.3/6.8 | 6.0/6.0 | 6.2/6.3 | 7.8/7.3 | 6.5/6.4 | 7.3/6.8 |
| MH4* | --- | --- | --- | 7.0/7.1 | 6.9/6.9 | 6.9/7.0 |
| ** | 7.0/7.2 | 6.7/6.0 | 6.9/6.7 | 6.7/7.2 | 5.9/5.7 | 6.3/6.6 |
| | | | MATTAPOISETT RIVER | | | |
| MA1 | 7.1 | 0.4 | 2.8 | 8.3 | 3.1 | 5.8 |
| MA2 | 5.8 | 4.2 | 4.9 | 7.0 | 4.2 | 5.9 |
| MA3 | 6.8 | 4.4 | 5.4 | 8.0 | 5.1 | 6.6 |

*High tide grab sample
**Low tide grab sample
Top/bottom

TABLE 12 (Continued)

| STATION | 7/15-18/75 | | | 8/26-29/75 | | |
|---|---|---|---|---|---|---|
| | MAX. | MIN. | AVG. | MAX. | MIN. | AVG. |
| **MILLER COVE** | | | | | | |
| MC1 * | --- | --- | --- | 10.5 | 7.1 | 8.8 |
| ** | 9.0 | 6.6 | 8.2 | 11.0 | 9.9 | 10.3 |
| **PINE ISLAND POND** | | | | | | |
| PI1 * | --- | --- | --- | 7.3/7.3 | 7.1/7.0 | 7.2/7.2 |
| ** | 6.4/6.6 | 5.9/5.8 | 6.2/6.2 | 9.0/8.6 | 8.3/6.6 | 8.7/7.8 |
| PI2 | 5.6 | 3.6 | 4.9 | 6.7 | 3.0 | 4.4 |
| **SIPPICAN HARBOR** | | | | | | |
| SIH1 * | --- | --- | --- | 7.4/7.0 | 6.5/6.4 | 7.0/6.8 |
| ** | 6.6/6.0 | 5.9/5.4 | 6.2/5.7 | 9.4/8.4 | 7.5/7.0 | 8.2/7.7 |
| SIH2 * | --- | --- | --- | 7.6/7.1 | 6.9/6.8 | 7.3/6.9 |
| ** | 6.8/6.5 | 6.1/6.0 | 6.5/6.3 | 8.5/8.0 | 7.4/7.4 | 7.9/7.7 |
| SIH3 * | --- | --- | --- | 7.0/6.6 | 6.8/6.5 | 6.9/6.5 |
| ** | 7.6/7.3 | 5.7/5.5 | 6.6/5.9 | 7.6/7.2 | 6.4/6.6 | 7.0/6.8 |
| **SIPPICAN RIVER** | | | | | | |
| SIR1 | 5.8 | 3.6 | 5.1 | 5.6 | 3.2 | 4.4 |
| SIR2 | 5.9 | 4.3 | 5.3 | 7.0 | 5.0 | 6.1 |
| **WANKINCO RIVER** | | | | | | |
| WO1 | 9.5 | 4.9 | 7.1 | 10.1 | 4.9 | 7.6 |
| WO2 | 9.4 | 7.0 | 8.3 | 10.1 | 6.7 | 8.5 |
| WO3 | 8.6 | 6.8 | 7.5 | 9.2 | 6.5 | 7.7 |
| **WAREHAM RIVER** | | | | | | |
| WM1 | 9.7 | 5.8 | 7.3 | 10.0 | 6.0 | 7.4 |
| **WEWEANTIC RIVER** | | | | | | |
| WE1 | 4.0 | 2.4 | 3.3 | 6.7 | 5.0 | 5.9 |
| WE2 | 5.4 | 4.2 | 4.7 | 7.3 | 4.8 | 5.8 |
| WE3 | 7.5 | 6.1 | 7.1 | 8.2 | 6.2 | 7.4 |
| WE4 * | --- | --- | --- | 8.0 | 7.0 | 7.5 |
| ** | 7.6 | 5.7 | 6.8 | 9.4 | 7.5 | 8.2 |

TABLE 13

BUZZARDS BAY I 1975 SURVEY

SUMMARY OF TEMPERATURE DATA

| STATION | 7/9-11/75 | | | 8/19-22/75 | | |
|---|---|---|---|---|---|---|
| | MAX. | MIN. | AVG. | MAX. | MIN. | AVG. |
| | | | ACUSHNET RIVER | | | |
| AR1 | 84 | 74 | 77 | 79 | 61 | 73 |
| AR2a | 76 | 66 | 70 | 71 | 56 | 64 |
| AR3 | 77 | 70 | 73 | 76 | 60 | 69 |
| AR3a | 73 | 64 | 68 | 72 | 55 | 68 |
| AR4a | 76 | 64 | 67 | 76 | 55 | 63 |
| AR5 | 76 | 67 | 73 | 73 | 62 | 68 |
| AR6 | 77 | 71 | 73 | 74 | 64 | 69 |
| AR7 * | -- | -- | -- | 70/70 | 69/68 | 70/69 |
| ** | 75/74 | 72/72 | 74/73 | 74/73 | 73/72 | 74/72 |
| AR8 * | -- | -- | -- | 69/70 | 68/69 | 68/69 |
| ** | 74/74 | 72/72 | 73/73 | 74/72 | 72/72 | 73/72 |
| | | | APPONAGANSETT BAY | | | |
| AP1 * | -- | -- | -- | 71 | 69 | 70 |
| ** | 78 | 75 | 76 | 77 | 71 | 74 |
| AP2 | 76 | 68 | 71 | 72 | 60 | 66 |
| | | | CLARK COVE | | | |
| CC1 * | -- | -- | -- | 70/70 | 67/65 | 69/67 |
| ** | 74 | 73 | 74 | 72/71 | 71/70 | 72/70 |
| | | | NEW BEDFORD HARBOR | | | |
| NB1 West * | -- | -- | -- | 70/69 | 68/68 | 69/69 |
| ** | 74/74 | 72/72 | 73/73 | 73/71 | 71/70 | 72/71 |
| NB1 East * | -- | -- | -- | 70/70 | 66/68 | 68/69 |
| ** | 74/74 | 72/72 | 73/73 | 72/71 | 71/70 | 72/71 |

* High tide grab sample
** Low tide grab sample
Top/bottom

TABLE 13 (Continued)

| STATION | 7/9-11/75 | | | 8/19-22/75 | | |
|---|---|---|---|---|---|---|
| | MAX. | MIN. | AVG. | MAX. | MIN. | AVG. |
| NB2 * | -- | -- | -- | 68/68 | 67/67 | 68/67 |
| ** | 72/72 | 72/68 | 72/70 | 71/69 | 70/68 | 70/69 |
| NB3 * | -- | -- | -- | 68/66 | 66/66 | 67/66 |
| ** | 72/70 | 70/68 | 71/69 | 70/70 | 70/69 | 70/70 |
| NB5 * | -- | -- | -- | 69/70 | 67/67 | 68/68 |
| ** | 74/72 | 72/70 | 73/71 | 74/71 | 70/70 | 71/70 |
| NB5a | 72 | 66 | 69 | 78 | 62 | 69 |
| | | | PASKAMANSET RIVER | | | |
| PA1 | 83 | 62 | 76 | 83 | 70 | 75 |
| PA2 | -- | -- | -- | 77 | 67 | 71 |
| PA3 | 72 | 67 | 69 | 74 | 59 | 66 |
| PA4 | 79 | 70 | 73 | 77 | 66 | 71 |
| | | | ROUND HILL BEACH | | | |
| RH1 * | -- | -- | -- | 74 | 72 | 73 |
| ** | 74 | 72 | 73 | 73 | 71 | 72 |
| | | | SHINGLE ISLAND RIVER | | | |
| SI1 | 69 | 61 | 66 | 67 | 54 | 61 |
| | | | WESTPORT RIVER - EAST BRANCH | | | |
| WPE 1 | 78 | 70 | 75 | 79 | 61 | 73 |
| WPE 2 | 76 | 68 | 72 | 75 | 63 | 69 |
| WPE 3 * | -- | -- | -- | 74 | 67 | 71 |
| ** | 78 | 76 | 77 | 78 | 70 | 74 |
| WPE 4 | 76 | 65 | 68 | 68 | 60 | 64 |
| WPE 5 * | -- | -- | -- | 69 | 67 | 68 |
| ** | 75 | 74 | 74 | 76 | 72 | 73 |
| | | | WESTPORT RIVER - WEST BRANCH | | | |
| WPW 1 | 74 | 65 | 70 | 73 | 60 | 66 |

TABLE 14

BUZZARDS BAY II 1975 SURVEY

SUMMARY OF TEMPERATURE DATA

| STATION | 7/15-18/75 | | | 8/26-29/75 | | |
|---|---|---|---|---|---|---|
| | MAX. | MIN. | AVG. | MAX. | MIN. | AVG. |
| | | | AGAWAM RIVER | | | |
| AG1 | 82 | 76 | 79 | 80 | 66 | 73 |
| AG2 | 82 | 75 | 78 | 79 | 69 | 74 |
| AG3 | 80 | 76 | 78 | 79 | 68 | 74 |
| AG4 | 84 | 74 | 79 | 78 | 67 | 73 |
| | | | AUCOOT COVE | | | |
| AC1* | -- | -- | -- | 72/72 | 70/70 | 71/71 |
| ** | 74/73 | 72/71 | 73/72 | 72/72 | 70/70 | 71/71 |
| AC2* | -- | -- | -- | 73/73 | 70/70 | 72/71 |
| ** | 73/74 | 72/72 | 73/73 | 74/74 | 70/70 | 73/72 |
| | | | BROAD MARSH RIVER | | | |
| BM1* | -- | -- | -- | 76 | 72 | 74 |
| ** | 79 | 78 | 79 | 76 | 73 | 75 |
| | | | EAST RIVER | | | |
| ER1* | -- | -- | -- | 71 | 70 | 71 |
| ** | 76 | 71 | 74 | 75 | 71 | 73 |
| | | | MATTAPOISETT HARBOR | | | |
| MH1 | 71 | 66 | 69 | 72 | 62 | 67 |
| MH2* | -- | -- | -- | 81 | 76 | 79 |
| ** | 77 | 74 | 75 | 81 | 72 | 77 |
| MH3* | -- | -- | -- | 73/73 | 70/70 | 72/72 |
| ** | 72/74 | 72/72 | 72/73 | 74/74 | 70/70 | 72/72 |
| MH4* | -- | -- | -- | 72/72 | 70/70 | 72/72 |
| ** | 73/71 | 71/70 | 72/71 | 72/72 | 70/70 | 72/71 |
| | | | MATTAPOISETT RIVER | | | |
| MA1 | 87 | 75 | 79 | 83 | 62 | 72 |
| MA2 | 79 | 73 | 76 | 78 | 65 | 71 |
| MA3 | 78 | 70 | 74 | 71 | 64 | 68 |

*High tide grab sample

**Low tide grab sample

Top/bottom

TABLE 14 (Continued)

| STATION | 7/15-18/75 | | | 8/26-29/75 | | |
|---|---|---|---|---|---|---|
| | MAX. | MIN. | AVG. | MAX. | MIN. | AVG. |
| | | | MILLER COVE | | | |
| MC1 * | -- | -- | -- | 76 | 70 | 73 |
| ** | 74 | 70 | 71 | -- | -- | -- |
| | | | PINE ISLAND POND | | | |
| PI1 * | -- | -- | -- | 72/72 | 70/70 | 72/72 |
| ** | 74/74 | 72/73 | 73/74 | 75/74 | 70/70 | 72/72 |
| PI2 | 76 | 66 | 69 | 71 | 62 | 66 |
| | | | SIPPICAN HARBOR | | | |
| SIH1 * | -- | -- | -- | 74/74 | 70/70 | 73/72 |
| ** | 80/79 | 74/74 | 75/75 | 75/74 | 70/70 | 73/73 |
| SIH2 * | -- | -- | -- | 75/74 | 70/70 | 72/72 |
| ** | 76/76 | 74/74 | 75/75 | 74/74 | 71/70 | 73/73 |
| SIH3 * | -- | -- | -- | 72/72 | 70/70 | 72/71 |
| ** | 79/77 | 70/76 | 75/77 | 72/72 | 70/64 | 72/69 |
| | | | SIPPICAN RIVER | | | |
| SIR1 | 81 | 76 | 78 | 73 | 64 | 69 |
| SIR2 | 80 | 75 | 78 | 74 | 66 | 70 |
| | | | WANKINCO RIVER | | | |
| WO1 | 79 | 67 | 71 | 72 | 58 | 65 |
| WO2 | 78 | 72 | 76 | 74 | 63 | 69 |
| WO3 | 82 | 76 | 79 | 78 | 68 | 73 |
| | | | WAREHAM RIVER | | | |
| WM1 | 83 | 77 | 80 | 78 | 68 | 74 |
| | | | WEWEANTIC RIVER | | | |
| WE1 | 79 | 76 | 78 | 75 | 64 | 69 |
| WE2 | 80 | 76 | 78 | 74 | 65 | 69 |
| WE3 | 79 | 74 | 77 | 75 | 66 | 70 |
| WE4 * | -- | -- | -- | 75 | 72 | 74 |
| ** | 80 | 76 | 78 | 76 | 72 | 74 |

TABLE 15

BUZZARDS BAY I 1975 SURVEY

$BOD_5$ (mg/l)

| STATION | 7/8/75 | 7/10/75 | AVG. | 8/19/75 | 8/21/75 | AVG. |
|---|---|---|---|---|---|---|
| | | ACUSHNET RIVER | | | | |
| AR1 | 0.6 | 1.4 | 1.0 | 1.4 | 1.8 | 1.6 |
| AR2 a | 42. | 9.6 | 26. | 7.8 | 24. | 15.9 |
| AR3 | 3.0 | 1.6 | 2.3 | 0.4 | 1.4 | 1.9 |
| AR3a | 3.6 | 0.4 | 2.0 | 1.2 | 2.2 | 1.7 |
| AR4a | 1.6 | 0.6 | 1.1 | 0.8 | 3.6 | 2.2 |
| AR5 | 1.8 | 0.8 | 1.3 | 1.0 | 1.6 | 1.3 |
| AR6 | 1.8 | 0.8 | 1.3 | 1.4 | 3.4 | 2.4 |
| AR7 * | --- | --- | --- | 1.0 | 1.0 | 1.0 |
| ** | 1.6 | 1.2 | 1.4 | 0.6 | 1.8 | 1.2 |
| AR8 * | --- | --- | --- | 0.4 | 0.8 | 0.6 |
| ** | 1.6 | 2.2 | 1.9 | 0.6 | 1.2 | 0.9 |
| | | APPONAGANSETT BAY | | | | |
| AP1 * | --- | --- | --- | 0.8 | 1.8 | 1.3 |
| ** | 2.0 | 2.2 | 2.1 | 0.6 | 1.8 | 1.2 |
| AP2 | 1.8 | 1.2 | 1.5 | 1.2 | 0.0 | 0.6 |
| | | CLARK COVE | | | | |
| CC1 * | --- | --- | --- | 1.0 | 0.4 | 0.7 |
| ** | 1.6 | 2.0 | 1.8 | 0.4 | 0.6 | 0.5 |
| | | NEW BEDFORD HARBOR | | | | |
| NB1 West * | --- | --- | --- | 1.0 | 1.2 | 1.1 |
| ** | 2.2 | 1.0 | 1.6 | 1.2 | 1.4 | 1.3 |
| NB1 East * | --- | --- | --- | 0.4 | 0.8 | 0.6 |
| ** | 1.4 | 1.0 | 1.2 | 1.2 | 1.2 | 1.2 |

* High tide grab sample
** Low tide grab sample

TABLE 15 (Continued)

| STATION | 7/8/75 | 7/10/75 | AVG. | 8/19/75 | 8/21/75 | AVG. |
|---|---|---|---|---|---|---|
| NB2 * | --- | --- | --- | 0.4 | 1.4 | 0.9 |
| ** | 1.0 | 0.6 | 0.8 | 1.0 | 0.8 | 0.9 |
| NB3 * | --- | --- | --- | 0.2 | 1.2 | 0.7 |
| ** | 1.2 | 0.4 | 0.8 | 1.2 | 1.0 | 1.1 |
| NB5 * | --- | --- | --- | 0.6 | 1.2 | 0.9 |
| ** | 1.4 | 1.4 | 1.4 | 1.0 | --- | --- |
| NB5a | 1.0 | 1.2 | 1.1 | 1.8 | 1.4 | 1.6 |
| PASKAMANSET RIVER | | | | | | |
| PA1 | 3.0 | 3.6 | 3.3 | 1.8 | 0.8 | 1.3 |
| PA2 | --- | --- | --- | 2.4 | 0.4 | 1.4 |
| PA3 | 1.4 | 1.0 | 1.2 | 1.0 | 0.6 | 0.8 |
| PA4 | 1.8 | 1.6 | 1.7 | 0.6 | 1.0 | 0.8 |
| ROUND HILL BEACH | | | | | | |
| RH1 * | --- | --- | --- | 1.0 | 1.4 | 1.2 |
| ** | 1.2 | 1.4 | 1.3 | 0.8 | 0.6 | 0.7 |
| SHINGLE ISLAND RIVER | | | | | | |
| SI1 | 1.6 | 0.6 | 1.1 | 0.4 | 0.0 | 0.2 |
| WESTPORT RIVER - EAST BRANCH | | | | | | |
| WPE 1 | 0.6 | 1.0 | 0.8 | 1.8 | 2.0 | 1.9 |
| WPE 2 | 1.6 | 1.0 | 1.3 | 1.2 | 1.4 | 1.3 |
| WPE 3 * | --- | --- | --- | 1.8 | 1.6 | 1.7 |
| ** | 2.6 | 3.6 | 3.1 | 2.4 | 3.8 | 3.1 |
| WPE 4 | 1.2 | 0.8 | 1.0 | 0.0 | 1.0 | 0.5 |
| WPE 5 * | --- | --- | --- | 0.4 | 0.8 | 0.6 |
| ** | 2.2 | 2.0 | 2.1 | 0.8 | 1.6 | 1.2 |
| WESTPORT RIVER - WEST BRANCH | | | | | | |
| WPW 1 | 1.6 | 1.0 | 1.3 | 1.4 | 1.0 | 1.2 |

TABLE 16

BUZZARDS BAY II 1975 SURVEY

$BOD_5$ (mg/l)

| STATION | 7/15/75 | 7/17/75 | AVG. | 8/26/75 | 8/28/75 | AVG. |
|---|---|---|---|---|---|---|
| | | AGAWAM RIVER | | | | |
| AG1 | 2.0 | 1.4 | 1.7 | 3.8 | 5.0 | 4.4 |
| AG2 | 1.8 | -- | -- | 4.8 | 5.0 | 4.9 |
| AG3 | 1.8 | 1.4 | 1.6 | 4.0 | 4.4 | 4.2 |
| AG4 | 1.4 | 1.2 | 1.3 | 4.2 | 4.2 | 4.2 |
| | | AUCOOT COVE | | | | |
| AC1* | -- | -- | -- | 3.6 | 1.0 | 2.3 |
| ** | 0.4 | 0.2 | 0.3 | 4.2 | 0.2 | 2.2 |
| AC2* | -- | -- | -- | 3.8 | 0.4 | 2.1 |
| ** | 0.6 | 0.6 | 0.6 | 4.0 | 0.8 | 2.4 |
| | | BROAD MARSH RIVER | | | | |
| BM1* | -- | -- | -- | 4.0 | 1.4 | 2.7 |
| ** | 2.0 | 1.6 | 1.8 | 4.6 | 1.6 | 3.1 |
| | | EAST RIVER | | | | |
| ER1* | -- | -- | -- | 4.2 | 1.2 | 2.7 |
| ** | 1.8 | 0.8 | 1.3 | 4.6 | 2.2 | 3.4 |
| | | MATTAPOISETT HARBOR | | | | |
| MH1 | 2.2 | -- | -- | 7.8 | 1.0 | 4.4 |
| MH2* | -- | -- | -- | 4.4 | 1.2 | 2.8 |
| ** | 1.2 | 0.4 | 0.8 | 6.4 | 1.2 | 3.8 |
| MH3* | -- | -- | -- | 3.8 | 0.4 | 2.1 |
| ** | 0.8 | 0.4 | 0.6 | 3.8 | 0.6 | 2.2 |
| MH4* | -- | -- | -- | 3.4 | 0.8 | 2.1 |
| ** | 0.4 | 0.2 | 0.3 | 3.8 | 0.4 | 2.1 |
| | | MATTAPOISETT RIVER | | | | |
| MA1 | 1.2 | 1.2 | 1.2 | 3.6 | 0.8 | 2.2 |
| MA2 | 4.6 | 1.0 | 2.8 | 3.6 | 1.4 | 2.8 |
| MA3 | 1.0 | 1.0 | 1.0 | 3.2 | 1.0 | 2.1 |

*High tide grab sample
**Low tide grab sample

TABLE 16 (Continued)

| STATION | 7/15/75 | 7/17/75 | AVG. | 8/26/75 | 8/28/75 | AVG. |
|---|---|---|---|---|---|---|
| | | MILLER COVE | | | | |
| MC1 * | -- | -- | -- | 4.2 | 1.2 | 2.7 |
| ** | 3.0 | 3.2 | 3.1 | 4.6 | 1.4 | 3.0 |
| | | PINE ISLAND POND | | | | |
| PI1 * | -- | -- | -- | 3.4 | 0.4 | 1.9 |
| ** | 0.8 | 0.4 | 0.6 | 3.2 | 0.4 | 1.8 |
| PI2 | 8.8 | 1.4 | 5.1 | 4.2 | 9.8 | 7.0 |
| | | SIPPICAN HARBOR | | | | |
| SIH1 * | -- | -- | -- | 5.4 | 2.4 | 3.9 |
| ** | 1.6 | 1.8 | 1.7 | 4.6 | 2.2 | 3.4 |
| SIH2 * | -- | -- | -- | 4.6 | 3.0 | 3.8 |
| ** | 1.0 | 0.2 | 0.6 | 5.2 | 1.2 | 3.2 |
| SIH3 * | -- | -- | -- | 4.4 | 1.8 | 3.1 |
| ** | 1.2 | 0.4 | 0.8 | 4.0 | 0.8 | 2.4 |
| | | SIPPICAN RIVER | | | | |
| SIR1 | 1.6 | 1.2 | 1.4 | 4.2 | 4.4 | 4.3 |
| SIR2 | 0.6 | -- | -- | 3.4 | 1.0 | 2.2 |
| | | WANKINCO RIVER | | | | |
| WO1 | 1.6 | 1.0 | 1.3 | 3.8 | 4.6 | 4.2 |
| WO2 | 1.8 | 1.0 | 1.4 | 4.2 | 4.6 | 4.4 |
| WO3 | 3.2 | 3.4 | 3.3 | 4.0 | 4.6 | 4.3 |
| | | WAREHAM RIVER | | | | |
| WM1 | 1.6 | 1.4 | 1.5 | 4.0 | 4.4 | 4.2 |
| | | WEWEANTIC RIVER | | | | |
| WE1 | 1.0 | 1.6 | 1.3 | 4.0 | 4.4 | 4.2 |
| WE2 | 1.2 | 0.8 | 1.0 | 3.6 | 4.2 | 3.9 |
| WE3 | 1.0 | 0.8 | 0.9 | 3.8 | 5.2 | 4.5 |
| WE4 * | -- | -- | -- | 4.0 | 1.4 | 2.7 |
| ** | 2.0 | 2.2 | 2.1 | 4.2 | 1.2 | 2.7 |

TABLE 17

BUZZARDS BAY I 1975 SURVEY

2-,5-,7-DAY BOD (mg/l)

| STATION | DATE SAMPLED | 2-DAY | 5-DAY | 7-DAY |
|---|---|---|---|---|
| AR2a | 7/8/75 | 36 | 42 | 72 |
| | 8/19/75 | 5.7 | 7.8 | 14.7 |
| AR3 | 7/8/75 | 2.0 | 3.0 | 4.2 |
| | 8/19/75 | 0.2 | 0.4 | 1.4 |
| AR3a | 7/8/75 | 1.8 | 3.6 | 4.8 |
| | 8/19/75 | 0.4 | 1.2 | 2.0 |
| AR6 | 7/8/75 | 1.4 | 1.8 | 2.6 |
| | 8/19/75 | 0.4 | 1.4 | 2.2 |
| AR8* | 7/8/75 | 1.2 | 1.6 | 2.0 |
| | 8/19/75 | 0.0 | 0.6 | 1.4 |
| PA4 | 7/8/75 | 1.0 | 1.8 | 2.6 |
| | 8/19/75 | 0.0 | 0.6 | 1.4 |
| SI1 | 7/8/75 | 1.0 | 1.6 | 2.0 |
| | 8/19/75 | 0.0 | 0.4 | 1.0 |
| WPE4 | 7/8/75 | 0.6 | 1.2 | 1.6 |
| | 8/19/75 | 0.0 | 0.0 | 0.2 |

*Low tide sample

TABLE 18

BUZZARDS BAY II 1975 SURVEY

2-,5-,7-DAY BOD (mg/l)

| STATION | DATE SAMPLED | 2-DAY | 5-DAY | 7-DAY |
|---|---|---|---|---|
| AG3 | 7/15/75 | 1.0 | 1.8 | 2.6 |
| | 8/26/75 | 0.0 | 4.0 | 4.2 |
| AG4 | 7/15/75 | 1.0 | 1.4 | 2.0 |
| | 8/26/75 | 0.2 | 4.2 | 4.2 |
| WO1 | 7/15/75 | 1.2 | 1.6 | 2.0 |
| | 8/26/75 | 0.0 | 3.8 | 3.8 |
| WO2 | 7/15/75 | 1.0 | 1.8 | 2.4 |
| | 8/26/75 | 0.0 | 4.2 | 4.4 |
| WM1 | 7/15/75 | 1.0 | 1.6 | 1.6 |
| | 8/26/75 | 0.0 | 4.0 | 4.2 |

TABLE 19

BUZZARDS BAY I 1975 SURVEY

COD (mg/l)

| STATION | 7/8/75 | 7/10/75 | AVG. | 8/19/75 | 8/21/75 | AVG. |
|---|---|---|---|---|---|---|
| | | ACUSHNET RIVER | | | | |
| AR1 | 56 | 40 | 48 | 40 | 34 | 37 |
| AR2a | 110 | 67 | 88 | 66 | 77 | 72 |
| AR3 | 53 | 37 | 45 | 40 | 38 | 39 |
| AR3a | 60 | 35 | 48 | 53 | 62 | 58 |
| AR4a | 30 | 32 | 31 | 31 | 115 | 73 |
| AR5 | 48 | 37 | 42 | 35 | 62 | 48 |
| AR6 | 35 | 68 | 52 | 57 | 34 | 46 |
| AR7 * | -- | -- | -- | -- | -- | -- |
| ** | -- | -- | -- | -- | -- | -- |
| AR8 * | -- | -- | -- | -- | -- | -- |
| ** | -- | -- | -- | -- | -- | -- |
| | | APPONAGANSETT BAY | | | | |
| AP1 * | -- | -- | -- | -- | -- | -- |
| ** | -- | -- | -- | -- | -- | -- |
| AP2 | 28 | 30 | 29 | 9 | 53 | 31 |
| | | CLARK COVE | | | | |
| CC1 * | -- | -- | -- | -- | -- | -- |
| ** | -- | -- | -- | -- | -- | -- |
| | | NEW BEDFORD HARBOR | | | | |
| NB1 West * | -- | -- | -- | -- | -- | -- |
| ** | -- | -- | -- | -- | -- | -- |
| NB1 East * | -- | -- | -- | -- | -- | -- |
| ** | -- | -- | -- | -- | -- | -- |

* High tide grab sample
** Low tide grab sample

TABLE 19 (Continued)

| STATION | 7/8/75 | 7/10/75 | AVG. | 8/19/75 | 8/21/75 | AVG. |
|---|---|---|---|---|---|---|
| NB2 * | -- | -- | -- | -- | -- | -- |
| ** | -- | -- | -- | -- | -- | -- |
| NB3 * | -- | -- | -- | -- | -- | -- |
| ** | -- | -- | -- | -- | -- | -- |
| NB5 * | -- | -- | -- | -- | -- | -- |
| ** | -- | -- | -- | -- | -- | -- |
| NB5a | 70 | 58 | 64 | 84 | 27 | 56 |
| | | | PASKAMANSET RIVER | | | |
| PA1 | 116 | 109 | 112 | 88 | 110 | 99 |
| PA2 | -- | -- | -- | 66 | 91 | 78 |
| PA3 | 60 | 55 | 58 | 35 | 86 | 60 |
| PA4 | 51 | 55 | 53 | 40 | -- | -- |
| | | | ROUND HILL BEACH | | | |
| RH1 * | -- | -- | -- | -- | -- | -- |
| ** | -- | -- | -- | -- | -- | -- |
| | | | SHINGLE ISLAND RIVER | | | |
| SI1 | 26 | 30 | 28 | 22 | 38 | 30 |
| | | | WESTPORT RIVER - EAST BRANCH | | | |
| WPE 1 | 42 | 48 | 45 | 26 | 77 | 52 |
| WPE 2 | 42 | 46 | 44 | 158 | 44 | 101 |
| WPE 3 * | -- | -- | -- | -- | -- | -- |
| ** | -- | -- | -- | -- | -- | -- |
| WPE 4 | 37 | 40 | 38 | 35 | 82 | 58 |
| WPE 5 * | -- | -- | -- | -- | -- | -- |
| ** | -- | -- | -- | -- | -- | -- |
| | | | WESTPORT RIVER - WEST BRANCH | | | |
| WPW 1 | 49 | 49 | 49 | 31 | 82 | 56 |

TABLE 20

BUZZARDS BAY II 1975 SURVEY

COD (mg/l)

| STATION | 7/15/75 | 7/17/75 | AVG. | 8/26/75 | 8/28/75 | AVG. |
|---|---|---|---|---|---|---|
| | | AGAWAM RIVER | | | | |
| AG1 | 16 | 13 | 14 | 19 | 12 | 16 |
| AG2 | 14 | -- | -- | 19 | 12 | 16 |
| AG3 | 19 | 13 | 16 | 19 | 12 | 16 |
| AG4 | -- | 10 | -- | -- | -- | -- |
| | | MATTAPOISETT HARBOR | | | | |
| MH1 | 33 | 49 | 41 | 27 | 46 | 36 |
| MH2 | -- | -- | -- | -- | -- | -- |
| MH3 | -- | -- | -- | -- | -- | -- |
| MH4 | -- | -- | -- | -- | -- | -- |
| | | MATTAPOISETT RIVER | | | | |
| MA1 | 29 | 27 | 28 | 29 | 29 | 29 |
| MA2 | 35 | 42 | 38 | 40 | 37 | 38 |
| MA3 | 29 | 30 | 30 | 44 | 31 | 38 |
| | | PINE ISLAND POND | | | | |
| PI1 | -- | -- | -- | -- | -- | -- |
| PI2 | 39 | 49 | 44 | 25 | 31 | 28 |
| | | SIPPICAN RIVER | | | | |
| SIR1 | 40 | 39 | 40 | 27 | 23 | 25 |
| SIR2 | 39 | -- | -- | 31 | 21 | 26 |
| | | WANKINCO RIVER | | | | |
| WO1 | 13 | 9.0 | 11 | 15 | 10 | 12 |
| WO2 | 16 | 16 | 16 | 19 | 8 | 14 |
| WO3 | 68 | 65 | 66 | 6 | 3 | 4 |
| | | WEWEANTIC RIVER | | | | |
| WE1 | 36 | 35 | 36 | 36 | 31 | 34 |
| WE2 | 35 | 37 | 36 | 29 | 25 | 27 |
| WE3 | 30 | 30 | 30 | 33 | 23 | 28 |
| WE4 | -- | -- | -- | -- | -- | -- |

TABLE 21

BUZZARDS BAY I 1975 SURVEY

AMMONIA-NITROGEN (mg/l)

| STATION | 7/8/75 | 7/10/75 | AVG. | 8/19/75 | 8/21/75 | AVG. |
|---|---|---|---|---|---|---|
| | | ACUSHNET RIVER | | | | |
| AR1 | 0.00 | 0.03 | 0.02 | 0.04 | 0.05 | 0.04 |
| AR2 a | 3.1 | 1.4 | 2.2 | 1.8 | 0.82 | 1.3 |
| AR3 | 0.14 | 0.03 | 0.08 | 0.01 | 0.00 | 0.00 |
| AR3a | 0.01 | 0.05 | 0.03 | 0.19 | 0.20 | 0.20 |
| AR4a | 0.01 | 0.02 | 0.02 | 0.06 | 0.10 | 0.08 |
| AR5 | 0.08 | 0.12 | 0.10 | 0.09 | 0.05 | 0.07 |
| AR6 | 0.06 | 0.10 | 0.08 | 0.08 | 0.05 | 0.06 |
| AR7 * | -- | -- | -- | 0.25 | 0.28 | 0.26 |
| ** | 0.27 | 0.26 | 0.26 | 0.22 | 0.31 | 0.26 |
| AR8 * | -- | -- | -- | 0.36 | 0.27 | 0.32 |
| ** | 0.18 | 0.17 | 0.18 | 0.23 | 0.36 | 0.30 |
| | | APPONAGANSETT BAY | | | | |
| AP1 * | -- | -- | -- | 0.15 | 0.23 | 0.19 |
| ** | 0.15 | 0.22 | 0.18 | 0.14 | 0.24 | 0.19 |
| AP2 | 0.01 | 0.02 | 0.02 | 0.02 | 0.03 | 0.02 |
| | | CLARK COVE | | | | |
| CC1 * | -- | -- | -- | 0.06 | 0.05 | 0.06 |
| ** | 0.07 | 0.12 | 0.10 | 0.06 | 0.08 | 0.07 |
| | | NEW BEDFORD HARBOR | | | | |
| NB1 West * | -- | -- | -- | 0.22 | 0.19 | 0.20 |
| ** | 0.09 | 0.18 | 0.14 | 0.21 | 0.21 | 0.21 |
| NB1 East * | -- | -- | -- | 0.20 | 0.14 | 0.17 |
| ** | 0.11 | 0.28 | 0.20 | 0.18 | 0.16 | 0.17 |

* High tide grab sample
** Low tide grab sample

TABLE 21 (Continued)

| STATION | 7/8/75 | 7/10/75 | AVG. | 8/19/75 | 8/21/75 | AVG. |
|---|---|---|---|---|---|---|
| NB2 * | -- | -- | -- | 0.15 | 0.11 | 0.13 |
| ** | 0.09 | 0.14 | 0.12 | 0.15 | 0.10 | 0.12 |
| NB3 * | -- | -- | -- | 0.10 | 0.08 | 0.09 |
| ** | 0.06 | 0.13 | 0.10 | 0.13 | 0.08 | 0.10 |
| NB5 * | -- | -- | -- | 0.08 | 0.04 | 0.06 |
| ** | 0.04 | 0.08 | 0.06 | 0.03 | -- | -- |
| NB5a | 0.02 | 0.06 | 0.04 | -- | 0.03 | -- |
| PASKAMANSET RIVER | | | | | | |
| PA1 | 0.00 | 0.01 | 0.01 | 0.03 | 0.03 | 0.03 |
| PA2 | -- | -- | -- | 0.11 | 0.05 | 0.08 |
| PA3 | 0.05 | 0.05 | 0.05 | 0.08 | 0.05 | 0.06 |
| PA4 | 0.03 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 |
| ROUND HILL BEACH | | | | | | |
| RH1 * | -- | -- | -- | 0.04 | 0.05 | 0.04 |
| ** | 0.08 | 0.21 | 0.15 | 0.09 | 0.14 | 0.11 |
| SHINGLE ISLAND RIVER | | | | | | |
| SI1 | 0.00 | 0.01 | 0.00 | 0.01 | 0.02 | 0.02 |
| WESTPORT RIVER - EAST BRANCH | | | | | | |
| WPE 1 | 0.02 | 0.06 | 0.04 | -- | 0.00 | -- |
| WPE 2 | 0.13 | 0.10 | 0.12 | -- | 0.07 | -- |
| WPE 3 * | -- | -- | -- | -- | 0.10 | -- |
| ** | 0.03 | 0.10 | 0.06 | -- | 0.06 | -- |
| WPE 4 | 0.01 | 0.00 | 0.00 | 0.04 | 0.04 | 0.04 |
| WPE 5 * | -- | -- | -- | 0.10 | 0.08 | 0.09 |
| ** | 0.07 | 0.13 | 0.10 | 0.06 | 0.08 | 0.07 |
| WESTPORT RIVER - WEST BRANCH | | | | | | |
| WPW 1 | 0.03 | 0.03 | 0.03 | 0.04 | 0.03 | 0.04 |

TABLE 22

BUZZARDS BAY II 1975 SURVEY

AMMONIA-NITROGEN (mg/l)

| STATION | 7/15/75 | 7/17/75 | AVG. | 8/26/75 | 8/28/75 | AVG. |
|---|---|---|---|---|---|---|
| | | AGAWAM RIVER | | | | |
| AG1 | 0.04 | 0.02 | 0.03 | 0.02 | 0.00 | 0.01 |
| AG2 | 0.01 | -- | -- | 0.01 | 0.00 | 0.00 |
| AG3 | 0.01 | 0.03 | 0.02 | 0.01 | 0.02 | 0.02 |
| AG4 | 0.06 | 0.06 | 0.06 | 0.12 | 0.06 | 0.09 |
| | | AUCOOT COVE | | | | |
| AC1* | -- | -- | -- | 0.12 | 0.07 | 0.10 |
| ** | 0.28 | 0.30 | 0.29 | 0.14 | 0.10 | 0.12 |
| AC2* | -- | -- | -- | 0.12 | 0.07 | 0.10 |
| ** | 0.15 | 0.18 | 0.16 | 0.11 | 0.07 | 0.09 |
| | | BROAD MARSH RIVER | | | | |
| BM1* | -- | -- | -- | 0.13 | 0.04 | 0.08 |
| ** | 0.11 | 0.10 | 0.10 | 0.20 | 0.04 | 0.12 |
| | | EAST RIVER | | | | |
| ER1* | -- | -- | -- | 0.08 | 0.05 | 0.06 |
| ** | 0.11 | 0.09 | 0.10 | 0.11 | 0.03 | 0.07 |
| | | MATTAPOISETT HARBOR | | | | |
| MH1 | 0.24 | -- | -- | 1.4 | 2.8 | 2.1 |
| MH2* | -- | -- | -- | 0.06 | 0.04 | 0.05 |
| ** | 0.09 | 0.10 | 0.10 | 0.06 | 0.04 | 0.05 |
| MH3* | -- | -- | -- | 0.22 | 0.20 | 0.21 |
| ** | 0.22 | 0.19 | 0.20 | 0.27 | 0.23 | 0.25 |
| MH4* | -- | -- | -- | 0.19 | 0.05 | 0.12 |
| ** | 0.19 | 0.22 | 0.20 | 0.20 | 0.05 | 0.12 |
| | | MATTAPOISETT RIVER | | | | |
| MA1 | 0.03 | 0.05 | 0.04 | 0.05 | 0.05 | 0.05 |
| MA2 | 0.04 | 0.03 | 0.04 | 0.03 | 0.06 | 0.04 |
| MA3 | 0.03 | 0.03 | 0.03 | 0.02 | 0.04 | 0.03 |

*High tide grab sample

**Low tide grab sample

TABLE 22 (Continued)

| STATION | 7/15/75 | 7/17/75 | AVG. | 8/26/75 | 8/28/75 | AVG. |
|---|---|---|---|---|---|---|
| | | MILLER COVE | | | | |
| MC1 * | -- | -- | -- | 0.08 | 0.05 | 0.06 |
| ** | 0.14 | 0.08 | 0.11 | 0.07 | 0.06 | 0.06 |
| | | PINE ISLAND POND | | | | |
| PI1 * | -- | -- | -- | 0.13 | 0.17 | 0.15 |
| ** | 0.16 | 0.20 | 0.18 | 0.17 | 0.18 | 0.18 |
| PI2 | 0.14 | 0.11 | 0.12 | 0.15 | 0.12 | 0.14 |
| | | SIPPICAN HARBOR | | | | |
| SIH1 * | -- | -- | -- | 0.07 | 0.02 | 0.04 |
| ** | 0.15 | 0.12 | 0.14 | 0.06 | 0.02 | 0.04 |
| SIH2 * | -- | -- | -- | 0.07 | 0.03 | 0.05 |
| ** | 0.15 | 0.16 | 0.16 | 0.10 | 0.04 | 0.07 |
| SIH3 * | -- | -- | -- | 0.10 | 0.04 | 0.07 |
| ** | 0.14 | 0.17 | 0.16 | 0.10 | 0.06 | 0.08 |
| | | SIPPICAN RIVER | | | | |
| SIR1 | 0.05 | 0.03 | 0.04 | 0.04 | 0.04 | 0.04 |
| SIR2 | 0.05 | -- | -- | 0.02 | 0.04 | 0.03 |
| | | WANKINCO RIVER | | | | |
| WO1 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| WO2 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| WO3 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 |
| | | WAREHAM RIVER | | | | |
| WM1 | 0.19 | 0.17 | 0.18 | 0.27 | 0.38 | 0.32 |
| | | WEWEANTIC RIVER | | | | |
| WE1 | 0.01 | 0.02 | 0.02 | 0.03 | 0.01 | 0.02 |
| WE2 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| WE3 | 0.02 | 0.01 | 0.02 | 0.01 | 0.02 | 0.02 |
| WE4 * | -- | -- | -- | 0.28 | 0.04 | 0.16 |
| ** | 0.12 | 0.10 | 0.11 | 0.03 | 0.05 | 0.04 |

TABLE 23

BUZZARDS BAY I 1975 SURVEY

NITRATE-NITROGEN (mg/l)

| STATION | 7/8/75 | 7/10/75 | AVG. | 8/19/75 | 8/21/75 | AVG. |
|---|---|---|---|---|---|---|
| | | ACUSHNET RIVER | | | | |
| AR1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| AR2a | 0.1 | 0.3 | 0.2 | 0.7 | 0.0 | 0.4 |
| AR3 | 0.2 | 0.3 | 0.2 | 0.2 | 0.1 | 0.2 |
| AR3a | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AR4a | 0.9 | 0.7 | 0.8 | 0.1 | 0.0 | 0.1 |
| AR5 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| AR6 | 0.2 | 0.3 | 0.2 | 0.2 | 0.1 | 0.2 |
| AR7 * | -- | -- | -- | 0.0 | 0.0 | 0.0 |
| ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.28 | 0.14 |
| AR8 * | -- | -- | -- | 0.0 | 0.0 | 0.0 |
| ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | APPONAGANSETT BAY | | | | |
| AP1 * | -- | -- | -- | 0.0 | 0.0 | 0.0 |
| ** | 1.5 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 |
| AP2 | 0.6 | 1.7 | 1.2 | 1.5 | 1.5 | 1.5 |
| | | CLARK COVE | | | | |
| CC1 * | -- | -- | -- | 0.0 | 0.0 | 0.0 |
| ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | NEW BEDFORD HARBOR | | | | |
| NB1 West * | -- | -- | -- | 0.0 | 0.0 | 0.0 |
| ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NB1 East * | -- | -- | -- | 0.0 | 0.0 | 0.0 |
| ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

* High tide grab sample
** Low tide grab sample

TABLE 23 (Continued)

| STATION | 7/8/75 | 7/10/75 | AVG. | 8/19/75 | 8/21/75 | AVG. |
|---|---|---|---|---|---|---|
| NB2 * | -- | -- | -- | 0.0 | 0.0 | 0.0 |
| ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NB3 * | -- | -- | -- | 0.0 | 0.0 | 0.0 |
| ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NB5 * | -- | -- | -- | 0.0 | 0.0 | 0.0 |
| ** | 0.0 | 0.0 | 0.0 | 0.0 | -- | -- |
| NB5a | 1.7 | 1.8 | 1.8 | -- | 1.7 | -- |
| PASKAMANSET RIVER | | | | | | |
| PA1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| PA2 | -- | -- | -- | 0.2 | 0.2 | 0.2 |
| PA3 | 0.1 | 0.7 | 0.4 | 0.5 | 0.4 | 0.4 |
| PA4 | 0.6 | 0.5 | 0.6 | 0.2 | 0.2 | 0.2 |
| ROUND HILL BEACH | | | | | | |
| RH1 * | -- | -- | -- | 0.0 | 0.0 | 0.0 |
| ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHINGLE ISLAND RIVER | | | | | | |
| SI1 | 0.0 | 0.2 | 0.1 | 0.3 | 0.2 | 0.2 |
| WESTPORT RIVER - EAST BRANCH | | | | | | |
| WPE 1 | 0.1 | 0.1 | 0.1 | -- | 0.0 | -- |
| WPE 2 | 0.5 | 0.6 | 0.6 | -- | 0.3 | -- |
| WPE 3 * | -- | -- | -- | -- | 0.0 | -- |
| ** | 0.5 | 0.0 | 0.2 | -- | 0.0 | -- |
| WPE 4 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| WPE 5 * | -- | -- | -- | 0.0 | 0.0 | 0.0 |
| ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| WESTPORT RIVER - WEST BRANCH | | | | | | |
| WPW 1 | 0.2 | 0.4 | 0.3 | 0.2 | 0.2 | 0.2 |

TABLE 24

BUZZARDS BAY II 1975 SURVEY

NITRATE-NITROGEN (mg/l)

| STATION | 7/15/75 | 7/17/75 | AVG. | 8/26/75 | 8/28/75 | AVG. |
|---|---|---|---|---|---|---|
| | | AGAWAM RIVER | | | | |
| AG1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AG2 | 0.0 | -- | -- | 0.0 | 0.0 | 0.0 |
| AG3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AG4 | 0.2 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 |
| | | AUCOOT COVE | | | | |
| AC1* | -- | -- | -- | 0.0 | 0.0 | 0.0 |
| ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC2* | -- | -- | -- | 0.0 | 0.0 | 0.0 |
| ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | BROAD MARSH RIVER | | | | |
| BM1* | -- | -- | -- | 0.0 | 0.0 | 0.0 |
| ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | EAST RIVER | | | | |
| ER1* | -- | -- | -- | 0.0 | 0.0 | 0.0 |
| ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | MATTAPOISETT HARBOR | | | | |
| MH1 | 0.4 | -- | -- | 1.3 | 1.9 | 1.6 |
| MH2* | -- | -- | -- | 0.0 | 0.0 | 0.0 |
| ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| MH3* | -- | -- | -- | 0.0 | 0.0 | 0.0 |
| ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| MH4* | -- | -- | -- | 0.0 | 0.0 | 0.0 |
| ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | MATTAPOISETT RIVER | | | | |
| MA1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| MA2 | 0.4 | 0.4 | 0.4 | 0.5 | 0.4 | 0.4 |
| MA3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 |

*High tide grab sample
**Low tide grab sample

TABLE 24 (Continued)

| STATION | 7/15/75 | 7/17/75 | AVG. | 8/26/75 | 8/28/75 | AVG. |
|---|---|---|---|---|---|---|
| | | MILLER COVE | | | | |
| MC1 * | -- | -- | -- | 0.0 | 0.0 | 0.0 |
| ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | PINE ISLAND POND | | | | |
| PI1 * | -- | -- | -- | 0.0 | 0.0 | 0.0 |
| ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PI2 | 0.7 | 0.9 | 0.8 | 0.3 | 0.3 | 0.3 |
| | | SIPPICAN HARBOR | | | | |
| SIH1 * | -- | -- | -- | 0.0 | 0.0 | 0.0 |
| ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIH2 * | -- | -- | -- | 0.0 | 0.0 | 0.0 |
| ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIH3 * | -- | -- | -- | 0.0 | 0.0 | 0.0 |
| ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | SIPPICAN RIVER | | | | |
| SIR1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIR2 | 0.2 | -- | -- | 0.3 | 0.3 | 0.3 |
| | | WANKINCO RIVER | | | | |
| WO1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| WO2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| WO3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | WAREHAM RIVER | | | | |
| WM1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | WEWEANTIC RIVER | | | | |
| WE1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 |
| WE2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 |
| WE3 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 |
| WE4 * | -- | -- | -- | 0.0 | 0.0 | 0.0 |
| ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 25

BUZZARDS BAY I 1975 SURVEY

TOTAL PHOSPHORUS (mg/1)

| STATION | 7/8/75 | 7/10/75 | AVG. | 8/19/75 | 8/21/75 | AVG. |
|---|---|---|---|---|---|---|
| | | | ACUSHNET RIVER | | | |
| AR1 | 0.08 | 0.02 | 0.05 | 0.01 | 0.01 | 0.01 |
| AR2a | 2.1 | 1.0 | 1.60 | 0.50 | 1.1 | 0.80 |
| AR3 | 0.12 | 0.05 | 0.08 | 0.06 | 0.04 | 0.05 |
| AR3a | 0.09 | 0.09 | 0.09 | 0.13 | 0.18 | 0.16 |
| AR4a | 0.09 | 0.07 | 0.08 | 0.08 | 0.27 | 0.18 |
| AR5 | 0.08 | 0.05 | 0.06 | 0.04 | 0.06 | 0.05 |
| AR6 | 0.07 | 0.08 | 0.08 | 0.06 | 0.10 | 0.08 |
| AR7 * | -- | -- | -- | 0.06 | 0.06 | 0.06 |
| ** | 0.10 | 0.09 | 0.10 | 0.07 | 0.07 | 0.07 |
| AR8 * | -- | -- | -- | 0.06 | 0.05 | 0.06 |
| ** | 0.07 | 0.08 | 0.08 | 0.06 | 0.06 | 0.06 |
| | | | APPONAGANSETT BAY | | | |
| AP1 * | -- | -- | -- | 0.06 | 0.08 | 0.07 |
| ** | 0.05 | 0.05 | 0.05 | 0.07 | 0.08 | 0.08 |
| AP2 | 0.05 | 0.05 | 0.05 | 0.01 | 0.04 | 0.02 |
| | | | CLARK COVE | | | |
| CC1 * | -- | -- | -- | 0.01 | 0.04 | 0.02 |
| ** | 0.05 | 0.05 | 0.05 | 0.02 | 0.05 | 0.04 |
| | | | NEW BEDFORD HARBOR | | | |
| NB1 West * | -- | -- | -- | 0.05 | 0.06 | 0.06 |
| ** | 0.05 | 0.08 | 0.06 | 0.05 | 0.08 | 0.06 |
| NB1 East * | -- | -- | -- | 0.05 | 0.04 | 0.04 |
| ** | 0.04 | 0.05 | 0.04 | 0.06 | 0.06 | 0.06 |

* High tide grab sample
** Low tide grab sample

TABLE 25 (Continued)

| STATION | 7/8/75 | 7/10/75 | AVG. | 8/19/75 | 8/21/75 | AVG. |
|---|---|---|---|---|---|---|
| NB2 * | -- | -- | -- | 0.03 | 0.02 | 0.02 |
| ** | 0.06 | 0.04 | 0.05 | 0.04 | 0.05 | 0.04 |
| NB3 * | -- | -- | -- | 0.02 | 0.04 | 0.03 |
| ** | 0.02 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 |
| NB5 * | -- | -- | -- | 0.01 | 0.06 | 0.04 |
| ** | 0.02 | 0.04 | 0.03 | 0.02 | -- | -- |
| NB5a | 0.01 | 0.04 | 0.02 | 0.03 | 0.05 | 0.04 |
| PASKAMANSET RIVER | | | | | | |
| PA1 | 0.02 | 0.03 | 0.02 | 0.02 | 0.03 | 0.02 |
| PA2 | -- | --- | -- | 0.03 | 0.06 | 0.04 |
| PA3 | 0.07 | 0.04 | 0.06 | 0.04 | 0.05 | 0.04 |
| PA4 | 0.04 | 0.06 | 0.05 | 0.05 | 0.06 | 0.06 |
| ROUND HILL BEACH | | | | | | |
| RH1 * | -- | -- | -- | 0.01 | 0.04 | 0.02 |
| ** | 0.02 | 0.03 | 0.02 | 0.02 | 0.04 | 0.03 |
| SHINGLE ISLAND RIVER | | | | | | |
| SI1 | 0.02 | 0.01 | 0.02 | 0.01 | 0.04 | 0.02 |
| WESTPORT RIVER - EAST BRANCH | | | | | | |
| WPE 1 | 0.03 | 0.02 | 0.02 | 0.02 | 0.04 | 0.03 |
| WPE 2 | 0.03 | 0.03 | 0.03 | 0.04 | 0.05 | 0.04 |
| WPE 3 * | -- | -- | -- | 0.05 | 0.07 | 0.06 |
| ** | 0.04 | 0.06 | 0.05 | 0.07 | 0.07 | 0.07 |
| WPE 4 | 0.01 | 0.02 | 0.02 | 0.04 | 0.04 | 0.04 |
| WPE 5 * | -- | -- | -- | 0.03 | 0.01 | 0.02 |
| ** | 0.02 | 0.03 | 0.02 | 0.05 | 0.04 | 0.04 |
| WESTPORT RIVER - WEST BRANCH | | | | | | |
| WPW 1 | 0.06 | 0.06 | 0.06 | 0.04 | 0.07 | 0.06 |

TABLE 26

BUZZARDS BAY II 1975 SURVEY

TOTAL PHOSPHORUS (mg/l)

| STATION | 7/15/75 | 7/17/75 | AVG. | 8/26/75 | 8/28/75 | AVG. |
|---|---|---|---|---|---|---|
| | | AGAWAM RIVER | | | | |
| AG1 | 0.03 | 0.06 | 0.04 | 0.02 | 0.04 | 0.03 |
| AG2 | 0.03 | --- | --- | 0.01 | 0.01 | 0.01 |
| AG3 | 0.02 | 0.03 | 0.02 | 0.01 | 0.01 | 0.01 |
| AG4 | 0.05 | 0.06 | 0.06 | 0.02 | 0.01 | 0.02 |
| | | AUCOOT COVE | | | | |
| AC1* | --- | --- | --- | 0.03 | 0.04 | 0.04 |
| ** | 0.01 | 0.04 | 0.02 | 0.06 | 0.01 | 0.04 |
| AC2* | --- | --- | --- | 0.04 | 0.05 | 0.04 |
| ** | 0.01 | 0.01 | 0.01 | 0.03 | 0.04 | 0.04 |
| | | BROAD MARSH RIVER | | | | |
| BM1* | --- | --- | --- | 0.05 | 0.04 | 0.04 |
| ** | 0.02 | 0.05 | 0.04 | 0.04 | 0.07 | 0.06 |
| | | EAST RIVER | | | | |
| ER1* | --- | --- | --- | 0.04 | 0.04 | 0.04 |
| ** | 0.00 | 0.04 | 0.02 | 0.04 | 0.04 | 0.04 |
| | | MATTAPOISETT HARBOR | | | | |
| MH1 | 0.24 | --- | --- | 0.78 | 0.62 | 0.70 |
| MH2* | --- | --- | --- | 0.04 | 0.04 | 0.04 |
| ** | 0.02 | 0.02 | 0.02 | 0.08 | 0.05 | 0.06 |
| MH3* | --- | --- | --- | 0.06 | 0.02 | 0.04 |
| ** | 0.02 | 0.08 | 0.05 | 0.04 | 0.03 | 0.04 |
| MH4* | --- | --- | --- | 0.07 | 0.04 | 0.06 |
| ** | 0.01 | 0.05 | 0.03 | 0.08 | 0.02 | 0.05 |
| | | MATTAPOISETT RIVER | | | | |
| MA1 | 0.06 | 0.08 | 0.07 | 0.01 | 0.04 | 0.02 |
| MA2 | 0.08 | 0.10 | 0.09 | 0.02 | 0.06 | 0.04 |
| MA3 | 0.07 | 0.09 | 0.08 | 0.04 | 0.03 | 0.04 |

*High tide grab sample
**Low tide grab sample

TABLE 26 (Continued)

| STATION | 7/15/75 | 7/17/75 | AVG. | 8/26/75 | 8/28/75 | AVG. |
|---|---|---|---|---|---|---|
| | | MILLER COVE | | | | |
| MC1 * | --- | --- | --- | 0.04 | 0.05 | 0.04 |
| ** | 0.05 | 0.04 | 0.04 | 0.04 | 0.06 | 0.05 |
| | | PINE ISLAND POND | | | | |
| PI1 * | --- | --- | --- | 0.05 | 0.03 | 0.04 |
| ** | 0.02 | 0.04 | 0.03 | 0.09 | 0.02 | 0.06 |
| PI2 | 0.40 | 0.52 | 0.46 | 0.26 | 0.17 | 0.20 |
| | | SIPPICAN HARBOR | | | | |
| SIH1 * | --- | --- | --- | 0.04 | 0.04 | 0.04 |
| ** | 0.05 | 0.02 | 0.04 | 0.07 | 0.05 | 0.06 |
| SIH2 * | --- | --- | --- | 0.05 | 0.06 | 0.06 |
| ** | 0.02 | 0.03 | 0.02 | 0.06 | 0.04 | 0.05 |
| SIH3 * | --- | --- | --- | 0.05 | 0.05 | 0.05 |
| ** | 0.02 | 0.01 | 0.02 | 0.05 | 0.06 | 0.06 |
| | | SIPPICAN RIVER | | | | |
| SIR1 | 0.07 | 0.10 | 0.08 | 0.02 | 0.01 | 0.02 |
| SIR2 | 0.06 | --- | --- | 0.02 | 0.02 | 0.02 |
| | | WANKINCO RIVER | | | | |
| WO1 | 0.02 | 0.05 | 0.04 | 0.02 | 0.01 | 0.02 |
| WO2 | 0.04 | 0.05 | 0.04 | 0.01 | 0.01 | 0.01 |
| WO3 | 0.06 | 0.09 | 0.08 | 0.02 | 0.02 | 0.02 |
| | | WAREHAM RIVER | | | | |
| WM1 | 0.06 | 0.03 | 0.04 | 0.03 | 0.04 | 0.04 |
| | | WEWEANTIC RIVER | | | | |
| WE1 | 0.06 | 0.13 | 0.10 | 0.04 | 0.05 | 0.04 |
| WE2 | 0.09 | 0.13 | 0.11 | 0.03 | 0.02 | 0.02 |
| WE3 | 0.09 | 0.10 | 0.10 | 0.03 | 0.02 | 0.02 |
| WE4 * | --- | --- | --- | 0.07 | 0.06 | 0.06 |
| ** | 0.04 | 0.09 | 0.06 | 0.05 | 0.06 | 0.06 |

TABLE 27

BUZZARDS BAY I 1975 SURVEY

pH

| STATION | 7/8/75 | 7/10/75 | 8/19/75 | 8/21/75 |
|---|---|---|---|---|
| | | ACUSHNET RIVER | | |
| AR1 | 6.8 | 6.8 | 6.7 | 6.8 |
| AR2 a | 7.4 | 7.4 | 7.2 | 7.2 |
| AR3 | 7.3 | 6.9 | 6.6 | 7.1 |
| AR3a | 6.5 | 6.7 | 6.8 | 6.7 |
| AR4a | 6.9 | 7.0 | 6.3 | 6.4 |
| AR5 | 6.7 | 7.0 | 6.6 | 6.6 |
| AR6 | 7.1 | 7.1 | 7.1 | 7.0 |
| AR7 * | -- | -- | 8.1 | 8.0 |
| ** | 7.8 | 7.8 | 8.1 | 8.0 |
| AR8 * | -- | -- | 8.0 | 8.1 |
| ** | 7.9 | 8.1 | 8.0 | 8.0 |
| | | APPONAGANSETT BAY | | |
| AP1 * | -- | -- | 7.8 | 7.9 |
| ** | 7.6 | 7.8 | 8.0 | 7.7 |
| AP2 | 7.5 | 7.5 | 7.7 | 7.3 |
| | | CLARK COVE | | |
| CC1 * | -- | -- | 8.3 | 8.2 |
| ** | 8.3 | 8.1 | 8.2 | 8.3 |
| | | NEW BEDFORD HARBOR | | |
| NB1 West * | -- | -- | 8.2 | 8.2 |
| ** | 8.2 | 8.0 | 8.2 | 8.2 |
| NB1 East * | -- | -- | 8.3 | 8.1 |
| ** | 8.1 | 8.1 | 8.2 | 8.2 |

* High tide grab sample
** Low tide grab sample

TABLE 27 (Continued)

| STATION | 7/8/75 | 7/10/75 | 8/19/75 | 8/21/75 |
|---|---|---|---|---|
| NB2 * | -- | -- | 8.4 | 8.3 |
| ** | 8.3 | 8.1 | 8.3 | 8.3 |
| NB3 * | -- | -- | 8.3 | 8.3 |
| ** | 8.3 | 8.2 | 8.3 | 8.3 |
| NB5 * | -- | -- | 8.4 | 8.3 |
| ** | 8.3 | 8.2 | 8.3 | -- |
| NB5a | 7.9 | 7.7 | 6.8 | 6.9 |
| PASKAMANSET RIVER | | | | |
| PA1 | 4.6 | 4.5 | 4.9 | 4.9 |
| PA2 | -- | -- | 6.7 | 6.6 |
| PA3 | 6.6 | 6.7 | 6.9 | 6.8 |
| PA4 | 6.8 | 6.9 | 7.7 | 7.1 |
| ROUND HILL BEACH | | | | |
| RH1 * | -- | -- | 8.4 | 8.4 |
| ** | 8.1 | 8.0 | 8.2 | 8.2 |
| SHINGLE ISLAND RIVER | | | | |
| SI1 | 6.9 | 6.8 | 6.7 | 7.0 |
| WESTPORT RIVER - EAST BRANCH | | | | |
| WPE 1 | 6.6 | 6.3 | 6.9 | 6.7 |
| WPE 2 | 6.8 | 6.6 | 7.0 | 6.8 |
| WPE 3 * | -- | -- | 8.2 | 8.0 |
| ** | 7.7 | 8.0 | 8.0 | 8.1 |
| WPE 4 | 6.5 | 6.6 | 7.0 | 6.4 |
| WPE 5 * | -- | -- | 8.3 | 8.3 |
| ** | 8.0 | 8.1 | 8.3 | 8.3 |
| WESTPORT RIVER - WEST BRANCH | | | | |
| WPW 1 | 6.8 | 6.6 | 6.7 | 6.6 |

TABLE 28

BUZZARDS BAY II 1975 SURVEY

pH

| STATION | 7/15/75 | 7/17/75 | 8/26/75 | 8/28/75 |
|---|---|---|---|---|
| | | AGAWAM RIVER | | |
| AG1 | 6.6 | 6.9 | 7.2 | 6.7 |
| AG2 | 6.6 | -- | 7.2 | 6.6 |
| AG3 | 6.6 | 6.7 | 7.2 | 6.9 |
| AG4 | 7.4 | 7.5 | 7.5 | 7.4 |
| | | AUCOOT COVE | | |
| AC1* | -- | -- | 8.3 | 8.3 |
| ** | 8.2 | 8.2 | 8.3 | 8.1 |
| AC2* | -- | -- | 8.2 | 8.3 |
| ** | 8.2 | 8.2 | 8.3 | 8.2 |
| | | BROAD MARSH RIVER | | |
| BM1* | -- | -- | 8.3 | 8.2 |
| ** | 8.1 | 8.2 | 8.3 | 8.2 |
| | | EAST RIVER | | |
| ER1* | -- | -- | 8.2 | 8.2 |
| ** | 8.2 | 8.2 | 8.2 | 8.1 |
| | | MATTAPOISETT HARBOR | | |
| MH1 | 7.2 | -- | 7.6 | 7.3 |
| MH2* | -- | -- | 8.2 | 8.2 |
| ** | 7.9 | 7.9 | 8.2 | 8.2 |
| MH3* | -- | -- | 8.2 | 8.2 |
| ** | 8.2 | 8.2 | 8.1 | 8.0 |
| MH4* | -- | -- | 8.2 | 8.2 |
| ** | 8.2 | 8.2 | 8.2 | 8.2 |
| | | MATTAPOISETT RIVER | | |
| MA1 | 6.1 | 6.0 | 7.3 | 6.2 |
| MA2 | 6.5 | 6.4 | 7.4 | 7.0 |
| MA3 | 6.3 | 6.3 | 7.6 | 6.7 |

*High tide grab sample
**Low tide grab sample

TABLE 28 (Continued)

| STATION | 7/15/75 | 7/17/75 | 8/26/75 | 8/28/75 |
|---|---|---|---|---|
| | | MILLER COVE | | |
| MC1 * | -- | -- | 8.1 | 8.2 |
| ** | 7.9 | 8.1 | 8.3 | 8.2 |
| | | PINE ISLAND POND | | |
| PI1 * | -- | -- | 8.3 | 8.2 |
| ** | 8.2 | 8.3 | 8.3 | 8.3 |
| PI2 | 5.4 | 5.7 | 6.8 | 6.2 |
| | | SIPPICAN HARBOR | | |
| SIH1 * | -- | -- | 8.2 | 8.2 |
| ** | 8.1 | 8.1 | 8.2 | 8.2 |
| SIH2 * | -- | -- | 8.2 | 8.2 |
| ** | 8.2 | 8.2 | 8.2 | 8.2 |
| SIH3 * | -- | -- | 8.2 | 8.2 |
| ** | 8.2 | 8.1 | 8.2 | 8.1 |
| | | SIPPICAN RIVER | | |
| SIR1 | 6.5 | 5.8 | 7.1 | 6.7 |
| SIR2 | 6.3 | -- | 7.1 | 6.9 |
| | | WANKINCO RIVER | | |
| WO1 | 6.5 | 6.1 | 7.3 | 6.5 |
| WO2 | 6.6 | 6.4 | 7.5 | 7.4 |
| WO3 | 7.2 | 7.0 | 7.8 | 7.1 |
| | | WAREHAM RIVER | | |
| WM1 | 8.1 | 8.2 | 7.8 | 7.9 |
| | | WEWEANTIC RIVER | | |
| WE1 | 5.6 | 5.5 | 6.9 | 6.7 |
| WE2 | 6.4 | 5.8 | 7.1 | 6.7 |
| WE3 | 6.5 | 6.2 | 7.2 | 6.5 |
| WE4 * | -- | -- | 8.2 | 8.1 |
| ** | 7.8 | 7.8 | 8.2 | 8.1 |

TABLE 29

BUZZARDS BAY I 1975 SURVEY

TOTAL ALKALINITY (mg/l)

| STATION | 7/8/75 | 7/10/75 | AVG. | 8/19/75 | 8/21/75 | AVG. |
|---|---|---|---|---|---|---|
| | | ACUSHNET RIVER | | | | |
| AR1 | 10 | 9 | 9.5 | 36 | 11 | 24 |
| AR2a | 158 | 106 | 132 | 97 | 112 | 104 |
| AR3 | 22 | 17 | 20 | 17 | 19 | 18 |
| AR3a | 30 | 30 | 30 | 12 | 32 | 22 |
| AR4a | 35 | 33 | 34 | 32 | 34 | 33 |
| AR5 | 18 | 20 | 19 | 19 | 19 | 19 |
| AR6 | 21 | 22 | 22 | 21 | 27 | 24 |
| AR7 * | -- | -- | -- | 107 | 104 | 106 |
| ** | 102 | 97 | 100 | 103 | 101 | 102 |
| AR8 * | -- | -- | -- | 104 | 105 | 104 |
| ** | 104 | 103 | 104 | 104 | 102 | 103 |
| | | APPONAGANSETT BAY | | | | |
| AP1 * | -- | -- | -- | 110 | 106 | 108 |
| ** | 110 | 104 | 107 | 107 | 106 | 106 |
| AP2 | 59 | 59 | 59 | 40 | 37 | 38 |
| | | CLARK COVE | | | | |
| CC1 * | -- | -- | -- | 110 | 108 | 109 |
| ** | 110 | 111 | 110 | 108 | 110 | 109 |
| | | NEW BEDFORD HARBOR | | | | |
| NB1 West * | -- | -- | -- | 105 | 109 | 107 |
| ** | 106 | 109 | 108 | 107 | 108 | 108 |
| NB1 East * | -- | -- | -- | 110 | 108 | 109 |
| ** | 108 | 109 | 108 | 108 | 108 | 108 |

* High tide grab sample
** Low tide grab sample

TABLE 29 (Continued)

| STATION | 7/8/75 | 7/10/75 | AVG. | 8/19/75 | 8/21/75 | AVG. |
|---|---|---|---|---|---|---|
| NB2 * | -- | -- | -- | phth[2] 1.0 | 110 | -- |
| ** | 112 | 109 | 110 | 100 | 107 | 104 |
| NB3 * | -- | -- | -- | 109 | 111 | 110 |
| ** | 114 | 110 | 112 | 110 | 112 | 111 |
| NB5 * | -- | -- | -- | phth[2] 1.0 | 110 | -- |
| ** | 112 | 110 | 111 | 108 | -- | -- |
| NB5a | 53 | 49 | 51 | 60 | 58 | 59 |
| PASKAMANSET RIVER | | | | | | |
| PA1 | 1.0 | 0.0 | 0.5 | 2.0 | 2.0 | 2.0 |
| PA2 | -- | -- | -- | 18 | 16 | 17 |
| PA3 | 4.0 | 12 | 8.0 | 17 | 17 | 17 |
| PA4 | 12 | 14 | 13 | 20 | 18 | 19 |
| ROUND HILL BEACH | | | | | | |
| RH1 * | -- | -- | -- | ma[1] 104<br>phth[2] 1.0 | 114 | -- |
| ** | 112 | 113 | 112 | 116 | 112 | 114 |
| SHINGLE ISLAND RIVER | | | | | | |
| SI1 | 7.0 | 7.0 | 7.0 | 6.0 | 10 | 8.0 |
| WESTPORT RIVER - EAST BRANCH | | | | | | |
| WPE 1 | 5.0 | 5.0 | 5.0 | 7.0 | 8.0 | 7.5 |
| WPE 2 | 6.0 | 6.0 | 6.0 | 12 | 10 | 11 |
| WPE 3 * | -- | -- | -- | 94 | 96 | 95 |
| ** | 62 | 69 | 66 | 78 | 80 | 79 |
| WPE 4 | 6.0 | 6.0 | 6.0 | 10 | 9.0 | 9.5 |
| WPE 5 * | -- | -- | -- | 112 | 112 | 112 |
| ** | 105 | 106 | 106 | 111 | 111 | 111 |
| WESTPORT RIVER - WEST BRANCH | | | | | | |
| WPW 1 | 8.0 | 8.0 | 8.0 | 10 | 10 | 10 |

1. mineral acidity 2. phenolphthalein alkalinity

TABLE 30

BUZZARDS BAY II 1975 SURVEY

TOTAL ALKALINITY (mg/1)

| STATION | 7/15/75 | 7/17/75 | AVG. | 8/26/75 | 8/28/75 | AVG. |
|---|---|---|---|---|---|---|
| | | AGAWAM RIVER | | | | |
| AG1 | 4.0 | 6.0 | 5.0 | 13 | 7.0 | 10 |
| AG2 | 5.0 | -- | -- | 8.0 | 6.0 | 7.0 |
| AG3 | 6.0 | 6.0 | 6.0 | 8.0 | 6.0 | 7.0 |
| AG4 | 20 | 19 | 20 | 30 | 15 | 22 |
| | | AUCOOT COVE | | | | |
| AC1* | -- | -- | -- | 111 | 110 | 110 |
| ** | 114 | 113 | 114 | 112 | 111 | 112 |
| AC2* | -- | -- | -- | 111 | 110 | 110 |
| ** | 111 | 115 | 113 | 111 | 110 | 110 |
| | | BROAD MARSH RIVER | | | | |
| BM1* | -- | -- | -- | 97 | 96 | 96 |
| ** | 84 | 83 | 84 | 97 | 94 | 96 |
| | | EAST RIVER | | | | |
| ER1* | -- | -- | -- | 107 | 107 | 107 |
| ** | 103 | 103 | 103 | 107 | 101 | 104 |
| | | MATTAPOISETT HARBOR | | | | |
| MH1 | 28 | -- | -- | 42 | 53 | 48 |
| MH2* | -- | -- | -- | 107 | 108 | 108 |
| ** | 76 | 90 | 83 | 103 | 101 | 102 |
| MH3* | -- | -- | -- | 112 | 110 | 111 |
| ** | 108 | 110 | 109 | 105 | 109 | 107 |
| MH4* | -- | -- | -- | 112 | 109 | 110 |
| ** | 113 | 112 | 113 | 112 | 109 | 110 |
| | | MATTAPOISETT RIVER | | | | |
| MA1 | 7.0 | 7.0 | 7.0 | 8.0 | 7.0 | 7.5 |
| MA2 | 5.0 | 9.0 | 7.0 | 12 | 12 | 12 |
| MA3 | 6.0 | 7.0 | 6.5 | 12 | 11 | 12 |

*High tide grab sample
**Low tide grab sample

TABLE 30 (Continued)

| STATION | 7/15/75 | 7/17/75 | AVG. | 8/26/75 | 8/28/75 | AVG. |
|---|---|---|---|---|---|---|
| | | MILLER COVE | | | | |
| MC1 * | -- | -- | -- | 108 | 97 | 102 |
| ** | 104 | 105 | 104 | 107 | 109 | 108 |
| | | PINE ISLAND POND | | | | |
| PI1 * | -- | -- | -- | 113 | 109 | 111 |
| ** | 111 | 112 | 112 | 111 | 109 | 110 |
| PI2 | 3.0 | 5.0 | 4.0 | 12 | 12 | 12 |
| | | SIPPICAN HARBOR | | | | |
| SIH1 * | -- | -- | -- | 107 | 108 | 108 |
| ** | 105 | 107 | 106 | 109 | 105 | 107 |
| SIH2 * | -- | -- | -- | 109 | 106 | 108 |
| ** | 112 | 111 | 112 | 110 | 108 | 109 |
| SIH3 * | -- | -- | -- | 110 | 107 | 108 |
| ** | 112 | 109 | 110 | 109 | 107 | 108 |
| | | SIPPICAN RIVER | | | | |
| SIR1 | 5.0 | 5.0 | 5.0 | 8.0 | 7.0 | 7.5 |
| SIR2 | 6.0 | -- | -- | 8.0 | 8.0 | 8.0 |
| | | WANKINCO RIVER | | | | |
| WO1 | 5.0 | 6.0 | 5.5 | 7.0 | 6.0 | 6.5 |
| WO2 | 5.0 | 6.0 | 5.5 | 8.0 | 7.0 | 7.5 |
| WO3 | 9.0 | 9.0 | 9.0 | 10 | 8.0 | 9.0 |
| | | WAREHAM RIVER | | | | |
| WM1 | 67 | 70 | 68 | 83 | 80 | 82 |
| | | WEWEANTIC RIVER | | | | |
| WE1 | 3.0 | 5.0 | 4.0 | 7.0 | 6.0 | 6.5 |
| WE2 | 4.0 | 5.0 | 4.5 | 8.0 | 8.0 | 8.0 |
| WE3 | 5.0 | 5.0 | 5.0 | 8.0 | 7.0 | 7.5 |
| WE4 * | -- | -- | -- | 87 | 85 | 86 |
| ** | 44 | 44 | 44 | 76 | 66 | 71 |

TABLE 31

BUZZARDS BAY I 1975 SURVEY

TOTAL SOLIDS (mg/1)

| STATION | 7/8/75 | 7/10/75 | AVG. | 8/19/75 | 8/21/75 | AVG. |
|---|---|---|---|---|---|---|
| | | ACUSHNET RIVER | | | | |
| AR1 | 58 | 52 | 55 | 198 | 72 | 135 |
| AR2a | 314 | 232 | 274 | 262 | 292 | 277 |
| AR3 | 104 | 74 | 89 | 90 | 96 | 93 |
| AR3a | 138 | 108 | 123 | 106 | 152 | 129 |
| AR4a | 140 | 122 | 131 | 144 | 182 | 163 |
| AR5 | 84 | 80 | 82 | 84 | 74 | 79 |
| AR6 | 1,100 | 288 | 694 | 366 | 102 | 234 |
| AR7 * | -- | -- | -- | 32,800 | 33,800 | 33,300 |
| ** | 34,100 | 34,200 | 34,150 | 32,300 | 33,200 | 32,750 |
| AR8 * | -- | -- | -- | 32,800 | 33,300 | 33,050 |
| ** | 35,100 | 35,500 | 35,300 | 33,000 | 33,300 | 33,150 |
| | | APPONAGANSETT BAY | | | | |
| AP1 * | -- | -- | -- | 32,600 | 35,200 | 33,900 |
| ** | 36,800 | 40,500 | 38,650 | 34,200 | 34,100 | 34,150 |
| AP2 | 136 | 180 | 158 | 158 | 178 | 168 |
| | | CLARK COVE | | | | |
| CC1 * | -- | -- | -- | 34,400 | 33,700 | 34,050 |
| ** | 37,100 | 37,400 | 37,250 | 33,700 | 34,300 | 34,000 |
| | | NEW BEDFORD HARBOR | | | | |
| NB1 West * | -- | -- | -- | 34,300 | 33,600 | 33,950 |
| ** | 37,500 | 35,500 | 36,500 | 33,100 | 33,800 | 33,450 |
| NB1 East * | -- | -- | -- | 34,300 | 34,800 | 34,550 |
| ** | 38,400 | 36,000 | 37,200 | 33,000 | 33,500 | 33,250 |

* High tide grab sample
** Low tide grab sample

TABLE 31 (Continued)

| STATION | 7/8/75 | 7/10/75 | AVG. | 8/19/75 | 8/21/75 | AVG. |
|---|---|---|---|---|---|---|
| NB2 * | -- | -- | -- | 32,700 | 34,100 | 33,400 |
| ** | 38,800 | 35,800 | 37,300 | 33,100 | 33,200 | 33,150 |
| NB3 * | -- | -- | -- | 35,200 | 33,500 | 33,350 |
| ** | 37,700 | 37,200 | 37,450 | 33,400 | 33,000 | 33,200 |
| NB5 * | -- | -- | -- | 34,200 | 32,800 | 33,500 |
| ** | 35,700 | 37,300 | 36,500 | 33,600 | -- | -- |
| NB5a | 4,300 | 3,300 | 3,800 | 1,000 | 1,600 | 1,300 |
| PASKAMANSET RIVER | | | | | | |
| PA1 | 126 | 112 | 119 | 192 | 214 | 203 |
| PA2 | -- | -- | -- | 148 | 158 | 153 |
| PA3 | 124 | 120 | 122 | 146 | 152 | 149 |
| PA4 | 178 | 236 | 207 | 198 | 186 | 192 |
| ROUND HILL BEACH | | | | | | |
| RH1 * | -- | -- | -- | 35,500 | 32,900 | 34,200 |
| ** | 35,500 | 36,700 | 36,100 | 33,600 | 32,900 | 33,250 |
| SHINGLE ISLAND RIVER | | | | | | |
| SI1 | 94 | 112 | 103 | 104 | 86 | 95 |
| WESTPORT RIVER - EAST BRANCH | | | | | | |
| WPE 1 | 88 | 66 | 77 | 122 | 148 | 135 |
| WPE 2 | 106 | 188 | 147 | 1,400 | 596 | 998 |
| WPE 3 * | -- | -- | -- | 27,100 | 27,500 | 27,300 |
| ** | 21,900 | 23,700 | 22,800 | 23,100 | 25,100 | 24,100 |
| WPE 4 | 138 | 142 | 140 | 154 | 202 | 178 |
| WPE 5 * | -- | -- | -- | 33,300 | 34,500 | 33,900 |
| ** | 33,700 | 34,000 | 33,850 | 35,800 | 34,200 | 35,000 |
| WESTPORT RIVER - WEST BRANCH | | | | | | |
| WPW 1 | 160 | 182 | 171 | 130 | 132 | 131 |

TABLE 32

BUZZARDS BAY II 1975 SURVEY

TOTAL SOLIDS (mg/l)

| STATION | 7/15/75 | 7/17/75 | AVG. | 8/26/75 | 8/28/75 | AVG. |
|---|---|---|---|---|---|---|
| | | | AGAWAM RIVER | | | |
| AG1 | 40 | 42 | 41 | 22 | 34 | 28 |
| AG2 | 36 | -- | -- | 24 | 26 | 25 |
| AG3 | 24 | 56 | 40 | 22 | 36 | 29 |
| AG4 | 3,300 | 2,800 | 3,050 | 6,400 | 2,140 | 4,270 |
| | | | AUCOOT COVE | | | |
| AC1* | -- | -- | -- | 34,400 | 37,700 | 36,050 |
| ** | 36,700 | 35,200 | 35,950 | 35,300 | 35,100 | 35,200 |
| AC2* | -- | -- | -- | 35,400 | 36,800 | 36,100 |
| ** | 35,900 | 33,800 | 34,850 | 35,000 | 36,100 | 35,550 |
| | | | BROAD MARSH RIVER | | | |
| BM1* | -- | -- | -- | 31,700 | 32,700 | 32,200 |
| ** | 27,100 | 25,500 | 26,300 | 32,200 | 32,200 | 32,200 |
| | | | EAST RIVER | | | |
| ER1* | -- -- | -- | -- | 33,800 | 32,900 | 33,350 |
| ** | 31,300 | 31,000 | 31,150 | 31,700 | 32,500 | 32,100 |
| | | | MATTAPOISETT HARBOR | | | |
| MH1 | 124 | -- | -- | 196 | 216 | 206 |
| MH2* | -- | -- | -- | 33,100 | 35,100 | 34,100 |
| ** | 21,900 | 25,900 | 23,900 | 32,600 | 34,100 | 33,350 |
| MH3* | -- | -- | -- | 34,500 | 35,000 | 34,750 |
| ** | 34,700 | 35,000 | 34,850 | 34,600 | 35,500 | 35,050 |
| MH4* | -- | -- | -- | 35,700 | 35,000 | 35,350 |
| ** | 36,200 | 36,100 | 36,150 | 34,700 | 34,700 | 34,700 |
| | | | MATTAPOISETT RIVER | | | |
| MA1 | 64 | 66 | 65 | 54 | 78 | 66 |
| MA2 | 84 | 88 | 86 | 74 | 80 | 77 |
| MA3 | 78 | 84 | 81 | 62 | 76 | 69 |

*High tide grab sample
**Low tide grab sample

TABLE 32 (Continued)

| STATION | 7/15/75 | 7/17/75 | AVG. | 8/26/75 | 8/28/75 | AVG. |
|---|---|---|---|---|---|---|
| | | | MILLER COVE | | | |
| MC1 * | -- | -- | -- | 32,800 | 30,000 | 31,400 |
| ** | 33,000 | 32,100 | 32,550 | 33,200 | 31,000 | 32,100 |
| | | | PINE ISLAND POND | | | |
| PI1 * | -- | -- | -- | 35,500 | 35,300 | 35,400 |
| ** | 36,300 | 33,600 | 34,950 | 34,600 | 35,100 | 34,850 |
| PI2 | 100 | 124 | 112 | 72 | 92 | 82 |
| | | | SIPPICAN HARBOR | | | |
| SIH1 * | -- | -- | -- | 34,700 | 36,100 | 35,400 |
| ** | 32,900 | 34,200 | 33,550 | 35,300 | 35,500 | 35,400 |
| SIH2 * | -- | -- | -- | 35,900 | 38,600 | 37,250 |
| ** | 34,000 | 33,900 | 33,950 | 34,600 | 35,900 | 35,250 |
| SIH3 * | -- | -- | -- | 35,800 | 36,700 | 36,250 |
| ** | 34,500 | 34,700 | 34,600 | 35,400 | 35,700 | 35,100 |
| | | | SIPPICAN RIVER | | | |
| SIR1 | 72 | 92 | 82 | 62 | 78 | 70 |
| SIR2 | 68 | -- | -- | 782 | 92 | 437 |
| | | | WANKINCO RIVER | | | |
| WO1 | 18 | 48 | 33 | 36 | 40 | 38 |
| WO2 | 32 | 52 | 42 | 26 | 48 | 37 |
| WO3 | 448 | 480 | 464 | 932 | 568 | 750 |
| | | | WAREHAM RIVER | | | |
| WM1 | 20,000 | 20,500 | 20,250 | 27,000 | 26,100 | 26,550 |
| | | | WEWEANTIC RIVER | | | |
| WE1 | 56 | 96 | 76 | 64 | 66 | 65 |
| WE2 | 58 | 92 | 75 | 56 | 70 | 63 |
| WE3 | 58 | 74 | 66 | 58 | 74 | 66 |
| WE4 * | -- | -- | -- | 27,400 | 26,800 | 27,100 |
| ** | 11,900 | 11,900 | 11,900 | 23,600 | 21,300 | 22,450 |

TABLE 33

BUZZARDS BAY I 1975 SURVEY

SUSPENDED SOLIDS (mg/l)

| STATION | 7/8/75 | 7/10/75 | AVG. | 8/19/75 | 8/21/75 | AVG. |
|---|---|---|---|---|---|---|
| | | ACUSHNET RIVER | | | | |
| AR1 | 2.5 | 2.0 | 2.2 | 3.0 | 2.5 | 2.8 |
| AR2 a | 34 | 22 | 28 | 30 | 26 | 28 |
| AR3 | 3.5 | 3.5 | 3.5 | 2.5 | 1.5 | 2.0 |
| AR3a | 37 | 12 | 24 | 4.5 | 19 | 12 |
| AR4a | 1.5 | 1.5 | 1.5 | 5.5 | -- | -- |
| AR5 | 2.0 | 2.0 | 2.0 | 2.5 | 2.0 | 2.2 |
| AR6 | 2.0 | 1.5 | 1.8 | 4.0 | 3.5 | 3.8 |
| AR7 * | -- | -- | -- | 2.0 | 2.0 | 2.0 |
| ** | 2.0 | 2.0 | 2.0 | 0.5 | 1.5 | 1.0 |
| AR8 * | -- | -- | -- | 1.5 | 1.5 | 1.5 |
| ** | 1.5 | 2.5 | 2.0 | 2.0 | 1.0 | 1.5 |
| | | APPONAGANSETT BAY | | | | |
| AP1 * | -- | -- | -- | 3.0 | 3.5 | 3.2 |
| ** | 4.0 | 4.5 | 4.2 | 4.0 | 3.5 | 3.8 |
| AP2 | 3.5 | 4.5 | 4.0 | 3.0 | 2.5 | 2.8 |
| | | CLARK COVE | | | | |
| CC1 * | -- | -- | -- | 1.5 | 1.5 | 1.5 |
| ** | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 |
| | | NEW BEDFORD HARBOR | | | | |
| NB1 West * | -- | -- | -- | 3.5 | 3.5 | 3.5 |
| ** | 2.0 | 1.5 | 1.8 | -- | 1.0 | -- |
| NB1 East * | -- | -- | -- | 0.5 | 1.0 | 0.8 |
| ** | 1.5 | 1.5 | 1.5 | 4.5 | 3.0 | 3.8 |

* High tide grab sample
** Low tide grab sample

TABLE 33 (Continued)

| STATION | 7/8/75 | 7/10/75 | AVG. | 8/19/75 | 8/21/75 | AVG. |
|---|---|---|---|---|---|---|
| NB2 * | -- | -- | -- | 1.5 | 1.5 | 1.5 |
| ** | 0.5 | 1.0 | 0.8 | 3.0 | 2.5 | 2.8 |
| NB3 * | -- | -- | -- | 0.5 | 1.0 | 0.8 |
| ** | 1.0 | 2.0 | 1.5 | 6.5 | 1.5 | 4.0 |
| NB5 * | -- | -- | -- | 5.5 | 5.0 | 5.2 |
| ** | 3.5 | 3.0 | 3.2 | 1.5 | -- | -- |
| NB5a | 4.0 | 5.0 | 4.5 | 17 | 7.5 | 12 |
| PASKAMANSET RIVER | | | | | | |
| PA1 | 1.5 | 6.5 | 4.0 | 1.5 | 2.0 | 1.8 |
| PA2 | -- | -- | -- | 10 | 7.0 | 8.0 |
| PA3 | 6.0 | 3.5 | 4.8 | 4.5 | 4.0 | 4.2 |
| PA4 | 2.0 | 2.0 | 2.0 | 2.5 | 2.0 | 2.2 |
| ROUND HILL BEACH | | | | | | |
| RH1 * | -- | -- | -- | 5.5 | 4.5 | 5.0 |
| ** | 2.5 | 3.0 | 2.8 | 3.5 | 3.0 | 3.2 |
| SHINGLE ISLAND RIVER | | | | | | |
| SI1 | 2.0 | 2.0 | 2.0 | 0.5 | 0.5 | 0.5 |
| WESTPORT RIVER - EAST BRANCH | | | | | | |
| WPE 1 | 3.0 | 4.5 | 3.8 | 7.0 | 6.0 | 6.5 |
| WPE 2 | 3.0 | 2.0 | 2.5 | 5.0 | 3.0 | 4.0 |
| WPE 3 * | -- | -- | -- | 6.0 | 5.5 | 5.8 |
| ** | 5.5 | 5.0 | 5.2 | 6.5 | 6.0 | 6.2 |
| WPE 4 | 1.5 | 1.5 | 1.5 | 10 | 2.5 | 6.2 |
| WPE 5 * | -- | -- | -- | 2.0 | 1.5 | 1.8 |
| ** | 4.0 | 3.5 | 3.8 | 3.5 | 2.5 | 3.0 |
| WESTPORT RIVER - WEST BRANCH | | | | | | |
| WPW 1 | 2.0 | 1.5 | 1.8 | 6.5 | 2.0 | 4.2 |

TABLE 34

BUZZARDS BAY II 1975 SURVEY

SUSPENDED SOLIDS (mg/1)

| STATION | 7/15/75 | 7/17/75 | AVG. | 8/26/75 | 8/28/75 | AVG. |
|---|---|---|---|---|---|---|
| | | AGAWAM RIVER | | | | |
| AG1 | 6.0 | 3.0 | 4.5 | 4.5 | 3.0 | 3.8 |
| AG2 | 1.5 | -- | -- | 1.5 | 0.5 | 1.0 |
| AG3 | 1.5 | 1.0 | 1.2 | 1.0 | 4.5 | 2.8 |
| AG4 | 2.5 | 2.0 | 2.2 | 2.0 | 1.5 | 1.8 |
| | | AUCOOT COVE | | | | |
| AC1* | -- | -- | -- | 1.5 | 2.0 | 1.8 |
| ** | 1.0 | 0.5 | 0.8 | 3.0 | 2.0 | 2.5 |
| AC2* | -- | -- | -- | 3.5 | 2.5 | 3.0 |
| ** | 1.0 | 1.0 | 1.0 | 2.5 | 2.5 | 2.5 |
| | | BROAD MARSH RIVER | | | | |
| BM1* | -- | -- | -- | 1.5 | 4.0 | 2.8 |
| ** | 1.0 | 1.0 | 1.0 | 3.0 | 12. | 7.5 |
| | | EAST RIVER | | | | |
| ER1* | -- | -- | -- | 4.0 | 2.5 | 3.2 |
| ** | 1.5 | 1.5 | 1.5 | 5.0 | 5.0 | 5.0 |
| | | MATTAPOISETT HARBOR | | | | |
| MH1 | 2.5 | -- | -- | 22 | 25 | 24 |
| MH2* | -- | -- | -- | 9.0 | 3.5 | 6.2 |
| ** | 3.0 | 3.0 | 3.0 | 14 | 11 | 12 |
| MH3* | -- | -- | -- | 3.5 | 0.5 | 2.0 |
| ** | 2.5 | 2.0 | 2.2 | 1.5 | 2.5 | 2.0 |
| MH4* | -- | -- | -- | 1.5 | 1.5 | 1.5 |
| ** | 5.0 | 1.0 | 3.0 | 1.5 | 2.0 | 1.8 |
| | | MATTAPOISETT RIVER | | | | |
| MA1 | 4.0 | 5.5 | 4.8 | 2.5 | 6.0 | 4.2 |
| MA2 | 1.5 | 1.5 | 1.5 | 0.5 | 3.5 | 2.0 |
| MA3 | 1.0 | 1.0 | 1.0 | 0.5 | 0.5 | 0.5 |

*High tide grab sample
**Low tide grab sample

TABLE 34 (Continued)

| STATION | 7/15/75 | 7/17/75 | AVG. | 8/26/75 | 8/28/75 | AVG. |
|---|---|---|---|---|---|---|
| | | MILLER COVE | | | | |
| MC1 * | -- | -- | -- | 5.0 | 6.5 | 5.8 |
| ** | 2.0 | 9.5 | 5.8 | 4.5 | 3.0 | 3.8 |
| | | PINE ISLAND POND | | | | |
| PI1 * | -- | -- | -- | 1.5 | 2.0 | 1.8 |
| ** | 1.5 | 1.0 | 1.2 | 1.0 | 4.0 | 2.5 |
| PI2 | 6.5 | 10 | 8.2 | 14 | 6.0 | 10 |
| | | SIPPICAN HARBOR | | | | |
| SIH1 * | -- | -- | -- | 7.0 | 7.5 | 7.2 |
| ** | 2.5 | 5.0 | 3.8 | 10 | 8.0 | 9.0 |
| SIH2 * | -- | -- | -- | 9.5 | 6.5 | 8.0 |
| ** | 4.5 | 3.0 | 3.8 | 9.0 | 8.0 | 8.5 |
| SIH3 * | -- | -- | -- | 5.5 | 2.5 | 4.0 |
| ** | 3.0 | 2.0 | 2.5 | 5.0 | 4.0 | 4.5 |
| | | SIPPICAN RIVER | | | | |
| SIR1 | 6.5 | 3.0 | 4.8 | 1.0 | 2.0 | 1.5 |
| SIR2 | 1.5 | -- | -- | 1.0 | 2.0 | 1.5 |
| | | WANKINCO RIVER | | | | |
| WO1 | 0.5 | 0.5 | 0.5 | 0.5 | 1.0 | 0.8 |
| WO2 | 1.0 | 0.5 | 0.8 | 1.5 | 0.5 | 1.0 |
| WO3 | 9.5 | 6.0 | 7.8 | 10 | 2.0 | 6.0 |
| | | WAREHAM RIVER | | | | |
| WM1 | 1.0 | 1.0 | 1.0 | 1.0 | 3.5 | 2.2 |
| | | WEWEANTIC RIVER | | | | |
| WE1 | 1.5 | 2.5 | 2.0 | 2.5 | 2.5 | 2.5 |
| WE2 | 1.0 | 1.5 | 1.2 | 1.0 | 2.0 | 1.5 |
| WE3 | 1.5 | 2.0 | 1.8 | 1.0 | 2.0 | 1.5 |
| WE4 * | -- | -- | -- | 4.5 | 2.5 | 3.5 |
| ** | 3.5 | 5.0 | 4.2 | 7.5 | 2.5 | 5.0 |

TABLE 35

BUZZARDS BAY I 1975 SURVEY

COLIFORM BACTERIA (MPN per 100 ml.)

| STATION | FECAL 7/8/75 | TOTAL 7/8/75 | TOTAL 7/10/75 | GEOM. MEAN | FECAL 8/19/75 | TOTAL 8/19/75 | TOTAL 8/21/75 | GEOM. MEAN. |
|---|---|---|---|---|---|---|---|---|
| | | | ACUSHNET RIVER | | | | | |
| AR1 | <100 | 200 | 80 | 150 | <10 | <10 | 900 | 95 |
| AR2a | 600 | 8,800 | 2,700 | 4,900 | 100 | 6,000 | 22,000 | 11,500 |
| AR3 | 200 | 1,400 | 700 | 4,900 | <10 | 10 | 700 | 84 |
| AR3a | <100 | 600 | 400 | 500 | <10 | 10 | 3,900 | 200 |
| AR4a | 500 | 3,200 | 3,400 | 3,300 | 300 | 600 | 13,000 | 2,800 |
| AR5 | <100 | 600 | 250 | 400 | <10 | 10 | 100 | 32 |
| AR6 | 800 | 6,000 | 40,000 | 15,500 | 200 | 10,000 | 10,000 | 10,000 |
| AR7 * | --- | --- | --- | --- | <10/<10 | 900/100 | 600/100 | 750/100 |
| ** | 3,900/3,000 | 5,800/3,400 | 7,200/1,700 | 6,450/2,400 | <10/10 | 200/400 | 10/70,000 | 45/5,300 |
| AR8 * | --- | --- | --- | --- | 100/<10 | 1,900/<10 | 300/600 | 750/77 |
| ** | TNTC/740 | 8,000/1,800 | 500/1,200 | 1,250/1,450 | <10/100 | 900/1,000 | 200/400 | 400/650 |

*High tide grab sample.
**Low tide grab sample.
Surface/bottom
TNTC - Too numerous to count

TABLE 35 (Continued)

| STATION | FECAL 7/8/75 | TOTAL 7/8/75 | TOTAL 7/10/75 | TOTAL GEOM. MEAN | FECAL 8/19/75 | TOTAL 8/19/75 | TOTAL 8/21/75 | TOTAL GEOM. MEAN |
|---|---|---|---|---|---|---|---|---|
| | | | APPONAGANSETT BAY | | | | | |
| AP1* | --- | --- | --- | --- | <10 | 50 | 1,000 | 200 |
| ** | <100 | 100 | 30 | 55 | 20 | 2,700 | 2,400 | 2,550 |
| AP2 | 200 | 2,000 | 1,500 | 1,750 | 600 | 8,500 | 2,300 | 4,400 |
| | | | CLARK COVE | | | | | |
| CC1* | --- | --- | --- | --- | 600/<10 | 100/<10 | 600/10 | 250/10 |
| ** | 10 | 10 | 700 | 100 | 10/<10 | 600/100 | 10 | 77/--- |
| | | | NEW BEDFORD HARBOR | | | | | |
| NB1 West * | --- | --- | --- | --- | 200/<10 | 1000/100 | 900/300 | 950/200 |
| ** | 200 | 360 | 120/260 | 200/--- | 10 | 600 | 200/10 | 350/--- |
| NB1 East * | --- | --- | --- | --- | <10/<10 | <10/300 | 10/50 | 10/100 |
| ** | 80/110 | 120/160 | 240/250 | 150/200 | <10 | 100 | 10/100 | 32/--- |
| NB2 * | --- | --- | --- | --- | 10/<10 | 100/<10 | <10/10 | 32/10 |
| ** | 10/10 | 10/20 | 700/<10 | 100/14 | <10/<10 | <10/20 | 100/390 | 32/88 |
| NB3 * | --- | --- | --- | --- | <10/<10 | 100/10 | 200/<10 | 150/10 |
| ** | <10/210 | <10/330 | 40/30 | 20/100 | <10/<10 | 10/300 | 500/10 | 70/55 |
| NB5 * | --- | --- | --- | --- | 200/10 | 300/10 | <10/<10 | 55/10 |
| ** | <10/<10 | <10/<10 | 90/40 | 30/20 | <10/<10 | <10/10 | <10/50 | <10/22 |
| NB5a | 140 | 1,800 | 5,200 | 3,050 | 900 | 4,000 | 3,300 | 3,600 |

TABLE 35 (Continued)

| STATION | FECAL 7/8/75 | TOTAL 7/8/75 | TOTAL 7/10/75 | GEOM. MEAN | FECAL 8/19/75 | TOTAL 8/19/75 | TOTAL 8/21/75 | GEOM. MEAN |
|---|---|---|---|---|---|---|---|---|
| | | | PASKAMANSET RIVER | | | | | |
| PA1 | <100 | 300 | 30 | 100 | <10 | 100 | 20 | 45 |
| PA2 | --- | --- | --- | --- | 100 | 1,700 | 1,500 | 1,600 |
| PA3 | 400 | 4,600 | 1,300 | 2,450 | 800 | 1,600 | 2,000 | 1,800 |
| PA4 | <100 | 2,000 | 700 | 1,200 | <10 | 700 | 800 | 750 |
| | | | ROUND HILL BEACH | | | | | |
| RH1* | --- | --- | --- | --- | <10 | 50 | 10 | 22 |
| ** | 10 | 10 | 100 | 32 | 50 | 7,500 | 190 | 1,200 |
| | | | SHINGLE ISLAND RIVER | | | | | |
| SI1 | 700 | 1,600 | 400 | 800 | <10 | 400 | 500 | 450 |
| | | | WESTPORT RIVER - EAST BRANCH | | | | | |
| WPE1 | <100 | 300 | 100 | 200 | <10 | 200 | 100 | 150 |
| WPE2 | 2,100 | 3,800 | 2,900 | 3,300 | 220 | 4,200 | 5,900 | 5,000 |
| WPE3* | --- | --- | --- | --- | <10 | 50 | 300 | 100 |
| ** | 100 | 100 | 200 | 150 | <10 | 100 | 10 | 32 |
| WPE4 | 300 | 1,500 | 400 | 750 | <10 | 300 | 300 | 300 |
| WPE5* | --- | --- | --- | --- | <10 | 100 | 200 | 150 |
| ** | <10 | 10 | 50 | 22 | <10 | 600 | 1,700 | 1,000 |
| | | | WESTPORT RIVER - WEST BRANCH | | | | | |
| WPW1 | 300 | 1,900 | 1,500 | 1,700 | 10 | 200 | 200 | 200 |

TABLE 36

BUZZARDS BAY II 1975 SURVEY

COLIFORM BACTERIA (MPN per 100 ml.)

| STATION | FECAL 7/15/75 | TOTAL 7/15/75 | TOTAL 7/17/75 | TOTAL GEOM. MEAN | FECAL 8/26/75 | TOTAL 8/26/75 | TOTAL 8/28/75 | TOTAL GEOM. MEAN |
|---|---|---|---|---|---|---|---|---|
| | | | AGAWAM RIVER | | | | | |
| AG1 | <10 | 40 | <10 | 20 | 10 | 50 | 80 | 63 |
| AG2 | <10 | 50 | 30 | 39 | 20 | 100 | 10 | 32 |
| AG3 | <10 | 20 | <10 | 14 | <10 | 50 | 30 | 39 |
| AG4 | 20 | 300 | <10 | 55 | 40 | 200 | 4,600 | 950 |
| | | | AUCOOT COVE | | | | | |
| AC1 * | --- | --- | --- | --- | <10/<10 | 90/<10 | 220/<10 | 150/<10 |
| ** | <10/<10 | 10/10 | <10/20 | 10/14 | <10/<10 | <10/<10 | <10/<10 | <10/<10 |
| AC2 * | --- | --- | --- | --- | <10/<10 | <10/<10 | 280/<10 | 53/<10 |
| ** | 10/-- | 10/-- | <10/<10 | 10/-- | <10/<10 | <10/<10 | <10/<10 | 10/<10 |
| | | | BROAD MARSH RIVER | | | | | |
| BM1 * | --- | --- | --- | --- | <10 | <10 | <10 | <10 |
| ** | <10 | 40 | <10 | 20 | <10 | 10 | <10 | 10 |
| | | | EAST RIVER | | | | | |
| ER1 * | --- | --- | --- | --- | <10 | <10 | <10 | <10 |
| ** | 10 | 100 | <10 | 32 | <10 | <10 | 40 | 20 |

*High tide grab sample
**Low tide grab sample
Top/bottom
TNTC - Too numerous to count

TABLE 36 (Continued)

| STATION | FECAL 7/15/75 | 7/15/75 | TOTAL 7/17/75 | GEOM. MEAN | FECAL 8/26/75 | 8/26/75 | TOTAL 8/28/75 | GEOM. MEAN |
|---|---|---|---|---|---|---|---|---|
| | | | MATTAPOISETT HARBOR | | | | | |
| MH1 | 150 | 7,000 | 500 | 1,850 | 320 | 1,700 | 12,000 | 4,500 |
| MH2 * | --- | --- | --- | --- | --- | --- | 10 | --- |
| ** | <10 | 50 | 30 | 39 | <10 | 230 | 20 | 68 |
| MH3 * | --- | --- | --- | --- | <10/<10 | 70/80 | 10/40 | 26/57 |
| ** | <10/<10 | 50/<10 | <10/150 | 22/39 | <10/<10 | <10/<10 | <10/10 | <10/10 |
| MH4 * | --- | --- | --- | --- | <10/<10 | <10/<10 | 400/10 | 63/10 |
| ** | <10/<10 | <10/<10 | 300/130 | 55/36 | <10/<10 | <10/<10 | <10/<10 | <10/<10 |
| | | | MATTAPOISETT RIVER | | | | | |
| MA1 | 20 | 200 | 100 | 150 | 20 | 1,200 | 500 | 800 |
| MA2 | 900 | 2,700 | 100 | 500 | 100 | 380 | 400 | 400 |
| MA3 | 20 | 500 | 50 | 150 | 30 | 500 | 200 | 300 |
| | | | MILLER COVE | | | | | |
| MC1 * | --- | --- | --- | --- | <10 | 10 | <10 | 10 |
| ** | <10 | 70 | <10 | 26 | <10 | 20 | <10 | 14 |
| | | | PINE ISLAND POND | | | | | |
| PI1 * | --- | --- | --- | --- | <10/<10 | <10/<10 | 470/480 | 69/69 |
| ** | 10 | 10 | 10/20 | 10/-- | <10/<10 | <10/10 | <10/<10 | <10/10 |
| PI2 | 300 | 1,100 | 200 | 450 | 110 | 1,400 | 4,100 | 2,400 |

TABLE 36 (Continued)

| STATION | FECAL 7/15/75 | TOTAL 7/15/75 | TOTAL 7/17/75 | GEOM. MEAN | FECAL 8/26/75 | TOTAL 8/26/75 | TOTAL 8/28/75 | GEOM. MEAN |
|---|---|---|---|---|---|---|---|---|
| | | | SIPPICAN HARBOR | | | | | |
| SIH1 * | --- | --- | --- | --- | 10/<10 | 30/20 | 100/<10 | 55/14 |
| ** | <10/<10 | <10/10 | <10/<10 | <10/10 | <10/<10 | <10/<10 | 10/60 | 10/25 |
| SIH2 * | --- | --- | --- | --- | <10/<10 | <10/10 | <10/<10 | <10/10 |
| ** | <10/<10 | 10/40 | 10/<10 | 10/20 | <10/<10 | 100/10 | <10/<10 | 32/10 |
| SIH3 * | --- | --- | --- | --- | <10/<10 | 100/10 | <10/10 | 32/10 |
| ** | 10/-- | 10/-- | <10/<10 | 10/-- | <10/<10 | <10/<10 | 140/<10 | 38/<10 |
| | | | SIPPICAN RIVER | | | | | |
| SIR1 | <10 | 100 | 100 | 100 | 20 | 40 | 200 | 89 |
| SIR2 | 20 | 800 | 300 | 500 | 240 | 1,100 | 300 | 550 |
| | | | WANKINCO RIVER | | | | | |
| WO1 | <10 | 3,500 | 200 | 850 | 30 | 3,000 | 2,800 | 2,900 |
| WO2 | <10 | 100 | <10 | 32 | 60 | 1,000 | 940 | 1,000 |
| WO3 | 20 | 700 | <10 | 84 | 30 | 100 | 250 | 150 |
| | | | WAREHAM RIVER | | | | | |
| WM1 | <10 | 50 | 10 | 22 | 20 | 100 | 150 | 100 |
| | | | WEWEANTIC RIVER | | | | | |
| WE1 | 20 | 400 | 100 | 200 | 10 | 200 | 700 | 350 |
| WE2 | 10 | 400 | 10 | 63 | 10 | 200 | 100 | 150 |
| WE3 | 10 | 300 | 20 | 77 | 20 | 160 | 1,500 | 500 |
| WE4 * | --- | --- | --- | --- | <10 | 20 | 20 | 20 |
| ** | 10 | 60 | <10 | 25 | <10 | 10 | 10 | 10 |

TABLE 37

BUZZARDS BAY I 1975 SURVEY

CHLORIDES (mg/l)

| STATION | 7/8/75 | 7/10/75 | AVG. | 8/19/75 | 8/21/75 | AVG. |
|---|---|---|---|---|---|---|
| | | ACUSHNET RIVER | | | | |
| AR1 | 8.0 | 9.0 | 8.5 | 12 | 11 | 12 |
| AR2a | 21 | 19 | 20 | 26 | 27 | 26 |
| AR3 | 20 | 14 | 17 | 17 | 16 | 16 |
| AR3a | 13 | 9.0 | 11 | 12 | 15 | 14 |
| AR4a | 47 | 26 | 36 | 31 | 28 | 30 |
| AR5 | 20 | 15 | 18 | 15 | 15 | 15 |
| AR6 | 391 | 90 | 240 | 190 | 1,020 | 600 |
| AR7 * | --- | --- | --- | 17,500 | 17,000 | 17,250 |
| ** | 14,900 | 15,100 | 15,000 | 18,000 | 15,750 | 16,875 |
| AR8 * | --- | --- | --- | 18,000 | 17,500 | 17,750 |
| ** | 15,100 | 15,600 | 15,350 | 17,250 | 16,750 | 17,000 |
| | | APPONAGANSETT BAY | | | | |
| AP1 * | --- | --- | --- | 17,750 | 18,000 | 18,000 |
| ** | 15,800 | 15,800 | 15,800 | 18,250 | 20,250 | 19,250 |
| AP2 | 22 | 21 | 22 | 26 | 26 | 26 |
| | | CLARK COVE | | | | |
| CC1 * | --- | --- | --- | 18,250 | 17,500 | 17,875 |
| ** | 16,000 | 15,800 | 15,900 | 18,000 | 17,500 | 17,750 |
| | | NEW BEDFORD HARBOR | | | | |
| NB1 West * | --- | --- | --- | 17,750 | 17,500 | 17,625 |
| ** | 15,100 | 15,600 | 15,600 | 18,250 | 17,250 | 17,750 |
| NB1 East * | --- | --- | --- | 18,000 | 17,750 | 17,875 |
| ** | 15,600 | 15,600 | 15,600 | 18,250 | 17,500 | 17,875 |

* High tide grab sample
** Low tide grab sample

TABLE 37 (Continued)

| STATION | 7/8/75 | 7/10/75 | AVG. | 8/19/75 | 8/21/75 | AVG. |
|---|---|---|---|---|---|---|
| NB2 * | --- | --- | --- | 17,750 | 17,750 | 17,750 |
| ** | 16,000 | 15,800 | 15,900 | 18,000 | 17,750 | 17,875 |
| NB3 * | --- | --- | --- | 18,000 | 17,250 | 17,875 |
| ** | 15,800 | 15,800 | 15,800 | 17,500 | 17,500 | 17,500 |
| NB5 * | --- | --- | --- | 17,750 | 17,500 | 17,625 |
| ** | 15,800 | 16,000 | 15,900 | 18,250 | --- | --- |
| NB5a | 1,800 | 1,280 | 1,540 | 470 | 660 | 565 |
| | | PASKAMANSET RIVER | | | | |
| PA1 | 18 | 15 | 16 | 20 | 16 | 18 |
| PA2 | --- | --- | --- | 24 | 24 | 24 |
| PA3 | 22 | 22 | 22 | 26 | 22 | 24 |
| PA4 | 21 | 20 | 20 | 24 | 25 | 24 |
| | | ROUND HILL BEACH | | | | |
| RH1 * | --- | --- | --- | 18,000 | 18,250 | 18,125 |
| ** | 15,800 | 16,000 | 15,900 | 18,000 | 17,750 | 17,875 |
| | | SHINGLE ISLAND RIVER | | | | |
| SI1 | 7.0 | 6.0 | 6.5 | 10 | 8.0 | 9.0 |
| | | WESTPORT RIVER - EAST BRANCH | | | | |
| WPE 1 | 18 | 8.0 | 13 | 15 | 14 | 14 |
| WPE 2 | 19 | 21 | 20 | 710 | 250 | 480 |
| WPE 3 * | --- | --- | --- | 14,500 | 15,750 | 15,125 |
| ** | 8,600 | 10.500 | 9,550 | 14,750 | 13,250 | 14,000 |
| WPE 4 | 48 | 61 | 54 | 39 | 44 | 42 |
| WPE 5 * | --- | --- | --- | 18,000 | 18,000 | 18,000 |
| ** | 14,900 | 15,300 | 15,100 | 17,500 | 18,250 | 17,875 |
| | | WESTPORT RIVER - WEST BRANCH | | | | |
| WPW 1 | 13 | 12 | 12 | 20 | 20 | 20 |

TABLE 38

BUZZARDS BAY II 1975 SURVEY

CHLORIDES (mg/l)

| STATION | 7/15/75 | 7/17/75 | AVG. | 8/26/75 | 8/28/75 | AVG. |
|---|---|---|---|---|---|---|
| | | | AGAWAM RIVER | | | |
| AG1 | 10 | 7.0 | 8.5 | 8.0 | 8.0 | 8.0 |
| AG2 | 6.0 | -- | -- | 9.0 | 8.0 | 8.5 |
| AG3 | 7.0 | 8.0 | 7.5 | 8.0 | 7.0 | 7.5 |
| AG4 | 1,550 | 1,350 | 1,450 | 3,500 | 1,250 | 2,375 |
| | | | AUCOOT COVE | | | |
| AC1* | -- | -- | -- | 17,250 | 17,500 | 17,375 |
| ** | 17,500 | 17,500 | 17,500 | 17,000 | 17,500 | 17,250 |
| AC2* | -- | -- | -- | 17,250 | 17,250 | 17,250 |
| ** | 17,000 | 17,500 | 17,250 | 17,250 | 17,500 | 17,375 |
| | | | BROAD MARSH RIVER | | | |
| BM1* | -- | -- | -- | 15,750 | 15,500 | 15,625 |
| ** | 13,000 | 11,750 | 12,375 | 15,750 | 15,500 | 15,625 |
| | | | EAST RIVER | | | |
| ER1* | -- | -- | -- | 16,750 | 17,000 | 16,875 |
| ** | 15,500 | 15,250 | 15,375 | 16,000 | 16,000 | 16,000 |
| | | | MATTAPOISETT HARBOR | | | |
| MH1 | 20 | -- | -- | 41 | 30 | 36 |
| MH2* | -- | -- | -- | 17,250 | 17,750 | 17,500 |
| ** | 10,750 | 13,500 | 12,125 | 16,750 | 16,750 | 16,750 |
| MH3* | -- | -- | -- | 17,250 | 17,250 | 17,250 |
| ** | 16,500 | 17,250 | 16,875 | 17,250 | 17,250 | 17,250 |
| MH4* | -- | -- | -- | 17,500 | 17,500 | 17,500 |
| ** | 17,250 | 18,000 | 17,625 | 17,500 | 17,250 | 17,375 |
| | | | MATTAPOISETT RIVER | | | |
| MA1 | 5.0 | 5.0 | 5.0 | 7.0 | 7.0 | 7.0 |
| MA2 | 11 | 12 | 12 | 12 | 15 | 14 |
| MA3 | 11 | 11 | 11 | 10 | 13 | 12 |

*High tide grab sample
**Low tide grab sample

TABLE 38 (Continued)

| STATION | 7/15/75 | 7/17/75 | AVG. | 8/26/75 | 8/28/75 | AVG. |
|---|---|---|---|---|---|---|
| | | | MILLER COVE | | | |
| MC1 * | -- | -- | -- | 16,750 | 15,500 | 16,125 |
| ** | 16,250 | 16,000 | 16,125 | 16,500 | 15,750 | 16,125 |
| | | | PINE ISLAND POND | | | |
| PI1 * | -- | -- | -- | 17,500 | 17,500 | 17,500 |
| ** | 17,250 | 17,000 | 17,125 | 17,000 | 17,250 | 17,125 |
| PI2 | 13 | 14 | 14 | 15 | 12 | 14 |
| | | | SIPPICAN HARBOR | | | |
| SIH1 * | -- | -- | -- | 17,250 | 17,250 | 17,250 |
| ** | 16,250 | 16,750 | 16,500 | 17,000 | 17,500 | 17,250 |
| SIH2 * | -- | -- | -- | 17,250 | 17,250 | 17,250 |
| ** | 17,000 | 17,000 | 17,000 | 17,250 | 17,500 | 17,375 |
| SIH3 * | -- | -- | -- | 17,500 | 17,750 | 17,625 |
| ** | 17,250 | 16,750 | 17,000 | 17,750 | 17,750 | 17,750 |
| | | | SIPPICAN RIVER | | | |
| SIR1 | 15 | 13 | 14 | 13 | 13 | 13 |
| SIR2 | 10 | -- | -- | 11 | 11 | 11 |
| | | | WANKINCO RIVER | | | |
| WO1 | 7.0 | 7.0 | 7.0 | 7.0 | 10 | 8.5 |
| WO2 | 8.0 | 7.0 | 7.5 | 7.0 | 7.0 | 7.0 |
| WO3 | 230 | 300 | 265 | 400 | 325 | 362 |
| | | | WAREHAM RIVER | | | |
| WM1 | 9,800 | 9,800 | 9,800 | 13,250 | 13,000 | 13,125 |
| | | | WEWEANTIC RIVER | | | |
| WE1 | 9.0 | 8.0 | 8.5 | 9.0 | 10 | 9.5 |
| WE2 | 10 | 12 | 11 | 9.0 | 11 | 10 |
| WE3 | 10 | 9.0 | 9.5 | 11 | 12 | 12 |
| WE4 * | -- | -- | -- | 13,250 | 13,750 | 13,500 |
| ** | 5,750 | 6,000 | 5,875 | 11,750 | 10,750 | 11,250 |

TABLE 39

BUZZARDS BAY I 1975 SURVEY

COLOR (Standard Units)

| STATION | 7/8/75 | 7/10/75 | AVG. | 8/19/75 | 8/21/75 | AVG. |
|---|---|---|---|---|---|---|
| | | ACUSHNET RIVER | | | | |
| AR1 | 150 | 160 | 155 | 175 | 150 | 162 |
| AR2 a | 150 | 90 | 120 | 90 | 125 | 108 |
| AR3 | 150 | 100 | 125 | 100 | 90 | 95 |
| AR3a | 200 | 150 | 175 | 225 | 300 | 262 |
| AR4a | 35 | 35 | 35 | 120 | 165 | 142 |
| AR5 | 90 | 140 | 115 | 120 | 100 | 110 |
| AR6 | 100 | 100 | 100 | 90 | 100 | 95 |
| AR7 * | -- | -- | -- | 10 | 15 | 12 |
| ** | 25 | 30 | 28 | 15 | 15 | 15 |
| AR8 * | -- | -- | -- | 15 | 15 | 15 |
| ** | 15 | 20 | 18 | 15 | 20 | 18 |
| | | APPONAGANSETT BAY | | | | |
| AP1 * | -- | -- | -- | 30 | 25 | 28 |
| ** | 25 | 30 | 28 | 25 | 25 | 25 |
| AP2 | 35 | 40 | 38 | 30 | 25 | 28 |
| | | CLARK COVE | | | | |
| CC1 * | -- | -- | -- | 15 | 15 | 15 |
| ** | 10 | 15 | 12 | 20 | 15 | 18 |
| | | NEW BEDFORD HARBOR | | | | |
| NB1 West * | -- | -- | -- | 15 | 20 | 18 |
| ** | 20 | 15 | 18 | 25 | 20 | 22 |
| NB1 East * | -- | -- | -- | 20 | 20 | 20 |
| ** | 12 | 15 | 14 | 15 | 20 | 18 |

* High tide grab sample
** Low tide grab sample

TABLE 39 (Continued)

| STATION | 7/8/75 | 7/10/75 | AVG. | 8/19/75 | 8/21/75 | AVG. |
|---|---|---|---|---|---|---|
| NB2 * | -- | -- | -- | 15 | 15 | 15 |
| ** | 10 | 15 | 12 | 10 | 15 | 12 |
| NB3 * | -- | -- | -- | 15 | 15 | 15 |
| ** | 8 | 10 | 9 | 15 | 15 | 15 |
| NB5 * | -- | -- | -- | 20 | 15 | 18 |
| ** | 10 | 10 | 10 | 15 | -- | -- |
| NB5a | 10 | 20 | 15 | 10 | 20 | 15 |
| PASKAMANSET RIVER | | | | | | |
| PA1 | 350 | 450 | 400 | 500 | 500 | 500 |
| PA2 | -- | -- | -- | 450 | 450 | 450 |
| PA3 | 300 | 350 | 325 | 350 | 300 | 325 |
| PA4 | 200 | 175 | 188 | 300 | 250 | 275 |
| ROUND HILL BEACH | | | | | | |
| RH1 * | -- | -- | -- | 10 | 15 | 12 |
| ** | 10 | 10 | 10 | 10 | 15 | 12 |
| SHINGLE ISLAND RIVER | | | | | | |
| SI1 | 100 | 90 | 95 | 80 | 80 | 80 |
| WESTPORT RIVER - EAST BRANCH | | | | | | |
| WPE 1 | 150 | 225 | 188 | 160 | 200 | 180 |
| WPE 2 | 150 | 100 | 125 | 140 | 150 | 145 |
| WPE 3 * | -- | -- | -- | 60 | 60 | 60 |
| ** | 45 | 75 | 60 | 60 | 75 | 68 |
| WPE 4 | 100 | 140 | 120 | 250 | 200 | 225 |
| WPE 5 * | -- | -- | -- | 10 | 10 | 10 |
| ** | 20 | 15 | 18 | 25 | 15 | 20 |
| WESTPORT RIVER - WEST BRANCH | | | | | | |
| WPW 1 | 150 | 350 | 250 | 250 | 180 | 215 |

TABLE 40

BUZZARDS BAY II 1975 SURVEY

COLOR (Standard Units)

| STATION | 7/15/75 | 7/17/75 | AVG. | 8/26/75 | 8/28/75 | AVG. |
|---|---|---|---|---|---|---|
| | | AGAWAM RIVER | | | | |
| AG1 | 25 | 20 | 22 | 10 | 10 | 10 |
| AG2 | 20 | -- | -- | 15 | 10 | 12 |
| AG3 | 35 | 35 | 35 | 20 | 20 | 20 |
| AG4 | 35 | 40 | 38 | 15 | 15 | 15 |
| | | AUCOOT COVE | | | | |
| AC1* | -- | -- | -- | 5 | 5 | 5 |
| ** | 10 | 10 | 10 | 5 | 5 | 5 |
| AC2* | -- | -- | -- | 5 | 5 | 5 |
| ** | 15 | 15 | 15 | 5 | 5 | 5 |
| | | BROAD MARSH RIVER | | | | |
| BM1* | -- | -- | -- | 10 | 15 | 12 |
| ** | 15 | 25 | 20 | 10 | 20 | 15 |
| | | EAST RIVER | | | | |
| ER1* | -- | -- | -- | 10 | 10 | 10 |
| ** | 15 | 15 | 15 | 10 | 15 | 12 |
| | | MATTAPOISETT HARBOR | | | | |
| MH1 | 125 | -- | -- | 50 | 50 | 50 |
| MH2* | -- | -- | -- | 10 | 10 | 10 |
| ** | 125 | 125 | 125 | 25 | 25 | 25 |
| MH3* | -- | -- | -- | 5 | 5 | 5 |
| ** | 10 | 10 | 10 | 5 | 5 | 5 |
| MH4* | -- | -- | -- | 5 | 5 | 5 |
| ** | 10 | 15 | 12 | 5 | 5 | 5 |
| | | MATTAPOISETT RIVER | | | | |
| MA1 | 150 | 100 | 125 | 50 | 50 | 50 |
| MA2 | 225 | 175 | 200 | 70 | 70 | 70 |
| MA3 | 175 | 175 | 175 | 65 | 60 | 62 |

*High tide grab sample
**Low tide grab sample

TABLE 40 (Continued)

| STATION | 7/15/75 | 7/17/75 | AVG. | 8/26/75 | 8/28/75 | AVG. |
|---|---|---|---|---|---|---|
| | | MILLER COVE | | | | |
| MC1 * | -- | -- | -- | 10 | 15 | 12 |
| ** | 15 | 20 | 18 | 10 | 10 | 10 |
| | | PINE ISLAND POND | | | | |
| PI1 * | -- | -- | -- | 5 | 5 | 5 |
| ** | 10 | 10 | 10 | 5 | 5 | 5 |
| PI2 | 250 | 250 | 250 | 90 | 70 | 80 |
| | | SIPPICAN HARBOR | | | | |
| SIH1 * | -- | -- | -- | 10 | 10 | 10 |
| ** | 20 | 25 | 22 | 15 | 15 | 15 |
| SIH2 * | -- | -- | -- | 10 | 5 | 8 |
| ** | 15 | 20 | 18 | 15 | 5 | 10 |
| SIH3 * | -- | -- | -- | 10 | 10 | 10 |
| ** | 10 | 10 | 10 | 5 | 5 | 5 |
| | | SIPPICAN RIVER | | | | |
| SIR1 | 250 | 250 | 250 | 90 | 110 | 100 |
| SIR2 | 250 | -- | -- | 90 | 90 | 90 |
| | | WANKINCO RIVER | | | | |
| WO1 | 35 | 30 | 32 | 20 | 15 | 18 |
| WO2 | 30 | 35 | 32 | 20 | 20 | 20 |
| WO3 | 70 | 70 | 70 | 30 | 30 | 30 |
| | | WAREHAM RIVER | | | | |
| WM1 | 40 | 35 | 38 | 10 | 15 | 12 |
| | | WEWEANTIC RIVER | | | | |
| WE1 | 225 | 300 | 262 | 160 | 160 | 160 |
| WE2 | 225 | 250 | 238 | 110 | 110 | 110 |
| WE3 | 175 | 175 | 175 | 120 | 120 | 120 |
| WE4 * | -- | -- | -- | 20 | 20 | 20 |
| ** | 125 | 125 | 125 | 35 | 35 | 35 |

TABLE 41

BUZZARDS BAY I 1975 SURVEY

IRON (mg/l)

| STATION | 7/8/75 | 7/10/75 | AVG. | 8/19/75 | 8/21/75 | AVG. |
|---|---|---|---|---|---|---|
| | | ACUSHNET RIVER | | | | |
| AR1 | 1.2 | 1.3 | 1.2 | 1.5 | -- | -- |
| AR2 a | 1.0 | 0.90 | 0.95 | 0.50 | -- | -- |
| AR3 | 0.50 | 0.50 | 0.50 | 0.55 | -- | -- |
| AR3a | 0.70 | 0.65 | 0.68 | 1.5 | -- | -- |
| AR4a | 0.35 | 0.32 | 0.34 | 0.70 | -- | -- |
| AR5 | 0.70 | 0.68 | 0.69 | 0.80 | -- | -- |
| AR6 | 0.70 | 0.63 | 0.66 | 0.80 | -- | -- |
| AR7 * | -- | -- | -- | 0.20 | -- | -- |
| ** | -- | -- | -- | 0.20 | -- | -- |
| AR8 * | -- | -- | -- | 0.17 | -- | -- |
| ** | -- | -- | -- | 0.20 | -- | -- |
| | | APPONAGANSETT BAY | | | | |
| AP1 * | -- | -- | -- | 0.20 | -- | -- |
| ** | -- | -- | -- | 0.20 | -- | -- |
| AP2 | 0.20 | 0.25 | 0.22 | 0.03 | -- | -- |
| | | CLARK COVE | | | | |
| CC1 * | -- | -- | -- | 0.20 | -- | -- |
| ** | -- | -- | -- | 0.20 | -- | -- |
| | | NEW BEDFORD HARBOR | | | | |
| NB1 West * | -- | -- | -- | 0.20 | -- | -- |
| ** | -- | -- | -- | 0.24 | -- | -- |
| NB1 East * | -- | -- | -- | 0.20 | -- | -- |
| ** | -- | -- | -- | 0.20 | -- | -- |

* High tide grab sample
** Low tide grab sample

TABLE 41 (Continued)

| STATION | 7/8/75 | 7/10/75 | AVG. | 8/19/75 | 8/21/75 | AVG. |
|---|---|---|---|---|---|---|
| NB2 * | -- | -- | -- | 0.15 | -- | -- |
| ** | -- | -- | -- | 0.20 | -- | -- |
| NB3 * | -- | -- | -- | 0.20 | -- | -- |
| ** | -- | -- | -- | 0.20 | -- | -- |
| NB5 * | -- | -- | -- | 0.15 | -- | -- |
| ** | -- | -- | -- | 0.15 | -- | -- |
| NB5a | 0.15 | 0.35 | 0.25 | 0.06 | -- | -- |
| PASKAMANSET RIVER | | | | | | |
| PA1 | 2.0 | 2.0 | 2.0 | -- | -- | -- |
| PA2 | -- | -- | -- | -- | -- | -- |
| PA3 | 2.0 | 2.2 | 2.1 | -- | -- | -- |
| PA4 | 1.8 | 1.7 | 1.8 | -- | -- | -- |
| ROUND HILL BEACH | | | | | | |
| RH1 * | -- | -- | -- | -- | -- | -- |
| ** | -- | -- | -- | -- | -- | -- |
| SHINGLE ISLAND RIVER | | | | | | |
| SI1 | 0.45 | 0.40 | 0.42 | -- | -- | -- |
| WESTPORT RIVER - EAST BRANCH | | | | | | |
| WPE 1 | 1.4 | 1.8 | 1.6 | -- | -- | -- |
| WPE 2 | 1.2 | 1.4 | 1.3 | -- | -- | -- |
| WPE 3 * | -- | -- | -- | -- | -- | -- |
| ** | -- | -- | -- | -- | -- | -- |
| WPE 4 | 0.50 | 0.50 | 0.50 | -- | -- | -- |
| WPE 5 * | -- | -- | -- | -- | -- | -- |
| ** | -- | -- | -- | -- | -- | -- |
| WESTPORT RIVER - WEST BRANCH | | | | | | |
| WPW 1 | 1.0 | 1.0 | 1.0 | -- | -- | -- |

TABLE 42

BUZZARDS BAY I 1975 SURVEY

MANGANESE (mg/1)

| STATION | 7/8/75 | 7/10/75 | AVG. | 8/19/75 | 8/21/75 | AVG. |
|---|---|---|---|---|---|---|
| | | ACUSHNET RIVER | | | | |
| AR1 | 0.18 | 0.21 | 0.20 | 0.15 | -- | -- |
| AR2[a] | 0.17 | 0.24 | 0.20 | 0.15 | -- | -- |
| AR3 | 0.17 | 0.05 | 0.11 | 0.15 | -- | -- |
| AR3a | 0.08 | 0.02 | 0.05 | 0.20 | -- | -- |
| AR4a | 0.37 | 0.28 | 0.32 | 0.70 | -- | -- |
| AR5 | 0.17 | 0.11 | 0.14 | 0.15 | -- | -- |
| AR6 | 0.17 | 0.11 | 0.14 | 0.15 | -- | -- |
| AR7 * | -- | -- | -- | 0.05 | -- | -- |
| ** | -- | -- | -- | 0.05 | -- | -- |
| AR8 * | -- | -- | -- | 0.05 | -- | -- |
| ** | -- | -- | -- | 0.05 | -- | -- |
| | | APPONAGANSETT BAY | | | | |
| AP1 * | -- | -- | -- | 0.18 | -- | -- |
| ** | -- | -- | -- | 0.09 | -- | -- |
| AP2 | 0.05 | 0.08 | 0.06 | 0.06 | -- | -- |
| | | CLARK COVE | | | | |
| CC1 * | -- | -- | -- | 0.05 | -- | -- |
| ** | -- | -- | -- | 0.05 | -- | -- |
| | | NEW BEDFORD HARBOR | | | | |
| NB1 West * | -- | -- | -- | 0.06 | -- | -- |
| ** | -- | -- | -- | 0.15 | -- | -- |
| NB1 East * | -- | -- | -- | 0.05 | -- | -- |
| ** | -- | -- | -- | 0.05 | -- | -- |

* High tide grab sample
** Low tide grab sample

TABLE 42 (Continued)

| STATION | 7/8/75 | 7/10/75 | AVG. | 8/19/75 | 8/21/75 | AVG. |
|---|---|---|---|---|---|---|
| NB2 * | -- | -- | -- | 0.05 | -- | -- |
| ** | -- | -- | -- | 0.05 | -- | -- |
| NB3 * | -- | -- | -- | 0.05 | -- | -- |
| ** | -- | -- | -- | 0.05 | -- | -- |
| NB5 * | -- | -- | -- | 0.05 | -- | -- |
| ** | -- | -- | -- | 0.05 | -- | -- |
| NB5a | 0.07 | 0.17 | 0.12 | 0.05 | -- | -- |
| PASKAMANSET RIVER | | | | | | |
| PA1 | 0.17 | 0.12 | 0.14 | -- | -- | -- |
| PA2 | -- | -- | -- | -- | -- | -- |
| PA3 | 0.12 | 0.14 | 0.13 | -- | -- | -- |
| PA4 | 0.07 | 0.07 | 0.07 | -- | -- | -- |
| ROUND HILL BEACH | | | | | | |
| RH1 * | -- | -- | -- | -- | -- | -- |
| ** | -- | -- | -- | -- | -- | -- |
| SHINGLE ISLAND RIVER | | | | | | |
| SI1 | 0.07 | 0.07 | 0.07 | -- | -- | -- |
| WESTPORT RIVER - EAST BRANCH | | | | | | |
| WPE 1 | 0.17 | 0.17 | 0.17 | -- | -- | -- |
| WPE 2 | 0.08 | 0.09 | 0.08 | -- | -- | -- |
| WPE 3 * | -- | -- | -- | -- | -- | -- |
| ** | -- | -- | -- | -- | -- | -- |
| WPE 4 | 0.05 | 0.05 | 0.05 | -- | -- | -- |
| WPE 5 * | -- | -- | -- | -- | -- | -- |
| ** | -- | -- | -- | -- | -- | -- |
| WESTPORT RIVER - WEST BRANCH | | | | | | |
| WPW 1 | 0.05 | 0.05 | 0.05 | -- | -- | -- |

TABLE 43

BUZZARDS BAY II 1975 SURVEY

IRON AND MANGANESE (mg/l)

| STATION | IRON 7/15/75 | IRON 7/17/75 | IRON AVG. | MANGANESE 7/15/75 | MANGANESE 7/17/75 | MANGANESE AVG. |
|---|---|---|---|---|---|---|
| | | | AGAWAM RIVER | | | |
| AG1 | 0.24 | 0.15 | 0.20 | 0.05 | 0.04 | 0.04 |
| AG2 | 0.26 | --- | --- | 0.05 | --- | --- |
| AG3 | 0.51 | 0.47 | 0.49 | 0.08 | 0.07 | 0.08 |
| AG4 | 0.52 | 0.47 | 0.50 | 0.17 | 0.10 | 0.14 |
| | | | MATTAPOISETT HARBOR | | | |
| MH1 | 8.3 | --- | --- | 0.23 | --- | --- |
| MH2 | --- | --- | --- | --- | --- | --- |
| MH3 | --- | --- | --- | --- | --- | --- |
| MH4 | --- | --- | --- | --- | --- | --- |
| | | | MATTAPOISETT RIVER | | | |
| MA1 | 2.0 | 2.0 | 2.0 | 0.15 | 0.10 | 0.12 |
| MA2 | 1.4 | 1.2 | 1.3 | 0.10 | 0.06 | 0.08 |
| MA3 | 1.1 | 1.0 | 1.0 | 0.07 | 0.04 | 0.06 |
| | | | PINE ISLAND POND | | | |
| PI1 | --- | --- | --- | --- | --- | --- |
| PI2 | 1.2 | 1.0 | 1.1 | 0.23 | 0.10 | 0.16 |
| | | | SIPPICAN RIVER | | | |
| SIR1 | 3.0 | 2.9 | 3.0 | 0.15 | 0.10 | 0.12 |
| SIR2 | 1.7 | --- | --- | 0.12 | --- | --- |
| | | | WANKINCO RIVER | | | |
| WO1 | 0.74 | 0.58 | 0.66 | 0.08 | 0.04 | 0.06 |
| WO2 | 0.65 | 0.58 | 0.62 | 0.09 | 0.04 | 0.06 |
| WO3 | 1.2 | 0.85 | 1.02 | 0.13 | 0.12 | 0.12 |
| | | | WAREHAM RIVER | | | |
| WM1 | 0.47 | 0.25 | 0.36 | 0.16 | 0.10 | 0.13 |

TABLE 43 (Continued)

| STATION | IRON 7/15/75 | IRON 7/17/75 | IRON AVG. | MANGANESE 7/15/75 | MANGANESE 7/17/75 | MANGANESE AVG. |
|---|---|---|---|---|---|---|
| | | | WEWEANTIC RIVER | | | |
| WE1 | 2.6 | 3.5 | 3.0 | 0.17 | 0.10 | 0.14 |
| WE2 | 2.7 | 2.9 | 2.8 | 0.18 | 0.08 | 0.13 |
| WE3 | 2.9 | 2.7 | 2.8 | 0.10 | 0.07 | 0.08 |
| WE4 | --- | --- | --- | --- | --- | --- |

TABLE 44

BUZZARDS BAY I AND II SURVEYS

HEAVY METALS (mg/l)

| STATION | CHROMIUM | LEAD | MERCURY[1] | NICKEL | ZINC |
|---|---|---|---|---|---|
| | | 8/19/75 | | | |
| | | ACUSHNET RIVER | | | |
| AR1 | 0.00 | 0.00 | 0.12 | 0.00 | 0.03 |
| AR2a | 0.00 | 0.05 | 0.33 | 0.00 | 0.03 |
| AR3 | 0.00 | 0.05 | 0.03 | 0.00 | 0.04 |
| AR3a | 0.00 | 0.00 | 0.06 | 0.00 | 0.02 |
| AR4a | 0.00 | 0.02 | 0.01 | 0.00 | 0.10 |
| AR5 | 0.00 | 0.04 | 0.10 | 0.00 | 0.02 |
| AR6 | 0.00 | 0.04 | 0.03 | 0.00 | 0.02 |
| AR7 * | 0.03 | 0.35 | 0.55 | 0.15 | 0.05 |
| ** | 0.05 | 0.35 | 0.17 | 0.15 | 0.05 |
| AR8 * | 0.02 | 0.35 | 0.64 | 0.15 | 0.04 |
| ** | 0.04 | 0.35 | 0.26 | 0.15 | 0.05 |
| | | APPONAGANSETT BAY | | | |
| AP1 * | 0.05 | 0.40 | 0.29 | 0.15 | 0.05 |
| ** | 0.05 | 0.35 | 0.11 | 0.15 | 0.03 |
| AP2 | 0.00 | 0.04 | 0.07 | 0.00 | 0.03 |
| | | CLARK COVE | | | |
| CC1 * | 0.05 | 0.35 | 0.28 | 0.15 | 0.05 |
| ** | 0.05 | 0.35 | 0.42 | 0.15 | 0.03 |
| | | NEW BEDFORD HARBOR | | | |
| NB1 West * | 0.05 | 0.35 | 0.14 | 0.15 | 0.05 |
| ** | 0.05 | 0.40 | 0.98 | 0.15 | 0.05 |
| NB1 East * | 0.05 | 0.35 | 0.51 | 0.15 | 0.05 |
| ** | 0.05 | 0.35 | 0.33 | 0.15 | 0.05 |

*High tide grab sample
**Low tide grab sample

[1]Mercury is reported in ug/l

TABLE 44 (Continued)

| STATION | CHROMIUM | LEAD | MERCURY | NICKEL | ZINC |
|---|---|---|---|---|---|
| NB2 * | 0.05 | 0.35 | 0.30 | 0.15 | 0.03 |
| ** | 0.05 | 0.35 | 0.25 | 0.15 | 0.03 |
| NB3 * | 0.05 | 0.35 | 0.55 | 0.15 | 0.02 |
| ** | 0.05 | 0.35 | 0.08 | 0.15 | 0.03 |
| NB5 * | 0.05 | 0.35 | 0.19 | 0.15 | 0.03 |
| ** | 0.05 | 0.35 | 0.10 | 0.15 | 0.03 |
| NB5a | 0.00 | 0.05 | 0.07 | 0.00 | 0.02 |

SIPPICAN HARBOR

MERCURY (ug/1)

| STATION | 7/15/75 | 7/17/75 | 8/26/75 | 8/28/75 |
|---|---|---|---|---|
| SIH1 * | --- | --- | 0.10 | 0.10 |
| ** | 0.07 | 0.15 | 0.10 | 0.17 |
| SIH3 * | --- | --- | 0.10 | 0.10 |
| ** | 0.02 | 0.12 | 0.10 | 0.10 |

TABLE 45

SEDIMENT ANALYSIS

HEAVY METAL CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM

| STATION | DATE SAMPLED | T.V.S.(%)[1] | IRON | MANGANESE | LEAD | ZINC | NICKEL | CHROMIUM | MERCURY |
|---|---|---|---|---|---|---|---|---|---|
| AR1 | 9/16/75 | 0.44 | 9,900 | 160 | 10 | 55 | 6.0 | 5.0 | 0.01 |
| AR3 | 9/16/75 | 6.1 | 10,000 | 280 | 45 | 150 | 8.0 | 8.0 | 0.33 |
| AR3a | 9/16/75 | 0.43 | 5,500 | 100 | 58 | 250 | 10 | 5.0 | 0.55 |
| AR4a | 9/16/75 | 10.8 | 25,800 | 1,340 | 130 | 210 | 10 | 10 | 0.45 |
| AR5 | 9/16/75 | 8.0 | 9,800 | 390 | 49 | 138 | 6.9 | 6.9 | 0.26 |
| AR6 | 9/16/75 | 1.8 | 16,700 | 176 | 147 | 118 | 18 | 27 | 0.12 |
| AP1 | 9/16/75 | 0.67 | 9,500 | 120 | 9.5 | 67 | 5.7 | 9.5 | 0.06 |
| AP2 | 9/16/75 | 0.08 | 11,900 | 380 | 30 | 89 | 0.00 | 6.9 | 0.12 |
| NB5a | 9/16/75 | 1.3 | 3,400 | 24 | 9.7 | 42 | 0.00 | 4.9 | 0.26 |
| AR7 | 10/7/75 | 16.3 | 730 | 180 | 180 | 920 | 220 | 625 | 1.82 |
| AR8 | 10/7/75 | 4.7 | 10,500 | 74 | 105 | 265 | 35 | 225 | 0.69 |
| NB1 West | 10/7/75 | 3.4 | 14,000 | 125 | 76 | 19 | 155 | 165 | 0.49 |
| NB3 | 10/7/75 | 18.7 | 1,250 | 160 | 105 | 725 | 42 | 355 | 2.07 |
| NB5 | 10/7/75 | 0.6 | 155 | 34 | 0.0 | 7.7 | 3.1 | 43 | 0.07 |
| CC1 | 10/7/75 | 0.6 | 110 | 26 | 0.0 | 35 | 0.0 | 0.0 | 0.09 |

[1]Percent on dry weight basis.

Note: Station AR2a was dry.
Stations NB1 East and NB2 had rocky bottoms, Petersen dredge unable to bite.

TABLE 46

BUZZARDS BAY I

MICROSCOPIC ANALYSIS

AREAL STANDARD UNITS per ml.

JULY 8, 1975

| ORGANISM | STATION | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AR1 | AR2a | AR3 | AR3a | AR4a | AR5 | AR6 | AR7 | AR8 | NB1W | NB1E | PA1 |
| ALGAE | | | | | | | | | | | | |
| Bacillariophyceae (Diatoms) | -- | -- | -- | 45 | -- | -- | -- | -- | -- | -- | -- | 110 |
| Cyanophyceae (Blue-Green) | -- | 66 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Chlorophyceae (Green) | 206 | 22 | -- | 775 | -- | -- | 10 | -- | -- | -- | -- | -- |
| PROTOZOA | | | | | | | | | | | | |
| Sarcodina (Amoeboid) | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mastigophora (Flagellates) | | | | | | | | | | | | |
| Pigmented | -- | 22 | -- | 20 | -- | -- | -- | -- | 5 | -- | 404 | -- |
| Non-pigmented | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Infusoria (Ciliates) | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AMORPHOUS MATTER | 10,106 | 9,776 | 3,450 | 16,500 | 2,675 | 12,458 | 2,750 | 5,375 | 4,125 | 3,491 | 8,453 | 8,710 |
| ROTIFERA* | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| CRUSTACEA* | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

*Number of organisms only
Samples from tidal stations were collected at low tide.

TABLE 46 (Continued)

AREAL STANDARD UNITS per ml.

| ORGANISM | STATION | | | | | | |
|---|---|---|---|---|---|---|---|
| | PA3 | PA4 | SI1 | WPE1 | WPE2 | WPE3 | WPW1 |
| ALGAE | | | | | | | |
| Bacillariophyceae (Diatoms) | 10 | -- | -- | -- | -- | -- | -- |
| Cyanophyceae (Blue-Green) | -- | 10 | -- | -- | -- | -- | -- |
| Chlorophyceae (Green) | -- | -- | -- | -- | -- | -- | -- |
| PROTOZOA | | | | | | | |
| Sarcodina (Amoeboid) | -- | -- | -- | -- | -- | -- | -- |
| Mastigophora (Flagellates) | | | | | | | |
| Pigmented | 10 | -- | 5 | -- | -- | -- | -- |
| Non-pigmented | 35 | 5 | -- | 74 | 125 | -- | -- |
| Infusoria (Ciliates) | -- | -- | -- | -- | -- | -- | -- |
| AMORPHOUS MATTER | 4,375 | 5,625 | 5,125 | 3,969 | 5,990 | 11,750 | 2,925 |
| ROTIFERA* | -- | -- | -- | -- | -- | -- | -- |
| CRUSTACEA* | -- | -- | -- | -- | -- | -- | -- |

*Number of organisms only

TABLE 47

BUZZARDS BAY II

MICROSCOPIC ANALYSIS

AREAL STANDARD UNITS per ml.

JULY 15-17, 1975

| ORGANISM | STATION | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AG1 | AG2 | AG3 | AG4 | AC1 | MH1 | MH2 | MH3 | MH4 | MA2 | MA3 | PI1 |
| ALGAE | | | | | | | | | | | | |
| Bacillariophyceae (Diatoms) | 37 | 30 | -- | -- | 5 | -- | -- | -- | -- | -- | -- | -- |
| Cyanophyceae (Blue-Green) | -- | 5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Chlorophyceae (Green) | 37 | 18 | 29 | -- | 5 | 44 | -- | -- | 7 | -- | -- | -- |
| PROTOZOA | | | | | | | | | | | | |
| Sarcodina (Amoeboid) | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mastigophora (Flagellates) | | | | | | | | | | | | |
| Pigmented | -- | 120 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Non-pigmented | -- | 25 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Infusoria (Ciliates) | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AMORPHOUS MATTER | 3,344 | 2,175 | 3,014 | 4,400 | 5,625 | 8,930 | 10,000 | 1,764 | 2,352 | 2,600 | 2,050 | 5,625 |
| ROTIFERA* | 1 | 1 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| CRUSTACEA* | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

*Number of organisms only

Samples from tidal stations were collected at low tide.

TABLE 47 (Continued)

AREAL STANDARD UNITS per ml.

| ORGANISM | STATION | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | PI2 | SIH1 | SIH2 | SIH3 | SIR1 | SIR2 | WO1 | WO2 | WO3 | WM1 | WE1 | WE2 | WE3 |
| ALGAE | | | | | | | | | | | | | |
| Bacillariophyceae (Diatoms) | 20 | 29 | 3 | 44 | -- | -- | 2 | 2 | -- | 29 | 8 | -- | -- |
| Cyanophyceae (Blue-Green) | -- | -- | -- | -- | -- | -- | -- | -- | 801 | -- | -- | 15 | -- |
| Chlorophyceae (Green) | -- | 81 | 5 | -- | 33 | -- | 400 | -- | 209 | 22 | 300 | -- | -- |
| PROTOZOA | | | | | | | | | | | | | |
| Sarcodina (Amoeboid) | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mastigophora (Flagellates) | | | | | | | | | | | | | |
| Pigmented | -- | -- | -- | -- | -- | -- | -- | -- | 37 | -- | -- | 3 | -- |
| Non-pigmented | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Infusoria (Ciliates) | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AMORPHOUS MATTER | 9,325 | 5,549 | 5,000 | 3,271 | 1,650 | 2,500 | 7,175 | 1,475 | 4,079 | 4,190 | 8,000 | 3,000 | 6,250 |
| ROTIFERA* | -- | -- | -- | -- | -- | -- | -- | -- | 1 | -- | -- | -- | 1 |
| CRUSTACEA* | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

*Number of organisms only

TABLE 48

BUZZARDS BAY I 1975 SURVEY

SUMMARY OF FLOW DATA

| LOCATION | DISCHARGE (cfs) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 7/7 | 7/8 | 7/9 | 7/10 | 7/11 | 8/18 | 8/19 | 8/20 | 8/21 | 8/22 |
| ACUSHNET RIVER at: | | | | | | | | | | |
| Outlet N.B. Reservoir | -- | -- | 2.16 | -- | -- | -- | -- | 0.82 | -- | -- |
| Hamlin Road | -- | -- | 5.45 | -- | -- | -- | -- | 2.02 | -- | -- |
| Outlet Sawmill Pond | -- | -- | -- | 4.67 | -- | -- | -- | -- | 0.72 | -- |
| Unnamed brook at White's Dairy | -- | -- | 0.25 | -- | -- | -- | -- | <0.02* | -- | -- |
| Unnamed brook at Coury Heights | -- | + | -- | -- | -- | -- | -- | + | -- | -- |
| Unnamed brook from Acushnet Dump | -- | -- | -- | -- | -- | -- | -- | 0.01* | -- | -- |
| Drainage ditch from Atlas Tach Co. lagoon | 0.01* | -- | -- | -- | -- | -- | -- | 0.02* | -- | -- |
| PASKAMANSETT RIVER at: | | | | | | | | | | |
| Outlet Turner Pond | -- | 1.58 | -- | -- | -- | -- | -- | 2.29 | -- | -- |
| Route 6 | -- | -- | -- | -- | -- | -- | -- | -- | 2.45 | -- |
| Russells Mills Road | -- | 3.41 | -- | 3.40 | -- | -- | 2.65 | -- | -- | -- |
| SHINGLE ISLAND RIVER at | | | | | | | | | | |
| Pine Island Road | -- | -- | 1.35 | -- | -- | -- | -- | -- | 0.51 | -- |

*Estimated. +No apparent flow.

TABLE 48 (Continued)

| LOCATION | DISCHARGE (cfs) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 7/7 | 7/8 | 7/9 | 7/10 | 7/11 | 8/18 | 8/19 | 8/20 | 8/21 | 8/22 |
| WESTPORT RIVER, EAST BRANCH at: | | | | | | | | | | |
| Outlet, Noquochoke Lake | -- | 4.60 | -- | -- | -- | -- | 3.2 | -- | -- | -- |
| Outlet, Forge Pond | -- | -- | 6.20 | -- | -- | -- | 3.66 | -- | -- | -- |
| Bread & Cheese Brook | -- | -- | 2.35 | -- | -- | -- | 0.86 | -- | -- | -- |
| Unnamed tributary below Forge Pond | -- | -- | 0.20 | -- | -- | -- | + | -- | -- | -- |
| Tributary from Westport Dump | 0.25* | -- | -- | -- | -- | -- | <0.1* | -- | -- | -- |
| WESTPORT RIVER, WEST BRANCH at: | | | | | | | | | | |
| USGS Gage, Adamsville, R.I. (average daily flow) | 2.8 | 2.6 | 2.6 | 2.4 | 2.4 | 0.64 | 0.51 | 0.43 | 0.38 | 0.38 |

TABLE 49

BUZZARDS BAY II 1975 SURVEY

SUMMARY OF FLOW DATA

| LOCATION | DISCHARGE (cfs) 7/15 | 7/16 | 7/17 | 8/27 | 8/28 | 8/29 |
|---|---|---|---|---|---|---|
| AGAWAM RIVER at: | | | | | | |
| Outlet, Halfway Pond | 12.07 | -- | -- | -- | 9.90 | -- |
| Maple Park | 3.55 | -- | 3.20 | -- | -- | -- |
| WANKINCO RIVER at: | | | | | | |
| Outlet of pond below regional landfill | 5.96 | -- | 4.96 | 5.55 | -- | 5.52 |
| Main Street | 21.1 | -- | 15.70 | -- | -- | 13.26 |
| WEWEANTIC RIVER at: | | | | | | |
| Rochester Road | -- | -- | 37.9 | -- | -- | 13.65 |
| Route 28 | -- | 59.4 | 59.4 | -- | 21.4 | -- |
| Squire Island Road | -- | 54.0 | -- | -- | 21.9 | 23.2 |
| SIPPICAN RIVER at: | | | | | | |
| Pierceville Road | -- | -- | -- | 1.02 | -- | 1.00 |
| MATTAPOISETT RIVER at: | | | | | | |
| Snipatuit Road | -- | -- | -- | <0.1* | -- | -- |
| Wolf Island Road | -- | -- | -- | -- | -- | -- |
| Acushnet Road | -- | 7.87 | -- | 3.48 | -- | 3.33 |

*Estimated.

TABLE 49 (Continued)

| LOCATION | DISCHARGE (cfs) 7/15 | 7/16 | 7/17 | 8/27 | 8/28 | 8/29 |
|---|---|---|---|---|---|---|
| Unnamed brook to Pine Island Pond | -- | -- | <0.5* | <0.1* | -- | -- |
| Unnamed brook to Mattapoisett Harbor | -- | -- | 0.5* | <0.1* | -- | -- |

## MEASURES OF WATER POLLUTION

The term "water pollution" has acquired many connotations. Literally, the word pollute means "render impure;" thus, in this sense, any water containing matter other than its chemical constituents of two parts hydrogen to one part oxygen would be considered polluted. Such "pure" water, however, is never found in natural bodies; the ecological balance in a waterbody is dependent on the presence of other material. In this report, water pollution refers to a condition which is in contravention of the Water Quality Standards. Pollution degrades the physical, chemical, and bacterial quality of a waterbody and can make it unsightly, malodorous, and a health hazard, its uses sharply limited. Pollution occurs mainly through the discharge of wastes from homes and industries. The various types of pollution are: (1) oxygen-demanding, such as originates from domestic sewage and certain industrial wastes, (2) toxic materials as in some industrial wastes, (3) radioactive (4) thermal, (5) bacterial, (6) oil, and (7) physical. Stormwater runoff from both urban and rural areas can also add pollutants to a waterbody.

The extent of pollution in a particular waterbody is determined by measuring certain chemical and biological constituents and properties. Chemical constituents, such as dissolved oxygen, phosphates, and metals, are generally measured in milligrams per liter (mg/l); since the unit weight of water is 1.0 grams per milliliter, milligrams per liter are roughly equivalent to parts per million for a solution which is mostly water.

Dissolved Oxygen (D.O.) refers to the uncombined oxygen in water which is available to aquatic life. Since this oxygen is consumed more rapidly in the decomposition of wastes, the D.O. gives an instantaneous picture of the condition of a waterbody. Time of day and temperature of the water are important in interpreting D.O. levels. Temperature affects the amount of oxygen which water can contain. Time of day is related to the effects of algae. Algae consume oxygen through respiration throughout the day and night. During daylight hours, they add oxygen through photosynthesis. D.O. levels are therefore generally highest during the afternoon and lowest just before sunrise.

Biochemical Oxygen Demand (B.O.D.) measures the amount of oxygen required by bacteria to decompose organic matter. The B.O.D. is gradually exerted, consisting of two stages. In the first stage, carbonaceous matter is stabilized while nitrogenous substances are broken down in the second stage. The second stage (nitrification) usually begins after seven days. The ultimate, or total, B.O.D. from both stages may require an incubation period of 30 days or more. Through recurrent use, the 5 day B.O.D. has become the standard test used in water quality analysis.

Chemical Oxygen Demand (C.O.D.) refers to the amount of oxygen required to chemically oxidize waste material. Since some of the organic matter in a waste cannot be decomposed by microorganisms but can be broken down by chemical oxidation, the C.O.D. is generally greater than the B.O.D. The C.O.D. is especially useful in analyzing a waste that contains a great deal of non-biodegradable matter.

Total Solids measures all solids in water including suspended and dissolved, organic and inorganic. They are measured by evaporating the water from a sample of known volume and weighing the residue remaining. The residue then can be ignited in a laboratory furnace to determine the organic portion. the loss on ignition is considered organic and the remaining residue, known as fixed solids, is considered to be inorganic.

Suspended Solids are those which can be removed by passing the water through a filter. The remaining solids are called dissolved solids. Suspended solids provide a good measure of the efficiency of a sewage treatment plant; primary treatment should remove about 50 percent of the suspended solids while secondary treatment should remove about 90 percent.

Coliform Bacteria are found in abundance in the intestinal tract of warm-blooded animals. They are not harmful in themselves, but their presence indicates that pathogenic bacteria also may be present. Since they can be detected by relatively simple test procedures, coliforms are used to indicate the extent of bacterial pollution from sewage. Bacterial tests usually measure the fecal coli and the total coli. Fecal coli make up about 90 percent of the coliforms discharged in fecal matter. Non-fecal coli may originate in soil, grain, or decaying vegetation.

pH measures the hydrogen ion concentration on an inverse logarithmic scale ranging from 0 to 14. pH values under 7 indicate more hydrogen ions and therefore more acidic solutions; pH values over 7 indicate less hydrogen ions and therefore more alkaline solutions. A pH of 7 indicates a neutral solution. Alkalinity is a quantitative measure of the alkaline materials present while acidity is a quantitative measure of acidic materials.

Nutrients are compounds which act as fertilizers for aquatic organisms. Small amounts are necessary to the ecological balance of a waterbody but excessive amounts can upset the balance by causing excessive growths of algae and other aquatic plants. Sewage discharged to a waterbody usually contains large amounts of carbon, nitrogen, and phosphorus. The concentration of carbonaceous matter is reflected in the B.O.D. test. Additional tests are run to determine the concentrations of nitrogen and phosphorus.

Phosphorus appears in waterbodies in combined forms known as ortho-and poly-phosphates and organic phosphorus. The majority of the phosphorus contained in domestic sewage and industrial wastes comes from detergents. Additional phosphorus may enter a waterbody in agricultural runoff where fertilizers are used.

Nitrogen in the form of organic nitrogen decomposes into ammonia nitrogen, nitrite nitrogen and nitrate nitrogen. Since each decomposition reaction is dependent on the preceding one, the progress of decomposition can be determined in terms of the relative amounts of these four forms of nitrogen.

Ammonia Nitrogen is present in sewage and is also generated from the decomposition of organic nitrogen. It can also be formed when nitrites and nitrates are reduced. Ammonia is particularly important since it has high oxygen and chemical demands and is also toxic to fish.

Nitrite Nitrogen is the oxidation product of ammonia. It has a fairly low oxygen demand and is rapidly coverted to nitrate. The presence of nitrite nitrogen usually indicates that active decomposition is taking place.

Nitrate Nitrogen is important since it is the end product in the aerobic decomposition of nitrogenous matter. Nitrogen in this form is readily available to plants.

Turbidity is the measure of the clarity of a water sample. It is expressed in Jackson Standard Units which are related to the scattering and absorption of light by the water sample.

Color is determined by visual comparison of a sample with known concentrations of colored solution and is expressed in standard units of color. Certain waste discharges may turn water to colors which cannot be defined by this method; in such cases, the color is expressed qualitatively rather than numerically.

Specific Conductance yields a measure of a water sample's capacity to convey an electric current. It is dependent on temperature and the concentration of ionized substances in the water. Distilled water exhibits specific conductance of 0.5 to 2.0 micromhos per centimeter while natural waters show values from 50 to 500 micromhos per centimeter.

The above parameters are measured in most water quality surveys. Other constituents such as metals or radioactivity are measured in areas where particular problems are known to exist. Microscopic examinations are conducted on most surveys to measure the amount of algae and other microorganisms present. Additional samples of the river bottom are usually collected in order to determine the types of deposits present. Decomposition of organic suspended matter which settles to the bottom will exert an oxygen demand on the water.

Two types of samples are collected for analysis: grab and composite. A grab sample is an instantaneous sample collected to show conditions at a particular time. Composite samples are collected over a period of time at specific intervals, giving a better picture of the overall water quality situation for the time covered.

Certain levels of the above parameters occur naturally in waterbodies. Since these levels vary among the different ponds, streams, and coastal waters, the following tables are presented for the sake of reference. Table B summarizes the numerical limits for certain paramters as specified by the Massachusetts Water Quality Standards. Table C lists levels found in unpolluted reaches of various Massachusetts waters.

TABLE B

SPECIFIED LEVELS OF CERTAIN PARAMETERS

MASSACHUSETTS WATER QUALITY STANDARDS REVISED 1974

| | DISSOLVED OXYGEN | pH | COLIFORM BACTERIA | CHEMICAL CONSTITUENTS |
|---|---|---|---|---|
| Class A | Not less than 75% of saturation for 16 hours of any 24 hour period and never less than 5 mg/1. For cold water streams the D.O. shall not be less than 6 mg/1. For seasonal cold water the D.O. shall not be less than 6 mg/1 for the season. | As naturally occurs | Not to exceed an average of 50 per 100 ml for any monthly period. | None in concentrations or combinations which would be harmful or offensive to humans, or harmful to anima or aquatic life. |
| Class B | Same as Above | 6.5 - 8.0 | Not to exceed an average value of 1000 during any monthly sampling period nor 2400 in more than 20% of samples examined during such period. | None in concentrations or combinations which would be harmful or offensive to humans, or harmful to animal or aquatic life, or any water use specifically assigned to this class. |
| Class B1 | Not less than 5 mg/1 during at least 16 hours of any 24 hour period, nor less than 3 mg/1 at any time. For seasonal cold water fisheries at least 6 mg/1 must be maintained during the season. | 6.5 - 8.0 | Same as Above | Same as Above |
| Class C | Same as Above | 6.0 - 8.5 | None in such concentrations that would impair any usages specifically assigned to this class.* | Same as Above |
| Class C1 | Not less than 2 mg/1 at any time. | 6.0 - 8.5 | Same as Above | Same as Above |

TABLE B (CONTINUED)

| | DISSOLVED OXYGEN | pH | COLIFORM BACTERIA | CHEMICAL CONSTITUENTS |
|---|---|---|---|---|
| Class SA | Not less than 6.5 mg/l. | 6.8 - 8.5 | Not to exceed a median value of 70 and not more than 10% of samples over 230. | None in concentrations or combinations which would be harmful to human, animal, or aquatic life or which would make the waters unsafe or unsuitable for fish or shellfish or their propagation, impair the palatability of same, or impair the waters for any other uses. |
| Class SB | Not less than 5.0 mg/l. | 6.8 - 8.5 | Not to exceed a median value of 700 and not more than 10% of samples over 2300. | Same as Above |
| Class SC | Not less than 5 mg/l during at least 16 hours of any 24 hour period and never less than 3 mg/l. | 6.5 - 8.5 | None in concentrations that would impair any usages assigned to this class.* | Same as Above |



* No bacteria limit has been placed on this class because of urban runoff and combined sewer problems which have not yet been solved. In waters of this class not subject to this problem the standard shall be less than an average of 5,000 coliform bacteria/100 ml during any monthly sampling period.

TABLE C

SELECTED ANALYSES OF UNPOLLUTED WATERS

| | LAKE QUINSIGAMOND WORCESTER | SWIFT RIVER BELOW QUABBIN RESERVOIR | PARKER RIVER BYFIELD | CHARLES RIVER HOPKINTON |
|---|---|---|---|---|
| Dissolved Oxygen, mg/l | 11.2-12.5 | 7.4-9.2 | 7.2-8.4 | 6.2-7.4 |
| 5-Day B.O.D., mg/l | 0.8 | 1.8 | 1.9 | 0.7 |
| Suspended Solids, mg/l | 1.5 | 5 | 4 | 0 |
| pH | 6.7 | 6.5 | 7.6 | 6.4 |
| Alkalinity, mg/l | 18 | 8 | 37 | 8 |
| Total Coliform per 100 ml. | 28 | 1300 | 300 | 170 |
| Fecal Coliform per 100 ml. | 5 | 14 | -- | -- |
| Color, Std. Units | 28 | 25 | 68 | 35 |
| Turbidity, Std. Units | 2 | 4 | 2 | 2 |
| Ammonia as N., mg/l | 0.04 | 0.10 | 0.04 | 0.0 |
| Nitrite as N., mg/l | -- | 0.000 | 0.006 | 0.0 |
| Nitrate as N., mg/l | -- | 0.0 | 0.1 | 0.0 |
| Total Phosphorus as P, mg/l | 0.04 | 0.07 | 0.16 | 0.03 |