

BUZZARDS BAY ^{BBP}

PART C

1975

Another of the ~~re~~ reports in

The wastewater discharge
water quality surveys

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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	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 & wild- life propagation, fishing, shellfishing	Same	SA	SA
Westport River, West Branch, Westport	Bathing, recreational boating, fish & wild- life propagation, fishing, shellfishing	Same	SA	SA
Nasketucket Bay, Fairhaven, Mattapoissett	Bathing, recreational boating, fish & wild- life propagation, fishing, shellfishing	Same	SA	SA
10 Mattapoissett Harbor, Mattapoissett	Bathing, recreational boating, fish & wild- life propagation, fishing, shellfishing	Bathing, recreational boating, fish & wild- life propagation, fishing, shellfishing	SA ¹	SA
Mattapoissett River, Mattapoissett, Rochester	Bathing, recreational boating, fish & wild- life propagation, fishing, irrigation	Same	B	B
Aucoot Cove, Mattapoissett, Marion	Bathing, recreational boating, fish & wild- life propagation, fishing	Bathing, recreational boating, fish & wild- life propagation, fishing, shellfishing	SA ²	SA

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

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

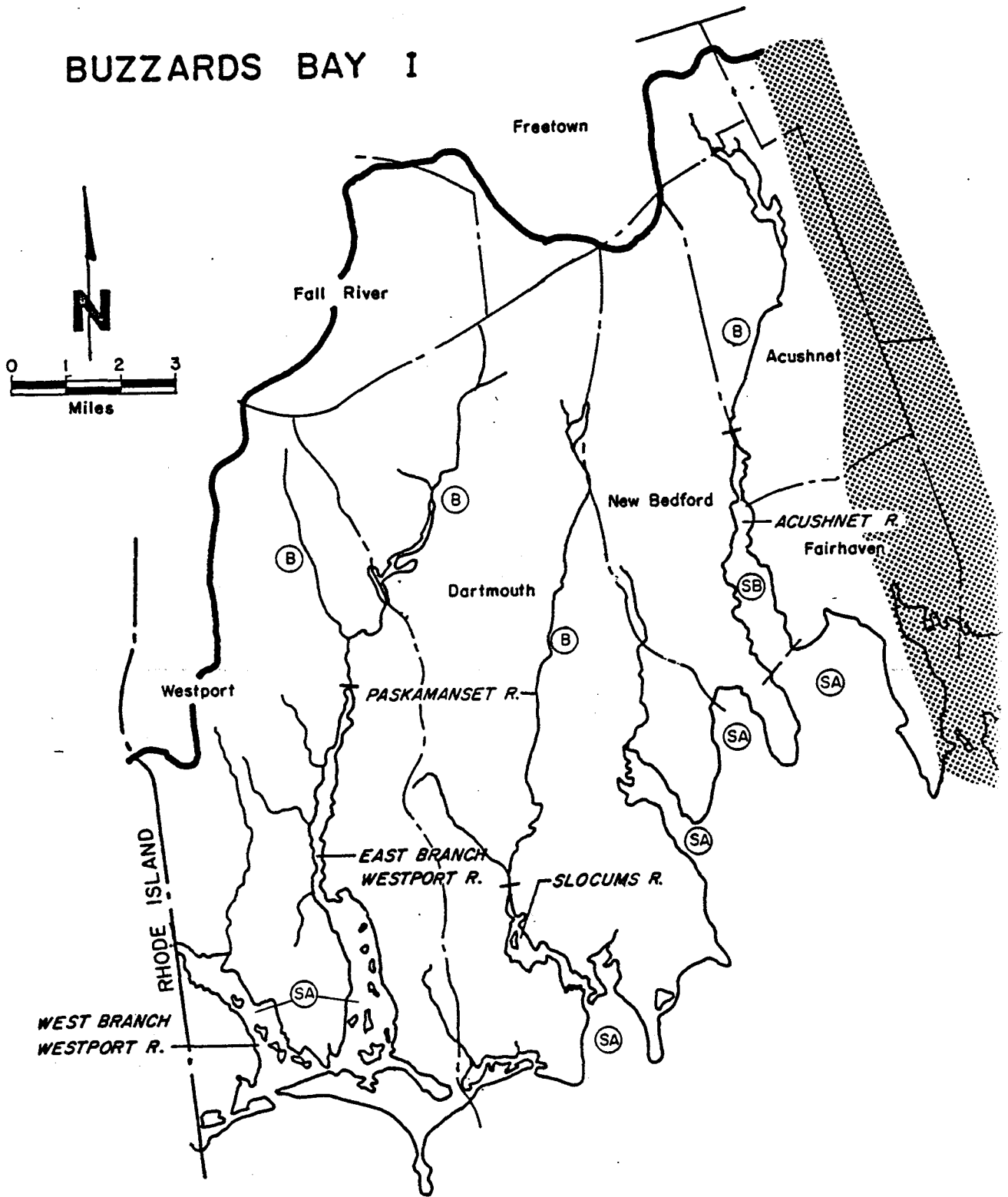
TABLE A (Continued)

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

TABLE A (Continued)

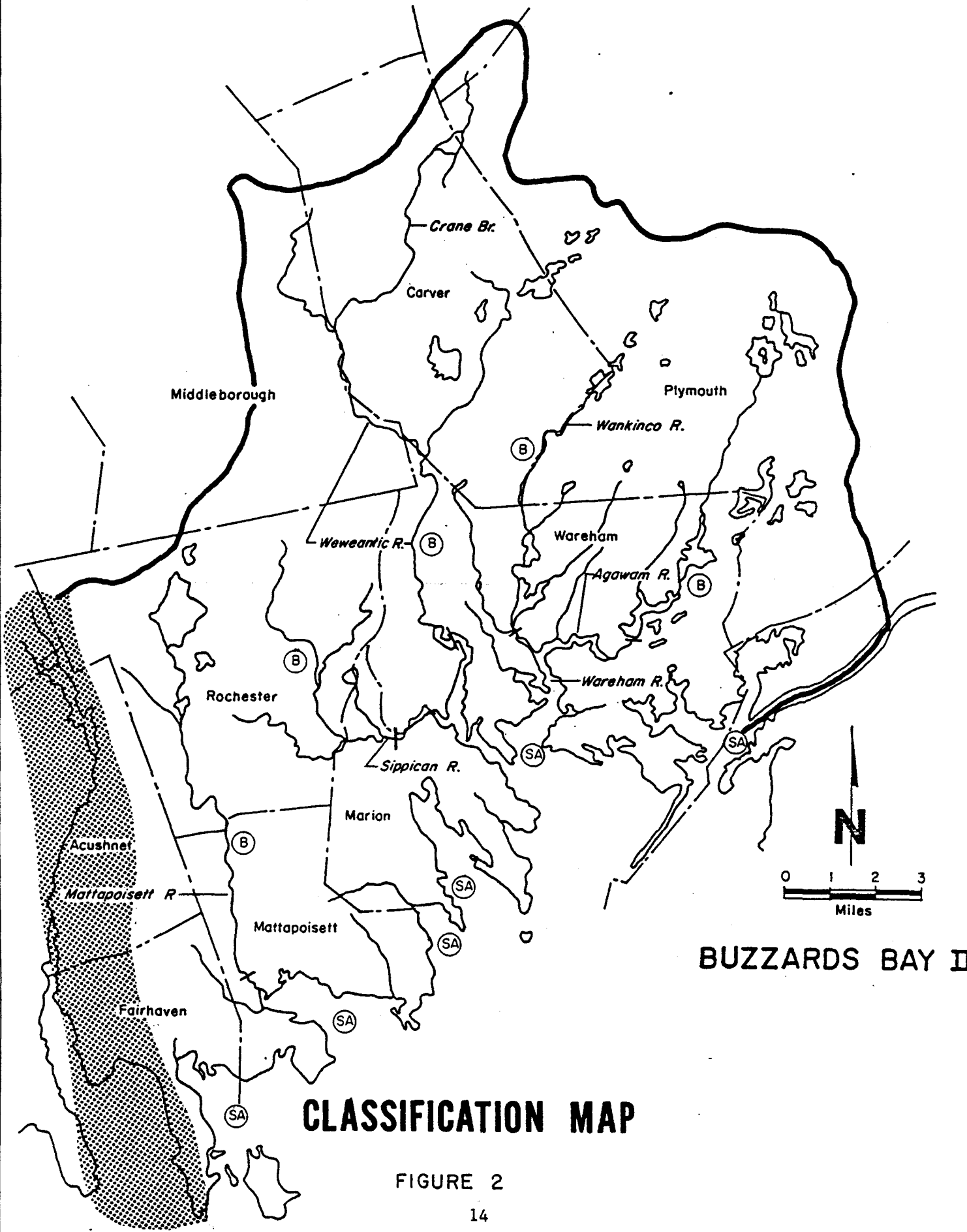
<u>BOUNDARY</u>	<u>PRESENT USE</u>	<u>ANTICIPATED FUTURE USE</u>	<u>PRESENT CONDITION</u>	<u>CLASSIFICATION</u>
Wareham River, Wareham	Bathing, recreational boating, fish & wild- life propagation, fishing, shellfishing, assimilation	Same	SB	SB
Onset Bay, Wareham	Bathing, recreational boating, fish &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

BUZZARDS BAY I



CLASSIFICATION MAP

FIGURE I



BUZZARDS BAY II

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, Mattapoissett, 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.

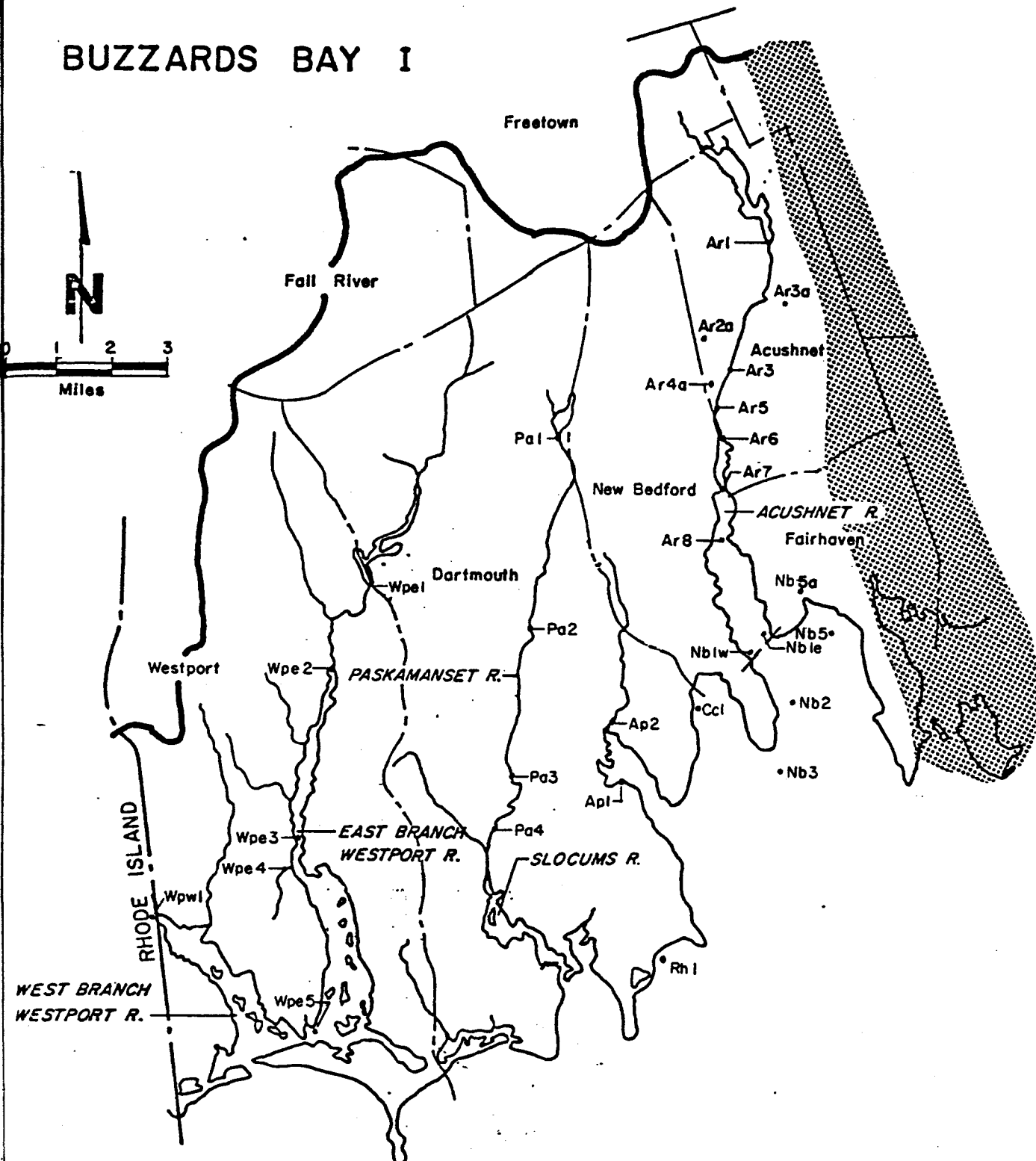
TABLE 1
BUZZARDS BAY I 1975 SURVEY
LOCATION OF SAMPLING STATIONS

<u>STATION NUMBER</u>	<u>LOCATION</u>	<u>RIVER MILE</u>
✓ 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 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)

<u>STATION NUMBER</u>	<u>LOCATION</u>	<u>RIVER MILE</u>
✓ PA1	Paskamanset River, outlet of Turner Pond, Plainville Road, Dartmouth-New Bedford city line	13.6
✓ PA2 4	Paskamanset River, Route 6, Dartmouth	10.2
PA3 5	Paskamanset River, Russells Mills Road, above Dartmouth dump, Dartmouth	5.7
PA4 0	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
✓ WPE5	Westport River, East Branch, Route 88 bridge, Westport	2.2
W PW1	Westport River, West Branch, at U.S.G.S. gage, Adamsville, R.I.	4.5

BUZZARDS BAY I



LOCATION OF SAMPLING STATIONS

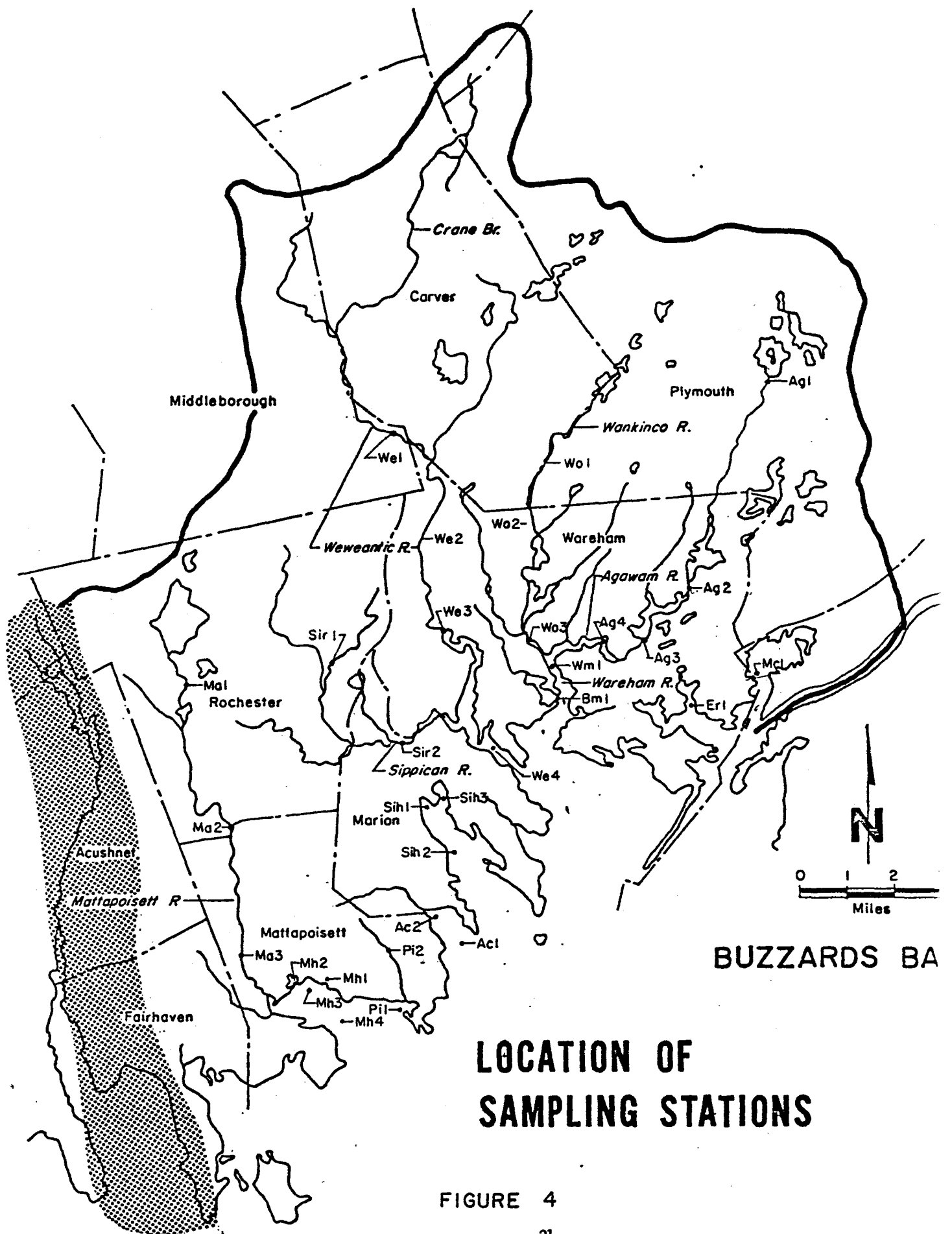
FIGURE 3

TABLE 2
BUZZARDS BAY II 1975 SURVEY
LOCATION OF SAMPLING STATIONS

<u>STATION NUMBER</u>	<u>LOCATION</u>	<u>RIVER MILE</u>
✓ 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, Mattapoissett-Marion	
AC2	Aucoot Cove, of Haskell Island, Mattapoissett-Marion	
BM1	Broad Marsh River at mouth, Wareham	1.6, 0
ER1	East River at mouth, Onset Avenue, Wareham	0.0
✓ MH1	Unnamed brook to Mattapoissett Harbor, Main Street, Mattapoissett	0.05
MH2	Mattapoissett Harbor, outlet of Eel Pond, Mattapoissett	
MH3	Mattapoissett Harbor at Nun 8, Mattapoissett	
MH4	Mattapoissett Harbor at Nun 6, Mattapoissett	
✓ MA1	Mattapoissett River, Snipatuit Road, Rochester	9.5
✓ MA2	Mattapoissett River, Wolf Island Road, Mattapoissett	4.8
✓ MA3	Mattapoissett River, Acushnet Road, Mattapoissett	1.7
MC1	Miller Cove, Wareham	
PI1	Pine Island Pond, outlet, Mattapoissett	
✓ 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)

<u>STATION NUMBER</u>	<u>LOCATION</u>	<u>RIVER MILE</u>
✓ SIR1	Sippican River, Pierceville Road, Rochester	2.2, 6.8
✓ SIR2	Sippican River, County Road, Wareham	2.2, 2.1
✓ W01	Wankinco River, above regional landfill, Carver	2.6, 4.5
✓ W02	Wankinco River, below regional landfill, Carver	2.6, 3.4
W03	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 BA

LOCATION OF SAMPLING STATIONS

FIGURE 4
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TABLE 3

BUZZARDS BAY I 1975 SURVEY

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

STATION	7/8/75					7/9/75					
	RUN 1	RUN 2	RUN 3	RUN 4	RUN 5	RUN 6	RUN 7	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	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	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/l) - TIME - TEMPERATURE (°F)

STATION	7/9/75			7/10/75			7/11/75		
	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						7/9/75			
	RUN 1	RUN 2	RUN 3	RUN 4	RUN 5	RUN 6	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			7/10/75			7/11/75		
	RUN 11	RUN 12	RUN 13	RUN 14	RUN 15	RUN 16	RUN 17	RUN 18	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	RUN 1	RUN 2	7/8/75		RUN 5	RUN 6	RUN 7	7/9/75		RUN 10
			RUN 3	RUN 4				RUN 8	RUN 9	
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 13	RUN 14	7/10/75		RUN 17	RUN 18	7/11/75
	RUN 11	RUN 12			RUN 15	RUN 16			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 (°F)

TIDAL STATIONS - SAMPLED AT LOW TIDE

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

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

TABLE 5 (Continued)

BUZZARDS BAY I 1975 SURVEY

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

STATION	8/20/75				8/21/75			8/22/75	
	RUN 11	RUN 12	RUN 13	RUN 14	RUN 15	RUN 16	RUN 17	RUN 18	RUN 19
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						8/20/75			
	RUN 1	RUN 2	RUN 3	RUN 4	RUN 5	RUN 6	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 13	RUN 14	8/21/75		RUN 17	RUN 18	8/22/75
	RUN 11	RUN 12			RUN 15	RUN 16			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					8/20/75				
	RUN 1	RUN 2	RUN 3	RUN 4	RUN 5	RUN 6	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 13	RUN 14	8/21/75		RUN 17	RUN 18	8/22/75
	RUN 11	RUN 12			RUN 15	RUN 16			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 - TIME - TEMPERATURE (°F)

STATION SAMPLED AT HIGH AND LOW TIDES

STATION	8/19/75		8/20/75		8/21/75	
	HIGH	LOW	HIGH	LOW	HIGH	LOW
MUSKET RIVER						
AR7 - Top	0733	130	0750	1333	0830	1402
	70.0	74.	69.0	74.0	70.0	73.0
	4.0	5.	5.2	6.6	5.2	7.7
AR7 - Bottom	0733	130	0750	1333	0830	1402
	68.0	73.	70.0	72.0	69.0	72.0
	4.2	3	4.7	3.8	5.1	4.8
AR8 - Top	0725	12.	0743	1325	0825	1354
	68.0	74	68.0	74.0	69.0	72.0
	4.9	4	5.5	5.6	5.4	5.6
AR8 - Bottom	0725	12.	0743	1325	0825	1354
	69.0	72	70.0	72.0	69.0	70.0
	5.2	4	5.0	5.1	6.0	5.4
PONAGANSET BAY						
AP1 - Top	0610	13.	0712	1356	0730	1253
	71.0	77	69.0	71.0	71.0	74.0
	5.3	7	6.4	5.7	6.2	7.3
CLARK COVE						
CC1 - Top	0545	11.	0630	1218	0713	1230
	69.0	72	70.0	71.0	67.0	72.0
	8.0	8	8.6	8.2	7.9	8.1
CC1 - Bottom	0545	11.	0630	1218	0713	1230
	65.0	70	70.0	70.0	67.0	71.0
	6.2	8	7.8	8.7	7.3	8.0
BEDFORD HARBOR						
NB1 West - Top	0712	12.	0732	1313	0810	1345
	68.0	72	70.0	73.0	68.0	71.0
	6.2	6	6.6	7.9	6.7	7.5
NB1 West - Bottom	0712	12.	0732	1313	0810	1345
	68.0	71	69.0	71.0	69.0	70.0
	6.4	6	6.4	8.1	6.7	7.2
NB1 East - Top	0658	12.	0725	1305	0803	1335
	66.0	72	70.0	71.0	68.0	72.0
	6.4	6	6.8	7.2	6.5	7.4
NB1 East - Bottom	0658	12.	0725	1305	0803	1333
	70.0	71	70.0	71.0	68.0	70.0
	6.3	5	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)

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

TABLE 7 (Continued)

BUZZARDS BAY II 1975 SURVEY

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

STATION	7/16/75		RUN 13	RUN 14	7/17/75			RUN 18	7/18/75
	RUN 11	RUN 12			RUN 15	RUN 16	RUN 17		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

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TABLE 7 (Continued)

STATION	RUN 1	RUN 2	7/15/75				RUN 6	RUN 7	7/16/75		RUN 10
			RUN 3	RUN 4	RUN 5	RUN 8			RUN 9		
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											
W01	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	
W02	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	
W03	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 13	RUN 14	7/17/75			RUN 18	7/18/75
	RUN 11	RUN 12			RUN 15	RUN 16	RUN 17		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

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TABLE 7 (Continued)

STATION	7/15/75					7/16/75				
	RUN 1	RUN 2	RUN 3	RUN 4	RUN 5	RUN 6	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			7/17/75			7/18/75		
	RUN 11	RUN 12	RUN 13	RUN 14	RUN 15	RUN 16	RUN 17	RUN 18	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

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TABLE 8

DISSOLVED OXYGEN (mg/l) - TIME - TEMPERATURE (°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			
<i>38 MH</i> MH2	1030	1040	0950
	74.0	75.0	77.0
	6.0	5.7	4.9
<i>40 MH</i> 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/l) - TIME - TEMPERATURE (°F)

STATION	8/26/75					8/27/75				
	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/l) - TIME - TEMPERATURE (°F)

STATION	8/27/75		8/28/75					8/29/75	
	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

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TABLE 9 (Continued)

STATION	RUN 1	RUN 2	8/26/75		RUN 5	RUN 6	RUN 7	8/27/75		RUN 10
			RUN 3	RUN 4				RUN 8	RUN 9	
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										
W01	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
W02	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
W03	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

AM 12
PM 7

3 1
4 3

48

TABLE 9 (Continued)

STATION	8/27/75			8/28/75				8/29/75	
	RUN 11	RUN 12	RUN 13	RUN 14	RUN 15	RUN 16	RUN 17	RUN 18	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

AM PM
19 11

3 4

4 5

TABLE 9 (Continued)

STATION	8/26/75					8/27/75				
	RUN 1	RUN 2	RUN 3	RUN 4	RUN 5	RUN 6	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

AM PM
26 20

TABLE 9 (Continued)

STATION	8/27/75			8/28/75				8/29/75	
	RUN 11	RUN 12	RUN 13	RUN 14	RUN 15	RUN 16	RUN 17	RUN 18	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

AM PM
 26 20
 27 21

TABLE 10

DISSOLVED OXYGEN (mg/l) - TIME - TEMPERATURE (°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	^{5.8} 5.5	^{4.2} 3.0	4.4
PA2	---	---	---	^{4.8} 5.8	^{4.1} 4.6	5.3
PA3	7.9	4.9	5.8	^{5.6} 6.6	^{5.1} 5.0	6.0
PA4	6.9	4.5	5.6	^{5.3} 6.9	^{4.9} 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/bottom₆₁

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

BOD₅ (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

STATION	BOD ₅ (mg/l)			8/26/75	8/28/75	AVG.
	7/15/75	7/17/75	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
W01	7/15/75	1.2	1.6	2.0
	8/26/75	0.0	3.8	3.8
W02	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	8.0	14
WO3	68	65	66	98	77	88
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	0.3	0.2
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/l)

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						
W01	0.02	0.05	0.04	0.02	0.01	0.02
W02	0.04	0.05	0.04	0.01	0.01	0.01
W03	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
AR2 _a	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 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/l)

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/l)

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/l)

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		TOTAL		FECAL		TOTAL		
	7/8/75	7/8/75	7/10/75	GEOM. MEAN	8/19/75	8/19/75	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	1,200	<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	GEOM. MEAN	FECAL	8/19/75	TOTAL	GEOM. MEAN
	7/8/75		7/10/75		8/19/75		8/21/75	
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	GEOM. MEAN	FECAL	8/19/75	TOTAL	GEOM. MEAN
	7/8/75		7/10/75		8/19/75		8/21/75	
	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	TOTAL			FECAL	TOTAL			
	7/15/75	7/15/75	7/17/75	GEOM. MEAN	8/26/75	8/26/75	8/28/75	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	TOTAL	GEOM. MEAN	FECAL	8/26/75	TOTAL	GEOM. MEAN
	7/15/75		7/17/75		8/26/75		8/28/75	
	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	GEOM. MEAN	FECAL	8/26/75	TOTAL	GEOM. MEAN
	7/15/75		7/17/75		8/26/75		8/28/75	
	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
AR2 a	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/l)

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			MANGANESE		
	7/15/75	7/17/75	AVG.	7/15/75	7/17/75	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)

<u>STATION</u>	IRON			MANGANESE		
	<u>7/15/75</u>	<u>7/17/75</u>	<u>AVG.</u>	<u>7/15/75</u>	<u>7/17/75</u>	<u>AVG.</u>
	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	---	---	---	---	---	---

DID NOT
SAMPLE
COPPER

TABLE 44
BUZZARDS BAY I AND II SURVEYS

STATION	HEAVY METALS (mg/l)				
	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

¹Mercury is reported in ug/l

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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/l)

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

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¹Percent 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	W01	W02	W03	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
<u>ACUSHNET RIVER</u> 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*	--	--
<u>PASKAMANSETT RIVER</u> at:										
Outlet Turner Pond	--	1.58	--	--	--	--	--	2.29	--	--
Route 6	--	--	--	--	--	--	--	--	2.45	--
Russells Mills Road	--	3.41	--	3.40	--	--	2.65	--	--	--
<u>SHINGLE ISLAND RIVER</u> 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
<u>WESTPORT RIVER, EAST BRANCH at:</u>										
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*	--	--	--
<u>WESTPORT RIVER, WEST BRANCH at:</u>										
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

Discontinued?

TABLE 49

BUZZARDS BAY II 1975 SURVEYSUMMARY OF FLOW DATA

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

TABLE 49 (Continued)

<u>LOCATION</u>	<u>DISCHARGE (cfs)</u>					
	<u>7/15</u>	<u>7/16</u>	<u>7/17</u>	<u>8/27</u>	<u>8/28</u>	<u>8/29</u>
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 polyphosphates 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 converted 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 parameters 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/l. For cold water streams the D.O. shall not be less than 6 mg/l. For seasonal cold water the D.O. shall not be less than 6 mg/l 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 animal 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/l during at least 16 hours of any 24 hour period, nor less than 3 mg/l at any time. For seasonal cold water fisheries at least 6 mg/l 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/l 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.
135	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.