

~~WATER QUALITY - N.Y.~~
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NASSAU COUNTY OCEAN
SURFACE WATER QUALITY REPORT

1975 REPORT YEAR

JOHN J. DOWLING, M.D., M.P.H., COMMISSIONER
NASSAU COUNTY DEPARTMENT OF HEALTH

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General - Chemical sampling points are monitored for dissolved oxygen levels at three depths in the water column: (1) at the surface, (2) at a 5-foot depth, and (3) at a 20-foot depth below the surface (or at the bottom if depth was less than 20 feet). For the sake of uniformity, only dissolved oxygen levels at the five-foot depth were tabulated in this narrative and compared with the surface waters' classification standards. Dissolved oxygen levels at all three depths are contained in Appendix II.

OCEAN SURFACE WATER QUALITY REPORT

This report was prepared by the Bureau of Water Pollution Control of the Nassau County Department of Health and summarizes the data from the Bureau's bacteriological and chemical surface water sampling program. The report covers the period from ~~September~~, 1974 to ~~October~~, 1975.
~~OCTOBER~~ ~~SEPTEMBER~~

The parameters monitored include total and fecal coliform, pH, alkalinity, suspended solids, chlorides, dissolved oxygen, biochemical oxygen demand, ammonia, nitrate and nitrite nitrogen, total and ortho phosphates and salinity. Turbidity determinations are also performed. The data is presented in Appendices I and II of this report.

Appendix I contains the raw data from bacteriological sampling along with tide and weather conditions for all sample days. Appendix II contains all of the chemical sampling data. In addition, the dissolved oxygen levels at the chemical sampling points are summarized in graphs for each area. These graphs indicate the average, highest and lowest dissolved oxygen levels at these points, and are helpful in comparing the areas with each other and with the classification standards.

Total and fecal coliform and dissolved oxygen are the key parameters for determining compliance of marine waters to "best use" standards established by New York State. These standards have classified all the State's surface water areas specifically for their best intended use, and establish minimum levels of dissolved oxygen and maximum coliform bacteria levels which determine whether or not the areas meet the standards of their best use classification.

Marine waters are classified SA, SB, SC or SD. Waters whose best use would be shellfishing are classified "SA" and are required to have a median total coliform level below 70 MPN/100 ml. Waters whose classification is "SB" would be best used for primary contact recreation and "SC" waters would be best used for secondary contact recreation. Total and fecal coliform criteria are progressively less stringent as the shift is made from SA to SB to SC classifications, but the minimum dissolved oxygen level is the same. This must be at least 5.0 mg/l at all times in order to meet SA, SB or SC classifications. To meet SD

6/16/09 RL

Table 3

Oct. 1974 to Sept. 1975 Surface Water Coliform Levels

Report Year Bacteriological
Data Summary by Point

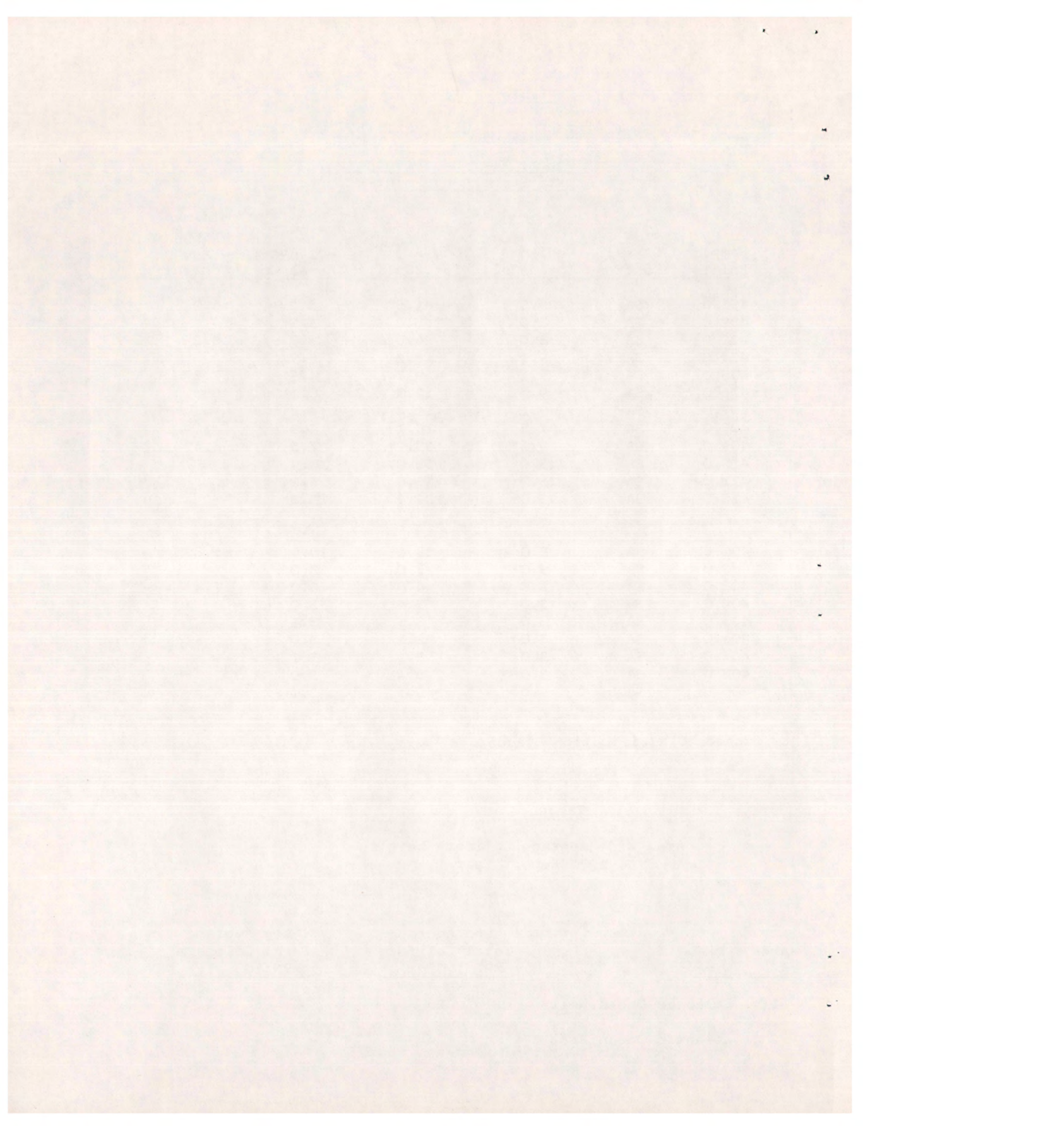
	Sampling Points	Classification	Median Total Coli	Log Avg. Tot. Coli.	Log Avg Fecal Coli	Minimum Dissolved Oxygen Content
Atlantic Ocean West Area 1	401.0	SA	23.0	41.5	6.2	6.0
	402.0	SA	3.0	8.3	3.1	
	403.0	SA	3.0	6.6	3.0	8.2
	404.0	SA	9.1	8.3	5.9	
	405.0	SA	9.1	9.7	4.3	7.8
	406.0	SA	9.1	12.3	6.1	
	407.0	SA	9.1	11.4	4.2	
	408.0	SA	7.3	18.1	4.9	
	409.0	SA	9.1	23.9	7.5	8.4
	410.0	SA	43.0	53.0	12.4	
	411.0	SA	21.0	15.6	5.2	
	412.0	SA	93.0*	109.6	13.0	
Atlantic Ocean East Area 2	401.0	SA	23.0	28.5	10.9	6.8
	402.0	SA	3.0	3.0	3.0	
	403.0	SA	3.0	4.0	3.0	7.4
	404.0	SA	3.0	3.4	3.0	
	405.0	SA	3.0	3.5	3.1	
	406.0	SA	3.0	3.1	3.0	
	407.0	SA	3.0	3.1	3.1	
	408.0	SA	3.0	5.4	3.0	
	409.0	SA	3.0	3.1	3.1	6.4

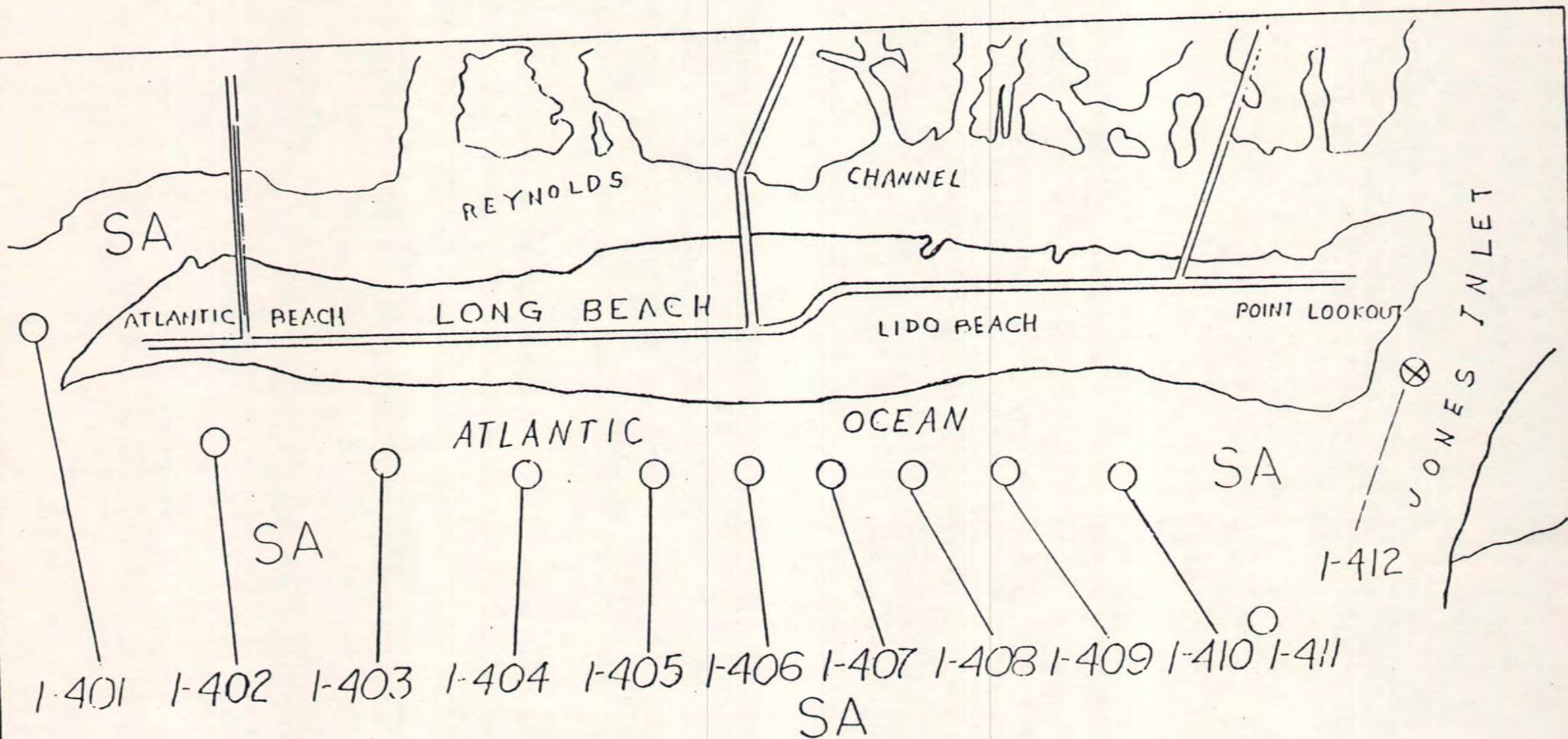
* Exceeds Classification Standard

Table 4

Area Wide Average Coliform Levels
1975 Report Year

Area #	Name	Log Average Total Coliform MPN/100 ml	Log Average Fecal Coliform MPN/100 ml
1	Atlantic Ocean West	26	6
2	Atlantic Ocean East	6	4

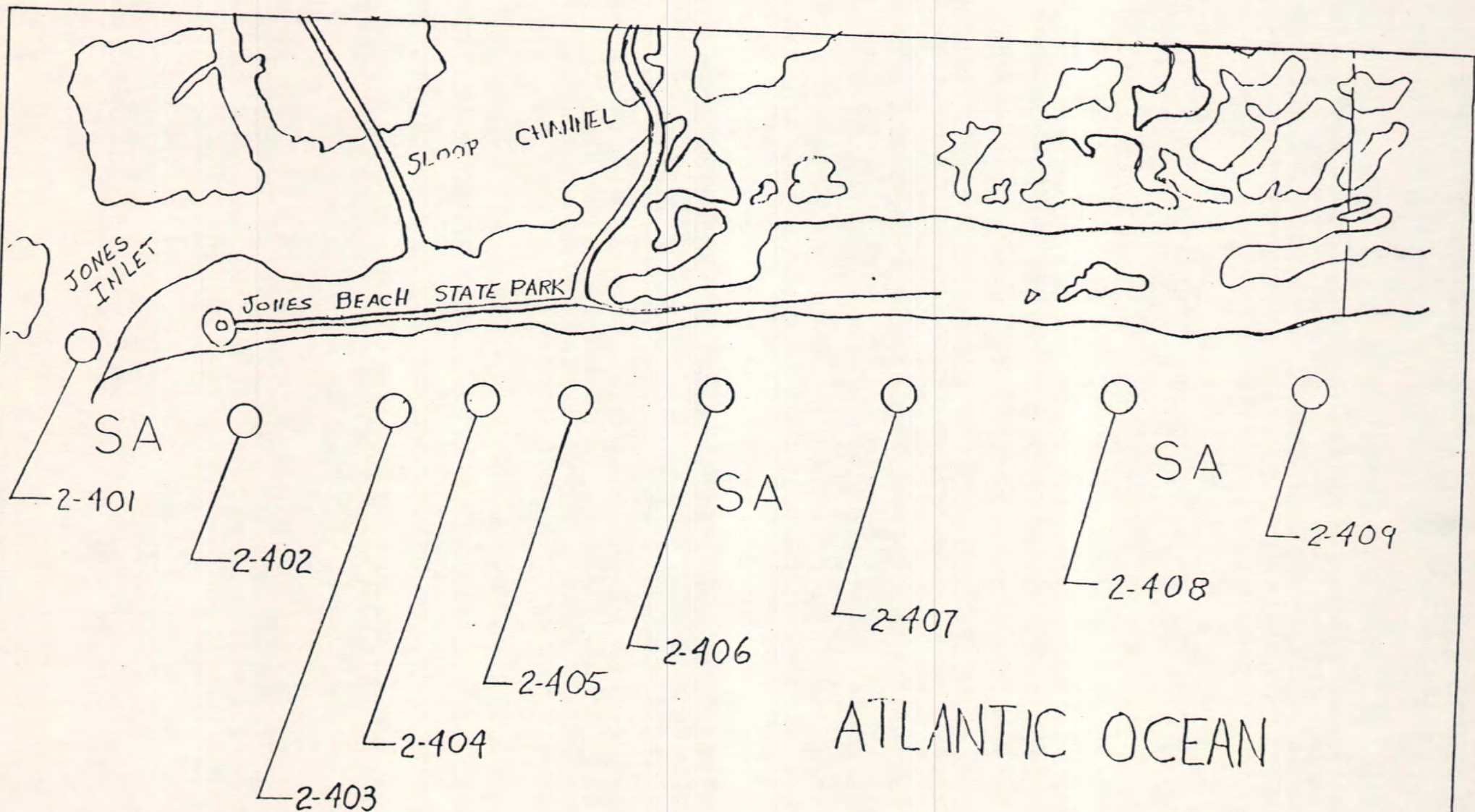




⊗ = Points exceeding standards for assigned classification by one or more parameters.

○ = Points conforming to standards for assigned classification.

OCEAN WEST
AREA I
SAMPLING LOCATIONS
MAP I



⊗ = Points exceeding standards for assigned classification by one or more parameters.

○ = Points conforming to standards for assigned classification.

OCEAN EAST
 AREA 2
 SAMPLING LOCATIONS
 MAP 2

APPENDIX I

OCEAN SURFACE WATER BACTERIOLOGICAL DATA

1975 REPORT YEAR

METEOROLOGICAL DATA FOR
ATLANTIC OCEAN WEST AREA NO. 1

DATE	HIGH TIDE	LOW TIDE	PRECIPITATION-INCHES FREEPORT		
			2 DAYS BEFORE	DAY BEFORE	DAY OF SAMPLE
100774	1204	529	0.0	0.0	0.0
51475	1022	1602	0.0	0.17	0.0
61975	1648	1021	0.0	0.0	0.34
71075	900	1501	0.0	0.0	0.0
82075	708	1310	0.0	0.0	0.0
92975	1513	909	0.0	0.0	0.0

NASSAU COUNTY SURFACE WATER SAMPLING DATA
 ATLANTIC OCEAN WEST AREA NO. 1
 POINT NO. 401.0

DATE	TIME	TOTAL COLIFORM	FECAL COLIFORM
100774	1230	93.0	L 3.0
51475	1055	3.6	L 3.0
51475	1105	3.0	L 3.0
61975	1050	23.0	23.0
61975	1055	23.0	23.0
71075	1050	G 24000.0	9.1
82075	1205	430.0	9.1
82075	1213	7.3	L 3.0
92975	1230	9.1	3.6

THE CUMULATIVE LOG AVERAGE FOR TOTAL COLIFORM IS = 41.5

THE TOTAL COLIFORM MEDIAN = 23.0

THE CUMULATIVE LOG AVERAGE FOR FECAL COLIFORM IS = 6.2

THE FECAL COLIFORM MEDIAN = 3.6

PERCENT TOT. COLIFORM GREATER THAN 330 MPN = 22.2

NASSAU COUNTY SURFACE WATER SAMPLING DATA
 ATLANTIC OCEAN WEST AREA NO. 1
 POINT NO. 402.0

DATE	TIME	TOTAL COLIFORM	FECAL COLIFORM
100774	1215	3.6	3.6
51475	1045	3.0	L 3.0
51475	1112	L 3.0	L 3.0
61575	1040	L 3.0	L 3.0
61975	1105	L 3.0	L 3.0
71075	1042	G 24000.0	L 3.0
82075	1150	L 3.0	L 3.0
82075	1222	L 3.0	L 3.0
92575	1220	L 3.0	L 3.0

THE CUMULATIVE LOG AVERAGE FOR TOTAL COLIFORM IS = 8.3

THE TOTAL COLIFORM MEDIAN = 3.0

THE CUMULATIVE LOG AVERAGE FOR FECAL COLIFORM IS = 3.1

THE FECAL COLIFORM MEDIAN = 3.0

PERCENT TOT. COLIFORM GREATER THAN 330 MFN= 11.1

NASSAU COUNTY SURFACE WATER SAMPLING DATA
 ATLANTIC OCEAN WEST AREA NO. 1
 POINT NO. 403.0

DATE	TIME	TOTAL COLIFORM	FECAL COLIFORM
100774	1155	23.0	L 3.0
51475	1035	L 3.0	L 3.0
51475	1114	L 3.0	L 3.0
61975	1025	L 3.0	L 3.0
61975	1113	23.0	L 3.0
71075	1029	53.0	L 3.0
82075	1138	L 3.0	L 3.0
82075	1227	3.6	L 3.0
92975	1209	L 3.0	L 3.0

THE CUMULATIVE LOG AVERAGE FOR TOTAL COLIFORM IS = 6.6

THE TOTAL COLIFORM MEDIAN = 3.0

THE CUMULATIVE LOG AVERAGE FOR FECAL COLIFORM IS = 3.0

THE FECAL COLIFORM MEDIAN = 3.0

PERCENT TOT. COLIFORM GREATER THAN 330 MPN = 0.0

NASSAU COUNTY SURFACE WATER SAMPLING DATA
 ATLANTIC OCEAN WEST AREA NO. 1
 POINT NO. 404.0

DATE	TIME	TOTAL COLIFORM	FECAL COLIFORM
100774	1140	9.1	L 3.0
51475	1022	23.0	23.0
51475	1129	23.0	23.0
61975	1015	7.2	3.0
61975	1125	L 3.0	L 3.0
71075	1018	23.0	23.0
82075	1123	9.1	L 3.0
82075	1236	L 3.0	L 3.0
92975	1200	L 3.0	L 3.0

THE CUMULATIVE LOG AVERAGE FOR TOTAL COLIFORM IS = 8.3

THE TOTAL COLIFORM MEDIAN = 9.1

THE CUMULATIVE LOG AVERAGE FOR FECAL COLIFORM IS = 5.9

THE FECAL COLIFORM MEDIAN = 3.0

PERCENT TOT. COLIFORM GREATER THAN 330 MPN= 0.0

NASSAL COUNTY SURFACE WATER SAMPLING DATA
 ATLANTIC OCEAN WEST AREA NO. 1
 POINT NO. 405.0

DATE	TIME	TOTAL COLIFORM	FECAL COLIFORM
100774	1125	23.0	3.6
51475	1015	39.0	23.0
51475	1130	43.0	7.3
61575	1005	L 3.0	L 3.0
61575	1125	9.1	L 3.0
71075	1010	23.0	3.6
82075	1115	L 3.0	L 3.0
82075	1245	3.6	L 3.0
92975	1154	L 3.0	L 3.0

THE CUMULATIVE LOG AVERAGE FOR TOTAL COLIFORM IS = 9.7

THE TOTAL COLIFORM MEDIAN = 5.1

THE CUMULATIVE LOG AVERAGE FOR FECAL COLIFORM IS = 4.3

THE FECAL COLIFORM MEDIAN = 3.0

PERCENT TOT. COLIFORM GREATER THAN 330 MPN= 0.0

NASSAU COUNTY SURFACE WATER SAMPLING DATA
ATLANTIC OCEAN WEST AREA NO. 1
POINT NO. 406.0

DATE	TIME	TOTAL COLIFORM	FECAL COLIFORM
100774	1110	9.1	L 3.0
51475	1010	43.0	43.0
51475	1140	L 3.0	L 3.0
61975	1003	23.0	9.1
61975	1126	3.6	L 3.0
71075	1004	21.0	11.0
82075	1100	93.0	L 3.0
82075	1248	3.6	3.6
92975	1148	9.1	9.1

THE CUMULATIVE LOG AVERAGE FOR TOTAL COLIFORM IS = 12.3

THE TOTAL COLIFORM MEDIAN = 9.1

THE CUMULATIVE LOG AVERAGE FOR FECAL COLIFORM IS = 6.1

THE FECAL COLIFORM MEDIAN = 3.6

PERCENT TOT. COLIFORM GREATER THAN 330 MPN= 0.0

NASSAU COUNTY SURFACE WATER SAMPLING DATA
 ATLANTIC OCEAN WEST AREA NO. 1
 POINT NO. 407.G

DATE	TIME	TOTAL COLIFORM	FECAL COLIFORM
100774	1055	9.1	L 3.0
51475	1005	75.0	23.0
51475	1145	L 3.0	L 3.0
61975	958	150.0	L 3.0
61975	1132	3.6	L 3.0
71075	959	15.0	3.6
82075	1053	L 3.0	L 3.0
82075	1252	7.3	7.3
92975	1140	9.1	L 3.0

THE CUMULATIVE LOG AVERAGE FOR TOTAL COLIFORM IS = 11.4

THE TOTAL COLIFORM MEDIAN = 9.1

THE CUMULATIVE LOG AVERAGE FOR FECAL COLIFORM IS = 4.2

THE FECAL COLIFORM MEDIAN = 3.0

PERCENT TOT. COLIFORM GREATER THAN 330 MPN= 0.0

NASSAU COUNTY SURFACE WATER SAMPLING DATA
 ATLANTIC OCEAN WEST AREA NO. 1
 POINT NO. 408.0

DATE	TIME	TOTAL COLIFORM	FECAL COLIFORM
100774	1045	15.0	9.1
51475	1000	43.0	9.1
51475	1150	23.0	3.6
61975	953	L 3.0	L 3.0
61975	1135	L 3.0	L 3.0
71075	954	G 24000.0	21.0
82075	1045	L 3.0	L 3.0
82075	1255	L 3.0	L 3.0
92975	1133	7.3	L 3.0

THE CUMULATIVE LOG AVERAGE FOR TOTAL COLIFORM IS = 18.1

THE TOTAL COLIFORM MEDIAN = 7.3

THE CUMULATIVE LOG AVERAGE FOR FECAL COLIFORM IS = 4.9

THE FECAL COLIFORM MEDIAN = 3.0

PERCENT TOT. COLIFORM GREATER THAN 330 MPN= 11.1

NASSAU COUNTY SURFACE WATER SAMPLING DATA
 ATLANTIC OCEAN WEST AREA NO. 1
 POINT NO. 409.0

DATE	TIME	TOTAL COLIFORM	FECAL COLIFORM
100774	1025	9.1	3.6
51475	950	240.0	240.0
51475	1153	9.1	3.6
61975	945	7.3	L 3.0
61575	1140	43.0	43.0
71075	938	43.0	7.3
82075	1038	430.0	L 3.0
82075	1259	L 3.0	L 3.0
92575	1125	7.3	L 3.0

THE CUMULATIVE LOG AVERAGE FOR TOTAL COLIFORM IS = 23.9

THE TOTAL COLIFORM MEDIAN = 5.1

THE CUMULATIVE LOG AVERAGE FOR FECAL COLIFORM IS = 7.5

THE FECAL COLIFORM MEDIAN = 3.6

PERCENT TOT. COLIFORM GREATER THAN 330 MPN = 11.1

NASSAU COUNTY SURFACE WATER SAMPLING DATA
 ATLANTIC OCEAN WEST AREA NO. 1
 POINT NO. 410.0

DATE	TIME	TOTAL COLIFORM	FECAL COLIFORM
100774	1015	23.0	23.0
51475	938	240.0	23.0
51475	1200	9.1	3.6
61975	932	43.0	23.0
61975	1145	93.0	7.3
71075	935	4600.0	7.3
82075	1025	3.6	L 3.0
82075	1305	43.0	43.0
92575	1110	23.0	23.0

THE CUMULATIVE LOG AVERAGE FOR TOTAL COLIFORM IS = 53.0

THE TOTAL COLIFORM MEDIAN = 43.0

THE CUMULATIVE LOG AVERAGE FOR FECAL COLIFORM IS = 12.4

THE FECAL COLIFORM MEDIAN = 23.0

PERCENT TOT. COLIFORM GREATER THAN 330 MPN= 11.1

NASSAU COUNTY SURFACE WATER SAMPLING DATA
ATLANTIC OCEAN WEST AREA NO. 1
POINT NO. 411.0

DATE	TIME	TOTAL COLIFORM	FECAL COLIFORM
100774	1005	9.1	L 3.0
51475	933	L 3.0	L 3.0
51475	1205	23.0	3.6
61975	930	23.0	9.1
61575	1152	240.0	43.0
71075	930	3.6	L 3.0
82075	1022	21.0	7.3
82075	1313	23.0	L 3.0
92975	1055	9.1	3.6

THE CUMULATIVE LOG AVERAGE FOR TOTAL COLIFORM IS = 15.6

THE TOTAL COLIFORM MEDIAN = 21.0

THE CUMULATIVE LOG AVERAGE FOR FECAL COLIFORM IS = 5.2

THE FECAL COLIFORM MEDIAN = 3.6

PERCENT TOT. COLIFORM GREATER THAN 330 MPN = 0.0

NASSAU COUNTY SURFACE WATER SAMPLING DATA
 ATLANTIC OCEAN WEST AREA NO. 1
 POINT NO. 412.0

DATE	TIME	TOTAL COLIFORM	FECAL COLIFORM
100774	955	7.3	L 3.0
51475	925	93.0	L 3.0
51475	1220	23.0	23.0
61975	920	43.0	43.0
61975	1200	93.0	43.0
71075	920	23.0	9.1
82075	1017	G 24000.0	3.6
82075	1323	430.0	93.0
92975	1107	93.0	9.1

THE CUMULATIVE LOG AVERAGE FOR TOTAL COLIFORM IS = 103.6

THE TOTAL COLIFORM MEDIAN = 93.0

THE CUMULATIVE LOG AVERAGE FOR FECAL COLIFORM IS = 13.0

THE FECAL COLIFORM MEDIAN = 9.1

PERCENT TOT. COLIFORM GREATER THAN 330 MPN= 22.2

L= LESS THAN, G= GREATER THAN FOR THE COLIFORM COUNT

BUREAU OF WATER POLLUTION CONTROL

METEOROLOGICAL DATA FOR
ATLANTIC OCEAN EAST AREA NO. 2

PRECIPITATION-INCHES

FREEPORT

DATE	HIGH TIDE	LOW TIDE	2 DAYS BEFORE	DAY BEFORE	DAY OF SAMPLE
101574	750	1401	0.0	0.0	0.05
50675	432	1045	1.29	0.15	0.43
62675	1007	1609	0.29	0.0	0.0
73175	1348	719	0.0	0.0	0.0
81975	636	1233	0.0	0.0	0.0
92975	1523	917	0.0	0.0	0.0

NASSAU COUNTY SURFACE WATER SAMPLING DATA
 ATLANTIC OCEAN EAST AREA NO. 2
 POINT NO. 401.0

DATE	TIME	TOTAL COLIFORM	FECAL COLIFORM
101574	930	L 3.0	L 3.0
50675	918	240.0	15.0
50675	1203	430.0	75.0
62675	940	3.6	3.6
62675	122J	23.0	7.3
73175	857	43.0	23.0
73175	1123	9.1	9.1
81975	900	23.0	23.0
81975	1058	430.0	15.0
92975	1105	3.6	3.6

THE CUMULATIVE LOG AVERAGE FOR TOTAL COLIFORM IS = 28.5

THE TOTAL COLIFORM MEDIAN = 23.0

THE CUMULATIVE LOG AVERAGE FOR FECAL COLIFORM IS = 10.9

THE FECAL COLIFORM MEDIAN = 12.0

PERCENT TOT. COLIFORM GREATER THAN 330 MPN= 20.0

NASSAU COUNTY SURFACE WATER SAMPLING DATA
 ATLANTIC OCEAN EAST AREA NO. 2
 POINT NO. 402.0

DATE	TIME	TOTAL COLIFORM	FECAL COLIFORM
50675	937	L 3.0	L 3.0
50675	1138	L 3.0	L 3.0
62675	1003	L 3.0	L 3.0
62675	1210	L 3.0	L 3.0
73175	918	L 3.0	L 3.0
73175	1109	L 3.0	L 3.0
81975	914	L 3.0	L 3.0
81975	1046	L 3.0	L 3.0
92975	1045	L 3.0	L 3.0

THE CUMULATIVE LOG AVERAGE FOR TOTAL COLIFORM IS = 3.0

THE TOTAL COLIFORM MEDIAN = 3.0

THE CUMULATIVE LOG AVERAGE FOR FECAL COLIFORM IS = 3.0

THE FECAL COLIFORM MEDIAN = 3.0

PERCENT TOT. COLIFORM GREATER THAN 330 MPN= 0.0

NASSAU COUNTY SURFACE WATER SAMPLING DATA
 ATLANTIC OCEAN EAST AREA NO. 2
 POINT NO. 403.0

DATE	TIME	TOTAL COLIFORM	FECAL COLIFORM
50675	938	L 3.0	L 3.0
50675	1132	L 3.0	L 3.0
62675	1010	L 3.0	L 3.0
62675	1205	3.6	L 3.0
73175	930	L 3.0	L 3.0
73175	1105	9.1	L 3.0
81975	920	L 3.0	L 3.0
81975	1043	9.1	L 3.0
92975	1040	3.6	L 3.0

THE CUMULATIVE LOG AVERAGE FOR TOTAL COLIFORM IS = 4.0

THE TOTAL COLIFORM MEDIAN = 3.0

THE CUMULATIVE LOG AVERAGE FOR FECAL COLIFORM IS = 3.0

THE FECAL COLIFORM MEDIAN = 3.0

PERCENT TOT. COLIFORM GREATER THAN 330 MPN = 0.0

NASSAU COUNTY SURFACE WATER SAMPLING DATA
ATLANTIC OCEAN EAST AREA NO. 2
POINT NO. 404.0

DATE	TIME	TOTAL COLIFORM	FECAL COLIFORM
50675	955	3.6	L 3.0
50675	1126	L 3.0	L 3.0
62675	1030	L 3.0	L 3.0
62675	1159	L 3.0	L 3.0
73175	938	L 3.0	L 3.0
73175	1055	L 3.0	L 3.0
81975	928	L 3.0	L 3.0
81975	1036	L 3.0	L 3.0
92975	1035	7.3	L 3.0

THE CUMULATIVE LOG AVERAGE FOR TOTAL COLIFORM IS = 3.4

THE TOTAL COLIFORM MEDIAN = 3.0

THE CUMULATIVE LOG AVERAGE FOR FECAL COLIFORM IS = 3.0

THE FECAL COLIFORM MEDIAN = 3.0

PERCENT TOT. COLIFORM GREATER THAN 330 MPN= 0.0

NASSAU COUNTY SURFACE WATER SAMPLING DATA
 ATLANTIC OCEAN EAST AKFA NO. 2
 POINT NO. 405.0

DATE	TIME	TOTAL COLIFORM		FECAL COLIFORM	
50675	958	L	3.0	L	3.0
50675	1121	L	3.0	L	3.0
62675	1036	L	3.0	L	3.0
62675	1153	L	3.0	L	3.0
73175	946	L	3.0	L	3.0
73175	1055	L	3.0	L	3.0
81975	936		3.6		3.6
81975	1029		9.1	L	3.0
92575	1025	L	3.0	L	3.0

THE CUMULATIVE LOG AVERAGE FOR TOTAL COLIFORM IS = 3.5

THE TOTAL COLIFORM MEDIAN = 3.0

THE CUMULATIVE LOG AVERAGE FOR FECAL COLIFORM IS = 3.1

THE FECAL COLIFORM MEDIAN = 3.0

PERCENT TOT. COLIFORM GREATER THAN 330 MPN = 0.0

NASSAU COUNTY SURFACE WATER SAMPLING DATA
ATLANTIC OCEAN EAST AREA NO. 2
POINT NO. 406.0

DATE	TIME	TOTAL COLIFORM		FECAL COLIFORM	
50675	1003	L	3.0	L	3.0
50675	1111	L	3.0	L	3.0
62675	1055	L	3.0	L	3.0
62675	1147	L	3.0	L	3.0
73175	951	L	3.0	L	3.0
73175	1046	L	3.0	L	3.0
81675	939	L	3.0	L	3.0
81675	1025	L	3.0	L	3.0
92675	1023		3.6	L	3.0

THE CUMULATIVE LOG AVERAGE FOR TOTAL COLIFORM IS = 3.1

THE TOTAL COLIFORM MEDIAN = 3.0

THE CUMULATIVE LOG AVERAGE FOR FECAL COLIFORM IS = 3.0

THE FECAL COLIFORM MEDIAN = 3.0

PERCENT TOT. COLIFORM GREATER THAN 330 MPN = 0.0

NASSAU COUNTY SURFACE WATER SAMPLING DATA
ATLANTIC OCEAN EAST AREA NO. 2
POINT NO. 407.0

DATE	TIME	TOTAL COLIFORM	FECAL COLIFORM
50675	1010	3.0	3.0
50675	1106	L 3.0	L 3.0
62675	1105	L 3.0	L 3.0
62675	1140	L 3.0	L 3.0
73175	1000	L 3.0	L 3.0
73175	1036	L 3.0	L 3.0
81975	947	L 3.0	L 3.0
81975	1016	L 3.0	L 3.0
92975	1015	3.6	3.6

THE CUMULATIVE LOG AVERAGE FOR TOTAL COLIFORM IS = 3.1

THE TOTAL COLIFORM MEDIAN = 3.0

THE CUMULATIVE LOG AVERAGE FOR FECAL COLIFORM IS = 3.1

THE FECAL COLIFORM MEDIAN = 3.0

PERCENT TOT. COLIFORM GREATER THAN 330 MPN = 0.0

NASSAL COUNTY SURFACE WATER SAMPLING DATA
 ATLANTIC OCEAN EAST AREA NO. 2
 POINT NO. 408.0

DATE	TIME	TOTAL COLIFORM	FECAL COLIFORM
50675	1019	3.6	L 3.0
50675	1054	L 3.0	L 3.0
62675	1116	L 3.0	L 3.0
62675	1130	L 3.0	L 3.0
73175	1009	L 3.0	L 3.0
73175	1025	L 3.0	L 3.0
81975	949	430.0	L 3.0
81975	1008	L 3.0	L 3.0
92975	1005	3.6	L 3.0

THE CUMULATIVE LOG AVERAGE FOR TOTAL COLIFORM IS = 5.4

THE TOTAL COLIFORM MEDIAN = 3.0

THE CUMULATIVE LOG AVERAGE FOR FECAL COLIFORM IS = 3.0

THE FECAL COLIFORM MEDIAN = 3.0

PERCENT TOT. COLIFORM GREATER THAN 330 MPN= 11.1

NASSAU COUNTY SURFACE WATER SAMPLING DATA
ATLANTIC OCEAN EAST AREA NO. 2
POINT NO. 409.0

DATE	TIME	TOTAL COLIFORM	FECAL COLIFORM
50675	1035	L 3.0	L 3.0
50675	1042	L 3.0	L 3.0
62675	1120	L 3.0	L 3.0
62675	1124	L 3.0	L 3.0
73175	1015	L 3.0	L 3.0
73175	1020	L 3.0	L 3.0
81975	958	L 3.0	L 3.0
81975	1003	3.6	3.6
92975	955	L 3.0	L 3.0

THE CUMULATIVE LOG AVERAGE FOR TOTAL COLIFORM IS = 3.1

THE TOTAL COLIFORM MEDIAN = 3.0

THE CUMULATIVE LOG AVERAGE FOR FECAL COLIFORM IS = 3.1

THE FECAL COLIFORM MEDIAN = 3.0

PERCENT TOT. COLIFORM GREATER THAN 330 MPN= 0.0

L= LESS THAN, G= GREATER THAN FOR THE COLIFORM COUNT

BUREAU OF WATER POLLUTION CONTROL

APPENDIX II
OCEAN SURFACE WATER CHEMICAL DATA

1975 REPORT YEAR

POINT NUMBER

401 403 405 409 401 403 409

CLASSIFICATION

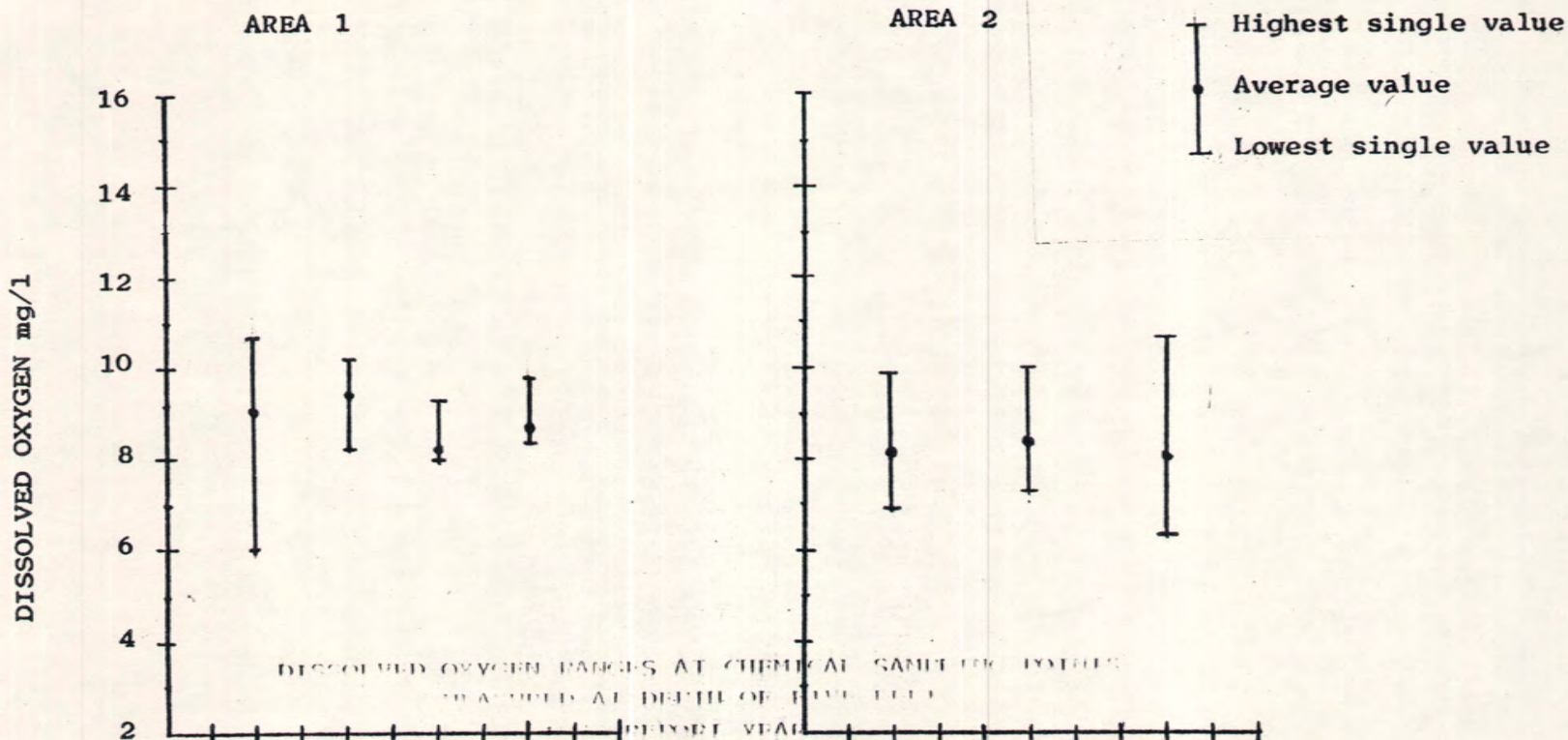
DISSOLVED OXYGEN RANGES AT CHEMICAL SAMPLING POINTS
MEASURED AT DEPTH OF FIVE FEET
1975 REPORT YEAR

Atlantic Ocean West

Atlantic Ocean East

AREA 1

AREA 2



POINT NUMBER

401 403 405 409 401 403 409

CLASSIFICATION

SA SA SA SA SA SA SA

NASSAU COUNTY SURFACE WATER SAMPLING DATA CHEMICAL RESULTS
 ATLANTIC OCEAN WEST AREA NO. 1
 POINT NO. 401.C

DATE	TIME	PH	ALK.		SUS. SOLIDS	CHLO- RIDES	D.O. TOP	D.O. 5FT.	DAY BOT. * BGD	SECCHI FT.	NITROGEN AS N			PO4 AS P		SALINITY 0/00			CHLORO- TURB PYLL		
			P	T							NH3	NO2	NO3	ORTHO	TOT.	TOP	5FT.	BOT.			
100774	1230	8.1	0	0	20	18600	10.8	10.6	9.8	8	4	0.0	0.11	0.020	0.09	0.06	0.09	32.8	33.1	33.5	3
51475	1100	E.2	0	0	8	17800	10.6	10.6	10.4	5	3	9.5	10.02	0.006	10.05	0.02	0.04	32.2	32.3	33.0	4
61575	1050	7.9	0	0	5	17600	6.0	6.0	6.2	6	2	8.0	0.14	0.020	10.05	0.11	0.14	29.8	29.6	29.3	3
71075	1050	F.1	C	0	24	18400	8.0	7.8	8.4	5	1	0.0	0.15	0.005	10.01	0.05	0.07	33.2	0.0	0.0	2
AVG.		8.1	0	0	14	18100	8.8	8.7	8.7		3	8.8	0.10	0.013	0.05	0.06	0.08	32.0	31.7	31.9	3

L=LESS THAN, G=GREATER THAN, E=EQUAL TO

ALL ZERO VALUES NO DATA, AND NOT COUNTED IN AVG. EXCEPT FOR TEMPERATURES

ALL READINGS ARE IN MG/L UNLESS OTHERWISE NOTED

METEOROLOGICAL DATA FOR
ATLANTIC OCEAN WEST AREA NO. 1
PCINT NO. 401.0

DATE	TIME	WATER TEMPTURE DEG. C			WIND	AIR TEMP. DEG. C	TIDE		PRECIPITATION-INCHES			DAY OF SAMPLE	WEATHER
		TOP	5FT.	BOT.			HIGH	LCW	2DAYS BEFORE	1DAY BEFORE	FREEPORT		
100774	1230	15.0	14.6	14.3	NW10	21.1	1204	529	0.0	0.0	0.0	1	
51475	1100	13.5	13.5	11.9	NW 3	19.0	1022	1602	0.0	0.77	0.0	1	
61975	1050	21.3	21.2	21.1	NW 5	22.0	1648	1021	0.0	0.0	0.34	1	
71075	1050	21.8			Sk 5	32.0	900	1501	0.0	0.0	0.0	2	
AVG.		17.9	16.4	15.8		23.5							

WEATHER 1=FAIR, 2=CLOUDY, 3=RAIN, 4=SNOW

ALL ZERO VALUES NO DATA, AND NOT CCUNTED IN AVG. EXCEPT FOR TEMPERATURES

ALL READINGS ARE IN MG/L UNLESS OTHERWISE NOTED

NASSAU COUNTY SURFACE WATER SAMPLING DATA CHEMICAL RESULTS
 ATLANTIC OCEAN WEST AREA NO. 1
 POINT NO. 403.0

DATE	TIME	PH	ALK.		SUS. SOLIDS	CHLO- RIDES	TOP	D.D.		DAY	SECCHI		NITROGEN AS N			PO4 AS P		SALINITY 0/00			CHLORO- TURB PYLL
			P	T				5FT.	BOT.		#	800	FT.	NH3	NO2	NO3	ORTHO	TOT.	TOP	5FT.	
100714	1155	8.1	0	0	23	18200	9.8	9.8	9.4	8	3	0.0	0.07	0.019	0.13	0.06	0.08	32.9	32.9	33.4	4
51475	1035	8.2	0	0	7	18000	10.6	10.2	10.6	5	2	10.5	10.02	0.003	10.05	0.03	0.04	32.8	32.8	32.9	6
61575	1025	8.2	0	0	32	18000	8.6	8.6	6.8	6	3	5.0	0.14	10.001	10.05	0.03	0.04	31.1	31.4	31.6	5
71075	1029	8.2	0	0	36	18400	8.6	8.2	7.6	5	2	0.0	0.01	0.008	0.01	0.05	0.08	33.2	33.2	33.2	3
AVG.		8.2	0	0	25	18150	9.4	9.2	8.6	3	7.8	0.06	0.008	0.06	0.04	0.06	0.06	32.5	32.6	32.8	5

L=LESS THAN, G=GREATER THAN, E=EQUAL TO

ALL ZERO VALUES NO DATA, AND NOT COUNTED IN AVG. EXCEPT FOR TEMPERATURES

ALL READINGS ARE IN MG/L UNLESS OTHERWISE NOTED

METEOROLOGICAL DATA FOR
ATLANTIC OCEAN WEST AREA NO. 1
POINT NO. 403.0

DATE	TIME	WATER				WIND	AIR TEMP. DEG.C	TIDE		PRECIPITATION-INCHES			WEATHER
		TEMPURE DEG. C	TOP	5FT.	ROT.			HIGH	LOW	2DAYS BEFORE	1DAY BEFORE	DAY OF SAMPLE	
100774	1155	14.8	14.6	14.4	NW	10	21.1	1204	529	0.0	0.0	0.0	1
51475	1035	13.5	13.2	12.4	NW	3	19.0	1022	1602	0.0	0.77	0.0	1
61975	1025	20.1	19.4	16.4	NW	3	22.0	1648	1021	0.0	0.0	0.34	1
71075	1029	22.5	22.5	21.2	SW	5	32.0	900	1501	0.0	0.0	0.0	2

AVG. 17.7 17.4 16.1 23.5

WEATHER 1=FAIR, 2=CLOUDY, 3=RAIN, 4=SACK

ALL ZERO VALUES NO DATA, AND NOT COUNTED IN AVG. EXCEPT FOR TEMPERATURES

ALL READINGS ARE IN MG/L UNLESS OTHERWISE NOTED

NASSAU COUNTY SURFACE WATER SAMPLING DATA CHEMICAL RESULTS
 ATLANTIC OCEAN WEST AREA NO. 1
 POINT NO. 405.0

DATE	TIME	PH	ALK.		SUS. SOLIDS	CHLO- RIDES	D.O.		DAY	SECCHI FT.	NITROGEN AS N			PO4 AS P		SALINITY 0/00			CHLORO- TURB PYLL		
			P	T			5FT.	8FT.			NH3	NO2	NO3	ORTHO	TOT.	TOP 5FT.	8FT.	10FT.			
100774	1115	7.5	0	0	33	18600	7.8	7.8	7.8	8	3	0.0	0.07	0.020	0.13	0.06	0.09	33.8	33.7	33.8	4
51475	1015	8.3	0	0	18	18600	9.0	8.8	9.4	5	3	7.0	0.15	0.009	10.05	0.04	0.07	33.2	33.6	33.4	5
61975	1005	8.2	0	0	0	17600	8.8	8.2	8.0	6	2	6.0	0.14	0.001	10.05	0.03	0.03	31.2	32.3	33.3	4
71075	1010	8.0	0	0	36	18000	7.4	7.8	7.0	5	3	8.0	0.01	0.008	0.02	0.09	0.13	33.2	33.2	33.2	4
AVG.		8.0	0	0	29	18200	8.2	8.1	8.0	3	7.0	0.09	0.009	0.06	0.05	0.08	32.8	33.2	33.4	4	

L=LESS THAN, G=GREATER THAN, E=EQUAL TO

ALL ZERO VALUES NO DATA, AND NOT COUNTED IN AVG. EXCEPT FOR TEMPERATURES

ALL READINGS ARE IN MG/L UNLESS OTHERWISE NOTED

METECROLOGICAL DATA FOR
ATLANTIC OCEAN WEST AREA NO. 1
POINT NO. 405.0

DATE	TIME	WATER TEMPTURE DEG. C				WIND	AIR TEMP. DEG. C	TIDE		PRECIPITATION-INCHES FREEPORT			WEATHER
		TOP	5FT.	BOT.				HIGH	LOW	2DAYS BEFORE	1DAY BEFORE	DAY OF SAMPLE	
100774	1115	14.4	14.3	14.3	NW	10	21.1	1204	529	0.0	0.0	0.0	1
51475	1015	14.3	13.6	12.4	NW	3	19.0	1022	1602	0.0	0.77	0.0	1
61975	1005	20.1	18.2	17.1	NW	3	22.0	1648	1021	0.0	0.0	0.34	1
71075	1010	22.2	22.1	22.5	SW	5	32.0	900	1501	0.0	0.0	0.0	2

AVG. 17.7 17.0 16.6 23.5

WEATHER 1=FAIR, 2=CLCUDY, 3=RAIN, 4=SNOW

ALL ZERO VALUES NO DATA, AND NOT COUNTED IN AVG. EXCEPT FOR TEMPERATURES

ALL READINGS ARE IN MG/L UNLESS OTHERWISE NOTED

METEOROLOGICAL DATA FOR
ATLANTIC OCEAN WEST AREA NO. 1
PCINT NO. 409.0

DATE	TIME	WATER TEMPERATURE DEG. C				WIND	AIR TEMP. DEG. C	TIDE		PRECIPITATION-INCHES			DAY OF SAMPLE WEATHER
		TOP	5FT.	BOT.				HIGH	LOW	2DAYS BEFORE	1DAY BEFORE	DAY OF	
100774	1025	14.9	14.8	14.8	NW10	21.1	1204	529	0.0	0.0	0.0	1	
51475	950	13.9	12.8	12.4	NW 3	19.0	1022	1602	0.0	0.77	0.0	1	
61975	945	18.9	17.3	15.8	NW 3	22.0	1648	1021	0.0	0.0	0.34	1	
71075	938	21.0	20.9	19.7	SW 5	32.0	900	1501	0.0	0.0	0.0	2	
AVG.		17.2	16.4	15.7		23.5							

WEATHER 1=FAIR, 2=CLCUDY, 3=RAIN, 4=SNOW

ALL ZERO VALUES NO DATA, AND NOT COUNTED IN AVG. EXCEPT FOR TEMPERATURES

ALL READINGS ARE IN MG/L UNLESS OTHERWISE NOTED

JCHN C. DECKLER BUREAU OF WATER POLLUTION CONTROL

NASSAU COUNTY SURFACE WATER SAMPLING DATA CHEMICAL RESULTS
ATLANTIC OCEAN EAST AREA NO. 2
PCINT NO. 401.0

DATE	TIME	ALK.		SUS.		CHLO-		D.O.		DAY	SECCHI	NITROGEN AS N			PO4 AS P		SALINITY 0/00			CHLORO-	
		P	T	SOLIDS	RIDES	TOP	5FT.	BOT.	* BOD			FT.	NH3	NO2	NO3	ORTHO	TOT.	TOP	5FT.		BOT.
101574	930	8.5	17	109	19	18000	8.6	8.6	8.0	6	2	0.0	LO.02	0.006	LO.05	0.03	0.07	33.3	33.3	33.6	8
50675	918	8.0	0	0	28	18200	8.6	9.4	8.8	6	3	5.0	0.16	0.011	0.05	0.07	0.11	33.8	34.0	34.0	4
62675	1120	8.1	0	0	29	17600	8.8	8.8	8.2	5	2	6.0	LO.C1	LO.C01	LO.C1	0.03	0.06	32.8	33.8	32.9	5
73175	657	8.0	0	0	54	18000	7.2	7.0	7.2	5	1	6.5	0.02	0.011	0.07	0.05	0.08	32.9	32.9	33.1	1
81975	900	7.9	0	0	41	18400	6.8	6.8	7.0	6	2	9.0	0.10	0.008	LO.01	0.04	0.05	33.5	32.9	32.0	3
AVG.		8.1	17	109	34	18040	8.0	8.1	7.8		2	6.6	0.06	0.007	0.04	0.04	0.07	33.3	33.4	33.1	4

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