

W/HR 9-26-78
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IMPINGEMENT MONITORING PROGRAM

REPORT NO. 17 - AUGUST, 1978

SALEM NUCLEAR GENERATING STATION
UNIT NO. 1

DOCKET NO. 50-272
OPERATING LICENSE NO. DPR-70

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
NEWARK, NEW JERSEY
SEPTEMBER 20, 1978

SUMMARY

This is the seventeenth monthly impingement monitoring program report required by Section 3.1.2.2 of the Environmental Technical Specifications (ETS). The ETS are Appendix B of the Salem Nuclear Generating Station (SNGS) Operating License No. DPR-70. The tabular summaries attached include daily estimates of the number and weight of fish impinged on the Circulating Water System (CWS) traveling screens (Table 2) and the Service Water System (SWS) traveling screens (Table 3). CWS operation is also summarized (Table 1).

The monitoring program required by the ETS at both the CWS and SWS consisted of three 24-hour sampling periods per week. The CWS screens were sampled four times per 24-hour period at approximately six-hour intervals. Samples were collected by diverting approximately three minutes of screen wash water to the counting pools located on the north and south ends of the CWS intake structure. Survival rates were calculated for CWS samples only. SWS screen samples consisted of either one 24-hour or two 12-hour samples per day. These samples consisted of all fish impinged and found in the trash baskets located on the intake structure proper.

On June 19, 1978 large numbers of juvenile (age 0+) weakfish (Cynoscion regalis), were first taken at the CWS intake. In response to these large numbers, additional impingement samples were collected to supplement those required by the ETS. The data from these non-ETS samples were incorporated into Table 2. There is an inherent bias in computing a straight mean estimated number per 24-hours because samples were taken at non-uniform intervals. A revised computational technique which provides a more representative estimate of the total number of weakfish impinged per 24-hours (or fractional portion) by factoring the time interval between samples into the estimation procedure is now being used in Table 2. The estimate is based on a calendar day instead of an ETS sampling day. Survival estimates are weighted by actual number of weakfish impinged. This revised technique replaced the original estimation technique in previous monthly reports.

Weakfish Population Estimates

In order to estimate the population of juvenile weakfish in the lower Delaware River, four population surveys were undertaken on July 20-21, August 2-3, 1978, August 16-17 and September 7-8, 1978. The river was divided into three regions for these surveys:

South region - river mile 0 to 40
Plant (study area) region - river mile 40 to 60
North region - river mile 60 to 73

The weakfish population estimates for the four surveys were:

<u>Region</u>	<u>July 20-21</u>	<u>Aug 2-3</u>	<u>Aug 16-17</u>	<u>Sept 7-8</u>
South	696,000,000	173,000,000	172,000,000	149,000,000
Plant (study area)	83,000,000	32,000,000	42,000,000	16,000,000
North	8,000,000	9,000,000	1,000,000	3,000,000
<hr/>				
Total	787,000,000	214,000,000	215,000,000	168,000,000

These estimates were obtained by bottom trawling with a nylon 4.9-meter semi-balloon otter trawl with 3.8-cm stretch body mesh and 3.2-cm stretch cod-end mesh fitted with a 1.3-cm stretch inner liner mesh. Fixed distance trawls were taken in the three regions using a simple random sampling design. A total of 185, 88 and 20 grids were established for the south, plant and north regions, respectively. A total of 79, 39 and 9 samples were taken, respectively in each region. The total area of each region was computed as was the total number of possible trawls in each region to obtain complete bottom coverage.

The population estimate were calculated as follows:

$$\text{Population Estimate}_1 = C \cdot \bar{X} \cdot \text{Eff} \cdot \text{Den}$$

where:

C = Total area of region/area covered by a standard trawl haul

X = Total number of specimens taken/total number of hauls in region

Eff = 4; The gear efficiency of a 4.9 meter otter trawl for juvenile spot and Atlantic croaker has been reported as 6 and 25%, respectively (Loesh, 1976). It is assumed that for weakfish a 25% gear efficiency is reasonable, resulting in a multiplier of 4 for gear efficiency.

Den = 3; Weakfish are semi-demersal and it is assumed that all are concentrated in the bottom 2-meters of the water column since the bottom trawl has a height of 0.67-meters. (person. comm: S. Marinovich, 1978). A multiplier of 3 for gear coverage was used.

Bay population estimates were also calculated for June 21 and July 4, 1978 utilizing trawl data collected from the regular ETS monitoring program within the plant area only. Based on the assumptions that (1) the population of weakfish estimated from July 20-21 and August 2-3 trawl samples bore the same relationship to trawl samples on June 21 and July 5 and (2) the relative distribution between the Plant region, and the North and South regions remained the same among all four dates. The estimated population could be calculated using:

$$\text{Population Estimate}_2 = C \cdot \bar{X} \cdot \text{Eff} \cdot \text{Den. Reg}$$

where:

Reg = 10; assume that the plant region sampled June 21 and July 5 represented approximately 10% of the entire bay wide area monitored on July 20-21 and August 2-3.

The resulting Bay population based on Population Estimate 2 would be:

	<u>June 21</u>	<u>July 5</u>
Total	1,240,000,000	546,000,000

Comparison of bay wide population estimates and impingement levels provides the following:

<u>Date</u>	<u>Daily Estimated Number Impinged</u>	<u>Plant (Study) Area Population Estimate</u>	<u>Bay Wide Population Estimate</u>	<u>% Weakfish Plant (Study) Area Impinged</u>	<u>% Weakfish In Bay Area Impinged</u>
June 21	6.7×10^3	1.2×10^8	1.2×10^9	0.006	0.0006
July 5	4.3×10^5	5.5×10^7	5.5×10^8	0.8	0.08
July 20-21	3.3×10^4	8.3×10^7	7.9×10^8	0.04	0.004
Aug 2-3	1.5×10^4	3.2×10^7	2.1×10^8	0.05	0.007
Aug 16-17	2.2×10^4	4.2×10^7	2.2×10^8	0.05	0.01
Sept 7-8	1.1×10^4	1.6×10^7	1.7×10^8	0.07	0.006

Between July 20-21 and September 7-8 the weakfish population in the study region decreased from 7.9×10^8 to 1.7×10^8 . During the same period it was estimated that SNGS impinged a total of 1.2×10^6 weakfish. Since it has been demonstrated that the daily weighted survival ranged from 45 to 96% with a weighted mean of 74%, the impact of impingement on the weakfish population contributed to less than 0.05% of the observed population decrease.

All available data on population size and impingement number and survival indicate that impingement losses at SNGS did not constitute a significant impact on the 1978 year class of juvenile (0+) weakfish.

TABLE 1. - START TIME AND DURATION OF IMPINGEMENT SAMPLES AT THE CIRCULATING WATER INTAKE, S.R.G.S. UNITS 1 AND 2
 1 AUGUST THROUGH 31 AUGUST 1978. DETRITUS WEIGHT (KG/MIN), WATER TEMPERATURE (C), PUMPS IN OPERATION
 AND SCREEN SPEEDS ARE INDICATED (0=OFF, *=ON, 1=5 FT/MIN, 2=10 FT/MIN, 3=15 FT/MIN, 4=20 FT/MIN).

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2
						3	3	2	2	1	1	1	1	2	2	3	3			
						B	A	B	A	B	A	B	A	B	A	B	A	B		
08/01/78	0000	3	4.50	26.3	PUMPS (4)	0	*	0	*	*	*	*	*	*	*	*	*	*	*	*
					SCREENS (5)	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
08/01/78	0300	1	19.40	25.7	PUMPS (4)	0	*	0	*	*	*	*	*	*	*	*	*	*	*	*
					SCREENS (5)	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
08/01/78	0600	3	2.53	25.9	PUMPS (4)	*	0	0	*	*	*	*	*	*	*	*	*	*	*	*
					SCREENS (5)	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
08/02/78	0910	1	1.30	22.0	PUMPS (6)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
					SCREENS (6)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
08/02/78	1035	1	0.00	25.8	PUMPS (6)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
					SCREENS (6)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
08/02/78	1200	3	0.40	26.0	PUMPS (6)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
					SCREENS (6)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
08/02/78	1345	1	0.80	26.0	PUMPS (6)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
					SCREENS (6)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
08/02/78	1520	1	22.10	26.0	PUMPS (6)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
					SCREENS (6)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
08/02/78	1800	3	1.06	26.0	PUMPS (6)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
					SCREENS (6)	1	1	1	1	1	1	3	0	0	0	0	0	0	0	0
08/02/78	2130	1	2.70	25.9	PUMPS (6)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
					SCREENS (6)	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
08/02/78	2230	1	3.00	25.9	PUMPS (6)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
					SCREENS (6)	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
08/03/78	0000	3	1.83	26.0	PUMPS (6)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
					SCREENS (6)	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
08/03/78	0300	1	11.50	26.0	PUMPS (5)	*	0	*	*	*	*	*	*	*	*	*	*	*	*	*
					SCREENS (5)	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0
08/03/78	0400	1	6.80	25.8	PUMPS (5)	*	0	*	*	*	*	*	*	*	*	*	*	*	*	*
					SCREENS (5)	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0

IMPINGEMENT MONITORING PROGRAM
 SALEM NUCLEAR GENERATING STATION UNIT 1
 PSE&G, NEWARK, N.J.

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1 3	1 3	1 2	1 2	1 1	1 1	1 1	2 1	2 1	2 1	2 2	2 2	2 2	2 3	2 3
08/03/78	0600	3	8.16	25.5	PUMPS (5) * 0 * * * * 0 0 0 0 0 0 0															
					SCREENS (5) 1 0 1 1 1 1 0 0 0 0 0 0 0															
08/03/78	0910	1	0.82	26.1	PUMPS (5) * 0 * * * * 0 0 0 0 0 0 0															
					SCREENS (6) 1 1 1 1 1 1 0 0 0 0 0 0 0															
08/03/78	1020	1	1.20	26.2	PUMPS (5) * 0 * * * * 0 0 0 0 0 0 0															
					SCREENS (5) 1 0 1 1 1 1 0 0 0 0 0 0 0															
08/03/78	1120	1	1.70	26.4	PUMPS (5) * 0 * * * * 0 0 0 0 0 0 0															
					SCREENS (5) 1 0 1 1 1 1 0 0 0 0 0 0 0															
08/03/78	1200	3	0.33	26.8	PUMPS (5) * 0 * * * * 0 0 0 0 0 0 0															
					SCREENS (5) 1 0 1 1 1 1 0 0 0 0 0 0 0															
08/03/78	1300	1	1.40	27.3	PUMPS (5) * 0 * * * * 0 0 0 0 0 0 0															
					SCREENS (5) 1 0 1 1 1 1 0 0 0 0 0 0 0															
08/03/78	1420	1	3.40	26.9	PUMPS (5) * 0 * * * * 0 0 0 0 0 0 0															
					SCREENS (4) 1 0 1 1 0 1 0 0 0 0 0 0 0															
08/03/78	1800	3	1.30	27.1	PUMPS (5) * 0 * * * * 0 0 0 0 0 0 0															
					SCREENS (5) 1 0 1 1 1 1 0 0 0 0 0 0 0															
08/03/78	2100	1	1.00	27.0	PUMPS (5) * 0 * * * * 0 0 0 0 0 0 0															
					SCREENS (5) 1 0 1 1 1 1 0 0 0 0 0 0 0															
08/03/78	2230	1	1.00	27.0	PUMPS (6) * * * * * 0 0 0 0 0 0 0															
					SCREENS (6) 1 1 1 1 1 1 0 0 0 0 0 0 0															
08/04/78	0000	3	0.33	27.1	PUMPS (5) * * 0 * * * 0 0 0 0 0 0 0															
					SCREENS (5) 1 1 0 1 1 1 0 0 0 0 0 0 0															
08/04/78	0330	1	5.00	26.7	PUMPS (4) * 0 * 0 * * 0 0 0 0 0 0 0															
					SCREENS (6) 1 1 1 1 1 1 0 0 0 0 0 0 0															
08/04/78	0600	3	8.33	26.5	PUMPS (5) * 0 * * * * 0 0 0 0 0 0 0															
					SCREENS (6) 1 1 1 3 1 1 0 0 0 0 0 0 0															
08/04/78	1000	1	0.00	26.2	PUMPS (5) * 0 * * * * 0 0 0 0 0 0 0															
					SCREENS (6) 1 1 1 1 1 1 0 0 0 0 0 0 0															

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SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE DAYS	1 3 B	1 3 A	1 2 B	1 2 A	1 1 A	1 1 A	2 1 A	2 1 A	2 2 B	2 2 B	2 2 B	2 2 B	2 3 B	2 3 B
08/04/78	1130	1	0.00	26.7	PUMPS (5)	*	0	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0
08/04/78	1345	1	0.00	26.6	PUMPS (5)	*	0	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0
08/04/78	1440	1	0.00	26.9	PUMPS (5)	*	0	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0
08/04/78	1640	1	0.00	26.9	PUMPS (5)	*	0	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0
08/04/78	1800	1	0.00	26.8	PUMPS (5)	*	0	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0
08/04/78	1910	1	0.00	26.6	PUMPS (5)	*	0	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0
08/04/78	2115	1	0.00	26.2	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0
08/04/78	2240	1	0.00	26.2	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0
08/05/78	0000	1	0.00	26.0	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0
08/05/78	0130	1	0.00	25.5	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0
08/05/78	0330	1	0.00	25.2	PUMPS (5)	*	0	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0
08/05/78	0530	1	0.00	25.1	PUMPS (5)	*	0	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	2	1	1	1	1	1	0	0	0	0	0	0	0	0
08/05/78	0730	1	0.00	25.8	PUMPS (5)	*	0	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	2	1	1	1	1	1	0	0	0	0	0	0	0	0
08/05/78	0915	1	0.00	26.0	PUMPS (5)	*	0	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (5)	1	0	1	1	1	2	0	0	0	0	0	0	0	0

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 1. - (CONTINUED).

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1	1	1	1	1	1	2	2	2	2	2	2	2	2
						3	3	2	2	1	1	1	1	2	2	3	3		
						B	A	B	A	B	A	B	A	B	A	B	A	B	B
08/05/78	1115	1	0.00	26.0	PUMPS (5)	*	0	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (5)	1	0	1	1	1	1	0	0	0	0	0	0	0	0
08/05/78	1315	1	0.00	26.5	PUMPS (5)	*	0	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (5)	1	0	1	1	1	1	0	0	0	0	0	0	0	0
08/05/78	1445	1	0.00	26.9	PUMPS (4)	*	0	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0
08/05/78	1630	1	0.00	27.0	PUMPS (5)	*	*	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0
08/05/78	1835	1	0.00	27.0	PUMPS (4)	*	0	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (5)	1	0	1	1	1	1	0	0	0	0	0	0	0	0
08/05/78	2100	1	0.00	26.8	PUMPS (4)	*	0	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	2	2	2	2	2	2	0	0	0	0	0	0	0	0
08/05/78	2230	1	0.00	26.8	PUMPS (4)	*	0	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0
08/06/78	0030	1	0.00	26.2	PUMPS (4)	*	0	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0
08/06/78	0230	1	0.00	26.5	PUMPS (4)	*	0	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0
08/06/78	0430	1	0.00	26.5	PUMPS (4)	*	0	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0
08/06/78	0735	1	0.00	26.1	PUMPS (5)	*	0	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0
08/06/78	0925	1	0.00	26.2	PUMPS (5)	*	0	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (5)	1	0	1	1	1	1	0	0	0	0	0	0	0	0
08/06/78	1030	1	0.00	26.8	PUMPS (5)	*	0	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (5)	1	0	1	1	1	1	0	0	0	0	0	0	0	0
08/06/78	1135	1	0.00	26.9	PUMPS (5)	*	0	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (5)	1	0	1	1	1	1	0	0	0	0	0	0	0	0

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 1. - (CONTINUED)

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1	1	1	1	1	1	2	2	2	2	2	2
						3	3	2	2	1	1	1	1	2	2	3	3
						B	A	B	A	B	A	B	A	B	A	B	A
08/06/78	1335	1	0.00	26.8	PUMPS (5)	*	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (5)	1	0	1	1	1	1	0	0	0	0	0	0
08/06/78	1510	1	0.00	27.3	PUMPS (5)	*	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (5)	1	0	1	1	1	1	0	0	0	0	0	0
08/06/78	1630	1	0.00	27.3	PUMPS (5)	*	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0
08/06/78	1810	1	0.00	27.0	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0
08/06/78	1940	1	0.00	27.0	PUMPS (5)	*	*	*	0	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0
08/06/78	2100	1	0.00	26.9	PUMPS (5)	*	*	*	0	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0
08/06/78	2330	1	0.00	26.5	PUMPS (5)	*	*	*	0	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0
08/07/78	0050	1	0.00	26.5	PUMPS (5)	*	*	*	0	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0
08/07/78	0200	1	0.00	26.2	PUMPS (5)	*	*	*	0	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0
08/07/78	0330	1	0.00	26.0	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0
08/07/78	0530	1	0.00	26.0	PUMPS (5)	*	*	*	0	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0
08/07/78	0620	1	0.00	26.2	PUMPS (5)	*	*	*	0	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0
08/07/78	0915	1	0.50	24.4	PUMPS (5)	*	*	*	0	*	*	0	0	0	0	0	0
					SCREENS (5)	1	1	1	0	1	1	0	0	0	0	0	0
08/07/78	1030	1	600.00	24.4	PUMPS (5)	*	*	*	0	*	*	0	0	0	0	0	0
					SCREENS (5)	1	1	1	0	1	1	0	0	0	0	0	0

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE DAYS	1	1	1	1	1	1	2	2	2	2	2	2	2
						3	3	2	2	1	1	1	1	2	2	3		
						B	A	B	A	B	A	A	B	A	B	A	B	B
08/07/78	1100	1	3.60	26.3	PUMPS (5)	*	*	*	0	*	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	0	1	1	0	0	0	0	0	0	0
08/07/78	1200	3	0.40	26.2	PUMPS (5)	*	*	*	0	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0
08/07/78	1330	1	1.00	27.2	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0
08/07/78	1500	1	0.10	27.2	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0
08/07/78	1800	3	1.20	27.3	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0
08/07/78	2200	1	0.25	26.9	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0
08/07/78	2205	1	0.25	26.9	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0
08/08/78	0000	3	0.46	26.7	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0
08/08/78	0130	1	0.50	26.2	PUMPS (5)	*	*	*	0	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0
08/08/78	0300	1	0.50	26.8	PUMPS (5)	*	*	*	0	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0
08/08/78	0430	1	1.00	27.1	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0
08/08/78	0600	3	1.33	27.0	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0
08/08/78	1045	1	0.70	27.2	PUMPS (5)	*	*	0	*	*	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	0	1	1	1	0	0	0	0	0	0	0
08/08/78	1410	1	0.50	27.5	PUMPS (5)	*	*	0	*	*	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	0	1	1	1	0	0	0	0	0	0	0

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 1. - (CONTINUED).

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE DAYS	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3
						B	A	B	A	B	A	A	B	A	B	A	B	A	B	
08/08/78	1500	1	0.50	27.5	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0	0	
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0	
08/08/78	1550	1	0.30	27.8	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0	0	
					SCREENS (6)	1	1	2	1	1	1	0	0	0	0	0	0	0	0	
08/08/78	1751	1	0.80	27.8	PUMPS (5)	*	*	*	0	*	*	0	0	0	0	0	0	0	0	
					SCREENS (5)	1	1	1	0	1	1	0	0	0	0	0	0	0	0	
08/08/78	1850	1	0.90	27.8	PUMPS (5)	*	*	*	0	*	*	0	0	0	0	0	0	0	0	
					SCREENS (5)	1	1	1	0	1	1	0	0	0	0	0	0	0	0	
08/08/78	2010	1	1.80	27.8	PUMPS (5)	*	*	*	0	*	*	0	0	0	0	0	0	0	0	
					SCREENS (5)	1	1	1	0	1	1	0	0	0	0	0	0	0	0	
08/08/78	2115	1	0.00	27.6	PUMPS (5)	*	*	*	0	*	*	0	0	0	0	0	0	0	0	
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0	
08/08/78	2230	1	0.00	27.7	PUMPS (5)	*	*	*	0	*	*	0	0	0	0	0	0	0	0	
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0	
08/09/78	0010	1	0.00	27.4	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0	0	
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0	
08/09/78	0140	1	0.00	26.9	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0	0	
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0	
08/09/78	0240	1	0.00	27.1	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0	0	
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0	
08/09/78	0355	1	0.00	27.1	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0	0	
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0	
08/09/78	0555	1	0.00	26.8	PUMPS (5)	*	*	*	0	*	*	0	0	0	0	0	0	0	0	
					SCREENS (6)	2	2	2	2	2	2	0	0	0	0	0	0	0	0	
08/09/78	0700	1	0.00	26.7	PUMPS (5)	*	*	*	0	*	*	0	0	0	0	0	0	0	0	
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0	
08/09/78	1000	1	5.30	26.8	PUMPS (5)	0	*	*	*	*	*	0	0	0	0	0	0	0	0	
					SCREENS (6)	3	2	1	1	1	1	0	0	0	0	0	0	0	0	

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 1. - (CONTINUED).

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1 3 B	1 3 A	1 2 B	1 2 A	1 1 A	1 1 B	2 1 A	2 1 B	2 2 A	2 2 B	2 2 A	2 3 B	2 3 A
08/09/78	1100	1	0.40	27.0	PUMPS (5)	0	*	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (5)	0	1	1	1	1	1	0	0	0	0	0	0	0
08/09/78	1200	3	1.06	27.5	PUMPS (5)	0	*	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (5)	0	1	1	1	1	1	0	0	0	0	0	0	0
08/09/78	1330	1	0.50	28.1	PUMPS (5)	0	*	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (5)	0	1	1	1	1	1	0	0	0	0	0	0	0
08/09/78	1430	1	1.00	27.9	PUMPS (5)	0	*	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (5)	0	1	1	1	1	1	0	0	0	0	0	0	0
08/09/78	1515	1	0.25	28.1	PUMPS (5)	0	*	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (5)	0	1	1	1	1	1	0	0	0	0	0	0	0
08/09/78	1800	3	1.90	28.8	PUMPS (5)	*	*	*	0	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	4	1	0	0	0	0	0	0	0
08/09/78	2100	1	6.10	27.7	PUMPS (5)	*	*	*	0	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	0	1	1	0	0	0	0	0	0	0
08/09/78	2230	1	3.60	27.5	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0
08/10/78	0000	3	0.96	27.0	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0
08/10/78	0130	1	1.10	27.0	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0
08/10/78	0300	1	0.25	27.0	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	2	2	1	1	2	0	0	0	0	0	0	0
08/10/78	0600	3	2.70	26.7	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0
08/10/78	0915	1	4.20	26.0	PUMPS (5)	*	*	*	0	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0
08/10/78	1200	3	0.73	27.0	PUMPS (5)	*	*	*	0	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 1. - (CONTINUED).

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1 3 B	1 3 A	1 2 B	1 1 A	1 1 A	1 2 A	2 2 B	2 2 B	2 2 B	2 2 B	2 3 B	2 3 B
08/10/78	1305	1	0.30	27.5	PUMPS (5) * * * 0 * * 0 0 0 0 0 0	*	*	*	0	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1 1 0 0 0 0 0 0	1	1	1	1	1	1	0	0	0	0	0	0
08/10/78	1400	1	0.10	27.8	PUMPS (6) * * * * * 0 0 0 0 0 0	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1 1 0 0 0 0 0 0	1	1	1	1	1	1	0	0	0	0	0	0
08/10/78	1500	1	0.18	27.6	PUMPS (5) * * * 0 * * 0 0 0 0 0 0	*	*	*	0	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1 1 0 0 0 0 0 0	1	1	1	1	1	1	0	0	0	0	0	0
08/10/78	1601	1	0.10	27.7	PUMPS (6) * * * * * 0 0 0 0 0 0	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1 1 0 0 0 0 0 0	1	1	1	1	1	1	0	0	0	0	0	0
08/10/78	1800	3	1.90	28.0	PUMPS (5) * * * 0 * * 0 0 0 0 0 0	*	*	*	0	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1 1 0 0 0 0 0 0	1	1	1	1	1	1	0	0	0	0	0	0
08/10/78	2100	1	5.50	27.2	PUMPS (5) * * * * * 0 0 0 0 0 0	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1 1 0 0 0 0 0 0	1	1	1	1	1	1	0	0	0	0	0	0
08/10/78	2230	1	3.20	27.2	PUMPS (5) * * * * * 0 0 0 0 0 0	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (5) 1 1 1 1 1 0 0 0 0 0 0	1	1	1	1	1	1	0	0	0	0	0	0
08/11/78	0000	3	0.86	27.2	PUMPS (5) * * * * * 0 0 0 0 0 0	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1 0 0 0 0 0 0	1	1	1	1	1	1	0	0	0	0	0	0
08/11/78	0130	1	0.50	27.2	PUMPS (5) * * * 0 * * 0 0 0 0 0 0	*	*	*	0	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 0 1 1 0 0 0 0 0 0	1	1	1	0	1	1	0	0	0	0	0	0
08/11/78	0300	1	0.30	26.9	PUMPS (5) * * * 0 * * 0 0 0 0 0 0	*	*	*	0	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 0 1 1 0 0 0 0 0 0	1	1	1	0	1	1	0	0	0	0	0	0
08/11/78	0430	1	0.20	26.7	PUMPS (5) * * * 0 * * 0 0 0 0 0 0	*	*	*	0	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 0 1 1 0 0 0 0 0 0	1	1	1	0	1	1	0	0	0	0	0	0
08/11/78	0600	3	2.10	26.3	PUMPS (5) * * * 0 * * 0 0 0 0 0 0	*	*	*	0	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 0 1 1 0 0 0 0 0 0	1	1	1	0	1	1	0	0	0	0	0	0
08/11/78	0930	1	1.00	27.0	PUMPS (6) * * * * * 0 0 0 0 0 0	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1 1 0 0 0 0 0 0	1	1	1	1	1	1	0	0	0	0	0	0
08/11/78	1045	1	1.50	27.5	PUMPS (6) * * * * * 0 0 0 0 0 0	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1 1 0 0 0 0 0 0	1	1	1	1	1	1	0	0	0	0	0	0

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 1. - (CONTINUED).

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1 3 B	1 3 B	1 2 A	1 2 A	1 1 B	1 1 A	2 2 B	2 2 A	2 2 B	2 2 A	2 3 B	2 3 A
08/11/78	1215	1	1.10	28.0	PUMPS (6) * * * * *	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	1	1	1	1	1	0	0	0	0	0	0
08/11/78	1230	1	1.00	28.0	PUMPS (6) * * * * *	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	1	1	1	1	1	0	0	0	0	0	0
08/11/78	1330	1	0.60	28.0	PUMPS (6) * * * * *	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	1	1	1	1	1	0	0	0	0	0	0
08/11/78	1430	1	0.80	28.2	PUMPS (6) * * * * *	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	1	1	1	1	1	0	0	0	0	0	0
08/11/78	1530	1	0.60	28.2	PUMPS (6) * * * * *	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	1	1	1	1	1	0	0	0	0	0	0
08/11/78	1630	1	1.30	27.7	PUMPS (6) * * * * *	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	1	1	1	1	1	0	0	0	0	0	0
08/11/78	1800	1	0.50	27.3	PUMPS (6) * * * * *	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	1	1	1	1	1	0	0	0	0	0	0
08/11/78	1930	1	2.60	26.8	PUMPS (6) * * * * *	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	1	1	1	1	1	0	0	0	0	0	0
08/11/78	2100	1	0.00	27.3	PUMPS (5) * * * * *	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (5) 1 1 1 1 1	1	1	1	1	1	1	0	0	0	0	0	0
08/11/78	2215	1	0.00	30.3	PUMPS (6) * * * * *	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 3	1	1	1	1	3	1	0	0	0	0	0	0
08/12/78	0000	1	0.00	28.3	PUMPS (6) * * * * *	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 1 2 1 1 1	1	2	1	1	1	1	0	0	0	0	0	0
08/12/78	0045	1	0.00	27.8	PUMPS (6) * * * * *	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	1	1	1	1	1	0	0	0	0	0	0
08/12/78	0230	1	0.00	27.3	PUMPS (6) * * * * *	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	1	1	1	1	1	0	0	0	0	0	0
08/12/78	0340	1	0.00	27.0	PUMPS (6) * * * * *	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	1	1	1	1	1	0	0	0	0	0	0

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 1. - (CONTINUED).

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1	1	1	1	1	1	2	2	2	2	2	2	2	2
						3	3	2	2	1	1	1	1	2	2	3	3		
						B	A	B	A	B	A	B	A	B	A	B	A	B	
08/12/78	0550	1	0.00	26.6	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0
08/12/78	0715	1	0.00	27.2	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0
08/12/78	0915	1	1.20	26.9	PUMPS (5)	*	*	*	*	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0	0	0
08/12/78	1015	1	1.80	27.4	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0	0	0
08/12/78	1130	1	3.30	27.5	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0	0	0
08/12/78	1245	1	1.20	28.3	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0	0	0
08/12/78	1400	1	1.60	27.4	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0	0	0
08/12/78	1515	1	1.10	27.8	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0	0	0
08/12/78	1630	1	0.40	27.5	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0
08/12/78	1754	1	0.70	27.6	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0	0
08/12/78	1924	1	0.40	27.5	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	4	1	0	0	0	0	0	0	0	0
08/12/78	2050	1	0.00	28.0	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	4	1	0	0	0	0	0	0	0	0
08/12/78	2200	1	0.00	28.1	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	4	1	0	0	0	0	0	0	0	0
08/12/78	2320	1	0.00	27.9	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	4	1	0	0	0	0	0	0	0	0

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 1. - (CONTINUED).

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1 3 B	1 3 A	1 2 B	1 2 A	1 1 B	1 1 A	2 2 B	2 2 A	2 2 B	2 2 A	2 2 B	2 2 A	2 2 B
08/13/78	0115	1	0.00	27.5	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 4 1	0	0	0	0	0	0	0	0	0	0	0	0	0
08/13/78	0215	1	0.00	27.1	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 4 1	0	0	0	0	0	0	0	0	0	0	0	0	0
08/13/78	0400	1	0.00	27.2	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 4 1	0	0	0	0	0	0	0	0	0	0	0	0	0
08/13/78	0510	1	0.00	27.1	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 4 1	0	0	0	0	0	0	0	0	0	0	0	0	0
08/13/78	0745	1	0.00	27.8	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 4 1	0	0	0	0	0	0	0	0	0	0	0	0	0
08/13/78	0900	1	0.00	27.3	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1 1	0	0	0	0	0	0	0	0	0	0	0	0	0
08/13/78	1030	1	0.00	27.5	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1 1	0	0	0	0	0	0	0	0	0	0	0	0	0
08/13/78	1200	1	0.00	28.2	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1 1	0	0	0	0	0	0	0	0	0	0	0	0	0
08/13/78	1330	1	0.00	28.2	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1 1	0	0	0	0	0	0	0	0	0	0	0	0	0
08/13/78	1500	1	0.00	28.4	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1 1	0	0	0	0	0	0	0	0	0	0	0	0	0
08/13/78	1600	1	0.00	28.5	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1 1	0	0	0	0	0	0	0	0	0	0	0	0	0
08/13/78	1800	1	0.00	28.5	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1 1	0	0	0	0	0	0	0	0	0	0	0	0	0
08/13/78	1915	1	0.00	28.2	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1 1	0	0	0	0	0	0	0	0	0	0	0	0	0
08/13/78	2050	1	0.00	28.2	PUMPS (4) 0 * * 0 * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (7) 1 1 1 1 1 1	0	0	0	0	0	0	0	0	0	0	0	0	0

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PS&G, NEWARK, N.J.

TABLE 1. - (CONTINUED).

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1 3	1 3	1 2	1 2	1 1	1 1	1 1	2 1	2 1	2 2	2 2	2 3	2 3
						B	A	B	A	B	A	B	A	B	A	B	A	B
08/13/78	2150	1	0.00	28.1	PUMPS (4)	0	*	*	0	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	1	0	0	0	0	0	0
08/13/78	2335	1	0.00	28.1	PUMPS (4)	0	*	*	0	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	1	0	0	0	0	0	0
08/14/78	0055	1	0.00	27.9	PUMPS (4)	0	*	*	0	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	1	0	0	0	0	0	0
08/14/78	0245	1	0.00	27.7	PUMPS (4)	0	*	*	0	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	1	0	0	0	0	0	0
08/14/78	0525	1	0.00	12.7	PUMPS (5)	0	*	*	*	0	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	1	0	0	0	0	0	0
08/14/78	0625	1	0.00	27.0	PUMPS (6)	*	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	3	1	1	1	0	0	0	0	0	0
08/14/78	0900	1	9.50	28.0	PUMPS (5)	*	*	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	0	1	1	1	1	0	0	0	0	0	0
08/14/78	1030	1	2.30	28.0	PUMPS (5)	*	*	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (5)	1	1	0	1	1	1	1	0	0	0	0	0	0
08/14/78	1200	3	9.00	28.5	PUMPS (5)	*	*	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (5)	1	1	0	1	1	1	1	0	0	0	0	0	0
08/14/78	1400	1	15.00	29.0	PUMPS (6)	*	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	1	0	0	0	0	0	0
08/14/78	1600	1	11.20	29.8	PUMPS (6)	*	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	1	0	0	0	0	0	0
08/14/78	1800	3	6.66	29.5	PUMPS (6)	*	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	1	0	0	0	0	0	0
08/14/78	2040	1	0.10	29.1	PUMPS (6)	*	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	1	0	0	0	0	0	0
08/14/78	2222	1	1.00	29.0	PUMPS (6)	*	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	1	0	0	0	0	0	0

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 1. - (CONTINUED).

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1 3	1 3	1 2	1 2	1 1	1 1	2 1	2 1	2 1	2 2	2 2	2 3	2 3
						B	A	B	A	B	A	B	A	B	A	B	A	B
08/15/78	0000	3	4.83	28.2	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0
08/15/78	0110	1	4.10	28.1	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0
08/15/78	0430	1	1.00	28.0	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0
08/15/78	0600	3	1.43	28.1	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0
08/15/78	0900	1	0.00	28.0	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0
08/15/78	1030	1	0.00	29.0	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0	0
08/15/78	1200	1	0.00	29.2	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0	0
08/15/78	1330	1	0.00	29.7	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0	0
08/15/78	1500	1	0.00	29.7	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0	0
08/15/78	1630	1	0.00	29.9	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0
					SCREENS (4)	1	1	0	1	0	1	0	0	0	0	0	0	0
08/15/78	1800	1	0.00	29.2	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0	0
08/15/78	1900	1	0.00	29.2	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0	0
08/15/78	2020	1	0.00	28.4	PUMPS (4)	0	*	*	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0	0
08/15/78	2145	1	0.00	27.8	PUMPS (3)	0	*	*	0	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0	0

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 1. - (CONTINUED).

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1 3 B	1 3 A	1 2 B	1 2 A	1 1 A	1 1 B	2 1 A	2 1 B	2 2 A	2 2 B	2 3 A	2 3 B
08/15/78	2305	1	0.00	27.8	PUMPS (3)	0	*	*	0	0	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0
08/16/78	0130	1	0.00	27.8	PUMPS (3)	0	*	*	0	0	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0
08/16/78	0330	1	0.00	27.6	PUMPS (3)	0	*	*	0	0	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0
08/16/78	0530	1	0.00	27.6	PUMPS (4)	0	*	*	0	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0
08/16/78	0630	1	0.00	27.3	PUMPS (4)	0	*	*	0	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0
08/16/78	0900	1	0.50	27.2	PUMPS (5)	0	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (5)	0	1	1	1	1	1	0	0	0	0	0	0
08/16/78	1000	1	0.00	27.4	PUMPS (5)	0	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (5)	0	1	1	1	1	1	0	0	0	0	0	0
08/16/78	1100	1	1.00	27.4	PUMPS (5)	0	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (5)	0	1	1	1	1	1	0	0	0	0	0	0
08/16/78	1200	3	7.13	28.0	PUMPS (5)	0	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (5)	0	1	1	1	1	1	0	0	0	0	0	0
08/16/78	1330	1	2.50	27.8	PUMPS (5)	0	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (5)	0	1	1	1	1	1	0	0	0	0	0	0
08/16/78	1400	1	2.00	27.8	PUMPS (5)	0	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (5)	0	1	1	1	1	1	0	0	0	0	0	0
08/16/78	1446	1	5.50	28.0	PUMPS (5)	0	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (5)	0	2	4	4	4	4	0	0	0	0	0	0
08/16/78	1545	1	3.00	28.2	PUMPS (5)	0	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (5)	0	2	4	4	4	4	0	0	0	0	0	0
08/16/78	1800	3	5.83	28.4	PUMPS (5)	0	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (5)	0	2	1	1	1	1	0	0	0	0	0	0

IMPINGEMENT MONITORING PROGRAM

SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 1. — (CONTINUED).

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1 3	1 3	1 2	1 2	1 1	1 1	1 1	2 2	2 2	2 3	2 3
						B	A	B	A	B	A	B	A	B	A	B
08/16/78	2100	1	0.25	28.1	PUMPS (5)	0	*	*	*	*	*	0	0	0	0	0
					SCREENS (5)	0	1	1	1	1	1	0	0	0	0	0
08/16/78	2242	1	0.50	28.3	PUMPS (5)	0	*	*	*	*	*	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0
08/17/78	0000	1	13.00	27.8	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0
08/17/78	0130	1	2.00	27.5	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0
08/17/78	0300	1	3.80	27.8	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0
08/17/78	0430	1	2.10	27.7	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0
08/17/78	0600	3	1.33	26.8	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0
08/17/78	0900	1	0.50	27.4	PUMPS (5)	*	*	*	*	*	*	0	0	0	0	0
					SCREENS (5)	1	1	1	1	1	1	0	0	0	0	0
08/17/78	1000	1	0.50	27.8	PUMPS (4)	*	0	*	*	*	*	0	0	0	0	0
					SCREENS (4)	1	0	1	1	1	1	0	0	0	0	0
08/17/78	1100	1	0.50	27.6	PUMPS (4)	*	0	*	*	*	*	0	0	0	0	0
					SCREENS (4)	1	0	1	1	1	1	0	0	0	0	0
08/17/78	1205	3	10.33	27.8	PUMPS (4)	*	0	*	*	*	*	0	0	0	0	0
					SCREENS (4)	2	0	1	1	1	1	0	0	0	0	0
08/17/78	1415	1	0.50	27.6	PUMPS (4)	*	0	*	*	*	*	0	0	0	0	0
					SCREENS (5)	1	0	1	1	1	1	0	0	0	0	0
08/17/78	1600	1	5.60	28.4	PUMPS (5)	*	*	*	*	*	*	0	0	0	0	0
					SCREENS (5)	1	1	1	1	1	1	0	0	0	0	0
08/17/78	1800	3	-0.93	28.2	PUMPS (5)	*	*	*	*	*	*	0	0	0	0	0
					SCREENS (5)	1	1	1	1	1	1	0	0	0	0	0

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 1. - (CONTINUED).

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1 3 B	1 3 A	1 2 B	1 2 A	1 1 B	1 1 A	2 1 B	2 1 A	2 2 B	2 2 A	2 2 B	2 2 A	2 3 B	2 3 A
08/17/78	2100	1	0.50	27.7	PUMPS (5) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/17/78	2215	1	0.50	28.0	SCREENS (5) 1 1 1 1 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/18/78	0000	3	0.33	27.3	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/18/78	0205	1	5.20	27.5	SCREENS (6) 1 1 1 1 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/18/78	0400	1	3.00	26.8	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/18/78	0600	3	2.50	27.0	SCREENS (6) 1 1 1 1 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/18/78	0900	1	0.00	27.5	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/18/78	1030	1	0.00	27.8	SCREENS (5) 0 1 1 1 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/18/78	1200	1	0.00	27.8	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/18/78	1330	1	0.00	27.9	SCREENS (6) 1 1 1 1 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/18/78	1500	1	0.00	27.5	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/18/78	1630	1	0.00	27.5	SCREENS (6) 1 1 1 1 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/18/78	1800	1	0.00	27.5	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/18/78	1915	1	0.00	27.3	SCREENS (6) 1 1 1 1 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 1. - (CONTINUED).

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1 3 B	1 3 B	1 2 A	1 2 A	1 1 B	1 1 A	2 1 A	2 1 B	2 2 A	2 2 B	2 2 A	2 3 B	2 3 B
08/18/78	2100	1	0.00	28.0	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	0	0	0	0	0	0	0	0	0	0	0	0
08/18/78	2230	1	0.00	27.8	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	0	0	0	0	0	0	0	0	0	0	0	0
08/19/78	0010	1	0.00	27.5	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	0	0	0	0	0	0	0	0	0	0	0	0
08/19/78	0200	1	0.00	27.7	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	0	0	0	0	0	0	0	0	0	0	0	0
08/19/78	0400	1	0.00	27.6	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	0	0	0	0	0	0	0	0	0	0	0	0
08/19/78	0600	1	0.00	27.6	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	0	0	0	0	0	0	0	0	0	0	0	0
08/19/78	0900	1	0.00	27.5	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	0	0	0	0	0	0	0	0	0	0	0	0
08/19/78	1030	1	0.00	28.0	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	0	0	0	0	0	0	0	0	0	0	0	0
08/19/78	1200	1	0.00	28.0	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (5) 1 1 0 1 1	1	0	0	0	0	0	0	0	0	0	0	0	0
08/19/78	1330	1	0.00	28.5	PUMPS (5) * * * 0 * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (5) 1 1 1 0 1	1	0	0	0	0	0	0	0	0	0	0	0	0
08/19/78	1500	1	0.00	29.0	PUMPS (4) * 0 * 0 * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (5) 2 1 0 4 2	1	0	0	0	0	0	0	0	0	0	0	0	0
08/19/78	1630	1	0.00	29.0	PUMPS (5) * 0 * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 2 1 1 4 1	1	0	0	0	0	0	0	0	0	0	0	0	0
08/19/78	1800	1	0.00	29.0	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 4 1	1	0	0	0	0	0	0	0	0	0	0	0	0
08/19/78	1900	1	0.00	28.5	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 4 1	1	0	0	0	0	0	0	0	0	0	0	0	0

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 1. - (CONTINUED).

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1 3 B	1 3 A	1 2 B	1 1 A	1 1 A	1 1 A	1 2 A	2 2 B	2 2 B	2 2 B	2 2 B	2 3 B	2 3 B
08/19/78	2110	1	0.00	28.5	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	0	0	0	0	0	0	0	0	0	0	0	0
08/19/78	2240	1	0.00	28.0	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	0	0	0	0	0	0	0	0	0	0	0	0
08/20/78	0010	1	0.00		PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	0	0	0	0	0	0	0	0	0	0	0	0
08/20/78	0140	1	0.00		PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	0	0	0	0	0	0	0	0	0	0	0	0
08/20/78	0430	1	0.00		PUMPS (5) * * 0 * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (4) 3 3 0 1 0	2	0	0	0	0	0	0	0	0	0	0	0	0
08/20/78	0630	1	0.00		PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 3 1 1 1 3	1	0	0	0	0	0	0	0	0	0	0	0	0
08/20/78	0900	1	0.00	28.5	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 4	1	0	0	0	0	0	0	0	0	0	0	0	0
08/20/78	1030	1	0.00	29.0	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 4	1	0	0	0	0	0	0	0	0	0	0	0	0
08/20/78	1200	1	0.00	29.0	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 4	1	0	0	0	0	0	0	0	0	0	0	0	0
08/20/78	1345	1	0.00	28.0	PUMPS (6) * * * * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 4	1	0	0	0	0	0	0	0	0	0	0	0	0
08/20/78	1500	1	0.00	29.0	PUMPS (5) * * * 0 * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 4	1	0	0	0	0	0	0	0	0	0	0	0	0
08/20/78	1630	1	0.00	29.0	PUMPS (5) * * * 0 * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 4	1	0	0	0	0	0	0	0	0	0	0	0	0
08/20/78	1800	1	0.00	29.0	PUMPS (5) * * * 0 * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 4	1	0	0	0	0	0	0	0	0	0	0	0	0
08/20/78	1915	1	0.00	29.0	PUMPS (5) * * * 0 * *	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 4	1	0	0	0	0	0	0	0	0	0	0	0	0

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 1. - (CONTINUED).

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1 3 B	1 3 A	1 2 B	1 2 A	1 1 B	1 1 A	2 2 B	2 2 A	2 2 B	2 2 A	2 3 B	2 3 A
08/20/78	2100	1	0.00	27.8	PUMPS (5) * * * 0 * * 0 0 0 0 0 0												
					SCREENS (6) 1 1 1 1 4 1 0 0 0 0 0 0												
08/20/78	2230	1	0.00	28.0	PUMPS (5) * * * 0 * * 0 0 0 0 0 0												
					SCREENS (6) 1 1 1 1 4 1 0 0 0 0 0 0												
08/21/78	0005	5	0.00	22.8	PUMPS (5) 0 * * * 0 * * 0 0 0 0 0 0												
					SCREENS (6) 1 1 1 1 4 1 0 0 0 0 0 0												
08/21/78	0200	1	0.00	27.8	PUMPS (5) * * * 0 * * 0 0 0 0 0 0												
					SCREENS (6) 1 1 1 1 4 1 0 0 0 0 0 0												
08/21/78	0400	1	0.00	28.2	PUMPS (5) * * * 0 * * 0 0 0 0 0 0												
					SCREENS (5) 2 1 1 1 4 1 0 0 0 0 0 0												
08/21/78	0600	1	0.00	28.0	PUMPS (5) * * * * * 0 0 0 0 0 0 0 0												
					SCREENS (6) 1 1 1 1 4 1 0 0 0 0 0 0												
08/21/78	0920	1	2.00	25.0	PUMPS (5) * * * * * 0 0 0 0 0 0 0 0												
					SCREENS (6) 1 1 1 1 4 1 0 0 0 0 0 0												
08/21/78	1000	1	12.00	25.5	PUMPS (5) * * * * * 0 0 0 0 0 0 0 0												
					SCREENS (6) 1 2 2 2 4 1 0 0 0 0 0 0												
08/21/78	1100	1	15.00	26.0	PUMPS (5) * * * * * 0 0 0 0 0 0 0 0												
					SCREENS (6) 1 1 1 1 4 1 0 0 0 0 0 0												
08/21/78	1200	3	5.33	27.0	PUMPS (5) * * * * * 0 0 0 0 0 0 0 0												
					SCREENS (6) 1 1 1 1 4 1 0 0 0 0 0 0												
08/21/78	1400	1	1.00	26.5	PUMPS (5) * * * * * 0 0 0 0 0 0 0 0												
					SCREENS (6) 1 1 1 1 4 1 0 0 0 0 0 0												
08/21/78	1600	1	19.00	28.0	PUMPS (5) * * * * * 0 0 0 0 0 0 0 0												
					SCREENS (6) 1 1 1 1 4 1 0 0 0 0 0 0												
08/21/78	1800	3	19.33	27.0	PUMPS (5) * * * * * 0 0 0 0 0 0 0 0												
					SCREENS (4) 2 2 0 2 0 1 0 0 0 0 0 0												
08/21/78	2105	1	.3.50	26.5	PUMPS (5) * * * * * 0 0 0 0 0 0 0 0												
					SCREENS (5) 1 1 1 1 0 1 0 0 0 0 0 0												

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TAB 1. - (CONTINUED).

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1 3 B	1 3 B	1 2 A	1 2 A	1 1 B	1 2 A	1 2 A	2 2 B	2 2 B	2 2 B	2 2 B	2 3 B	2 3 B
08/21/78	2230	1	5.20	26.5	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0	0
08/22/78	0000	3	2.76	26.5	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0	0
08/22/78	0200	1	2.70	26.5	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0	0
08/22/78	0600	3	8.50	26.5	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0	0
08/22/78	0900	1	0.00	27.0	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	3	1	1	1	0	1	0	0	0	0	0	0	0
08/22/78	1100	1	0.00	27.0	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	2	0	0	0	0	0	0	0
08/22/78	1245	1	0.00	27.0	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0	0
08/22/78	1500	1	0.00	27.0	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0	0
08/22/78	1635	1	0.00	27.5	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	3	1	1	1	0	1	0	0	0	0	0	0	0
08/22/78	1745	1	0.00	27.5	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	3	1	1	1	0	1	0	0	0	0	0	0	0
08/22/78	2100	1	0.00	27.4	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0	0
08/22/78	2330	1	0.00	27.2	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0	0
08/23/78	0100	1	0.00	27.0	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0	0
08/23/78	0300	1	0.00	27.0	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0	0

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 1. - (CONTINUED).

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1	1	1	1	1	1	2	2	2	2	2	2
						3	3	2	2	1	1	1	1	2	2	3	3
						B	A	B	A	B	A	B	A	B	A	B	A
08/23/78	0330	1	0.00	26.5	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0
08/23/78	0500	1	0.00	26.8	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0
08/23/78	0630	1	0.00	27.0	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0
08/23/78	0915	1	10.30	27.0	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0
08/23/78	1030	1	0.50	27.0	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0
08/23/78	1200	3	1.66	27.0	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0
08/23/78	1400	1	2.00	28.0	PUMPS (4)	*	*	*	*	0	*	0	0	0	0	0	0
					SCREENS (4)	1	1	1	0	0	1	0	0	0	0	0	0
08/23/78	1600	1	0.50	28.0	PUMPS (4)	*	*	*	*	0	*	0	0	0	0	0	0
					SCREENS (4)	1	1	1	0	0	1	0	0	0	0	0	0
08/23/78	1800	3	2.00	28.0	PUMPS (4)	*	*	*	*	0	*	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0
08/23/78	2100	1	4.50	27.0	PUMPS (4)	*	*	*	*	0	*	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0
08/23/78	2230	1	3.00	27.0	PUMPS (4)	*	*	*	*	0	*	0	0	0	0	0	0
					SCREENS (4)	1	1	1	1	0	1	0	0	0	0	0	0
08/24/78	0000	3	2.06	27.5	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0
					SCREENS (5)	1	1	2	3	0	1	0	0	0	0	0	0
08/24/78	0200	1	3.20	27.0	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0
					SCREENS (5)	1	1	1	4	0	1	0	0	0	0	0	0
08/24/78	0410	1	0.00	27.0	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0
					SCREENS (4)	1	1	1	0	0	1	0	0	0	0	0	0

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 1. - (CONTINUED).

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1 3 B	1 3 B	1 2 A	1 2 A	1 1 B	1 1 A	2 1 B	2 1 A	2 2 B	2 2 A	2 3 B	2 3 A
08/24/78	0600	3	2.40	27.0	PUMPS (4) * * * 0 0 * 0 0 0 0 0 0												
					SCREENS (4) 1 1 1 0 0 1 0 0 0 0 0 0												
08/24/78	1315	3	0.50	28.0	PUMPS (4) * * * * 0 0 0 0 0 0 0 0												
					SCREENS (5) 1 1 1 4 0 1 0 0 0 0 0 0												
08/24/78	1500	1	0.75	28.0	PUMPS (3) * * * 0 0 0 0 0 0 0 0 0 0												
					SCREENS (5) 1 1 1 4 0 1 0 0 0 0 0 0												
08/24/78	1600	1	0.25	28.5	PUMPS (3) * 0 * * 0 0 0 0 0 0 0 0												
					SCREENS (4) 1 0 1 4 0 1 0 0 0 0 0 0												
08/24/78	1800	3	0.08	28.0	PUMPS (3) * 0 * * 0 0 0 0 0 0 0 0												
					SCREENS (5) 1 1 1 4 0 1 0 0 0 0 0 0												
08/24/78	2130	1	2.10	27.1	PUMPS (4) 0 * * * 0 * 0 0 0 0 0 0												
					SCREENS (4) 1 1 1 4 0 1 0 0 0 0 0 0												
08/24/78	2230	1	2.20	27.0	PUMPS (4) 0 * * * 0 * 0 0 0 0 0 0												
					SCREENS (5) 1 1 1 4 0 1 0 0 0 0 0 0												
08/25/78	0000	3	2.60	27.0	PUMPS (4) 0 * * * 0 * 0 0 0 0 0 0												
					SCREENS (5) 1 2 2 4 0 2 0 0 0 0 0 0												
08/25/78	0300	1	1.00	26.5	PUMPS (4) 0 * * * 0 * 0 0 0 0 0 0												
					SCREENS (5) 1 1 1 4 0 1 0 0 0 0 0 0												
08/25/78	0600	3	1.86	27.0	PUMPS (4) * * * 0 0 * 0 0 0 0 0 0												
					SCREENS (5) 1 1 1 4 0 1 0 0 0 0 0 0												
08/25/78	0930	1	0.00	27.0	PUMPS (4) * * * 0 0 * 0 0 0 0 0 0												
					SCREENS (5) 1 1 1 4 0 1 0 0 0 0 0 0												
08/25/78	1130	1	0.00	28.0	PUMPS (4) * * * 0 0 * 0 0 0 0 0 0												
					SCREENS (5) 1 1 1 1 0 1 0 0 0 0 0 0												
08/25/78	1400	1	0.00	28.0	PUMPS (4) * * * 0 0 * 0 0 0 0 0 0												
					SCREENS (4) 1 0 1 1 0 1 0 0 0 0 0 0												
08/25/78	1600	1	0.00	28.0	PUMPS (4) * * * 0 0 * 0 0 0 0 0 0												
					SCREENS (5) 1 4 4 1 0 1 0 0 0 0 0 0												

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TAB 1. - (CONTINUED).

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1	1	1	1	1	1	2	2	2	2	2	2
						3	3	2	2	1	1	1	1	2	2	3	3
						B	A	B	A	B	A	A	B	A	B	A	B
08/25/78	1800	1	0.00	27.0	PUMPS (3)	0	*	*	0	0	*	0	0	0	0	0	0
					SCREENS (5)	1	1	4	1	0	1	0	0	0	0	0	0
08/25/78	1900	1	0.00	27.0	PUMPS (3)	0	*	*	0	0	*	0	0	0	0	0	0
					SCREENS (5)	1	1	4	1	0	1	0	0	0	0	0	0
08/25/78	2100	1	0.00	27.0	PUMPS (3)	0	*	*	0	0	*	0	0	0	0	0	0
					SCREENS (5)	1	1	4	1	0	1	0	0	0	0	0	0
08/25/78	2300	1	0.00	27.0	PUMPS (3)	*	0	*	0	0	*	0	0	0	0	0	0
					SCREENS (5)	1	1	4	1	0	1	0	0	0	0	0	0
08/26/78	0130	1	0.00	26.4	PUMPS (4)	*	0	*	0	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	4	1	4	1	0	0	0	0	0	0
08/26/78	0300	1	0.00	26.2	PUMPS (4)	*	0	*	0	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	4	1	4	1	0	0	0	0	0	0
08/26/78	0500	1	0.00	26.4	PUMPS (4)	*	0	*	0	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	4	1	4	1	0	0	0	0	0	0
08/26/78	0700	1	0.00	27.0	PUMPS (4)	*	0	*	0	*	*	0	0	0	0	0	0
					SCREENS (6)	1	0	4	0	4	1	0	0	0	0	0	0
08/26/78	0900	1	0.00	27.0	PUMPS (5)	*	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	4	1	4	1	0	0	0	0	0	0
08/26/78	1030	1	0.00	26.0	PUMPS (5)	*	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	4	1	4	1	0	0	0	0	0	0
08/26/78	1210	1	0.00	26.5	PUMPS (5)	*	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	4	1	4	1	0	0	0	0	0	0
08/26/78	1400	1	0.00	28.0	PUMPS (4)	*	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	4	1	4	0	0	0	0	0	0	0
08/26/78	1600	1	0.00	28.0	PUMPS (5)	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6)	1	4	4	1	4	1	0	0	0	0	0	0
08/26/78	1900	1	0.00	27.0	PUMPS (4)	0	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6)	0	4	4	1	4	0	0	0	0	0	0	0

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

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IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 1. - (CONTINUED).

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1	1	1	1	1	1	2	2	2	2	2	2	2	2
						3	3	2	2	1	1	1	1	2	2	3	3		
						B	A	B	A	B	A	B	A	B	A	B	A	B	
08/28/78	0100	1	0.00	27.2	PUMPS (2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/28/78	0330	1	0.00	27.0	SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0	0	0
08/28/78	0500	1	0.00	27.0	PUMPS (2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/28/78	0630	1	0.00	26.8	SCREENS (5)	1	1	1	2	0	2	0	0	0	0	0	0	0	0
08/28/78	0900	1	0.20	27.2	PUMPS (2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/28/78	1200	3	0.46	27.0	SCREENS (5)	1	4	4	1	0	1	0	0	0	0	0	0	0	0
08/28/78	1500	1	0.65	27.5	PUMPS (2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/28/78	1600	1	0.70	27.5	SCREENS (6)	1	4	4	1	4	1	0	0	0	0	0	0	0	0
08/28/78	1700	1	3.00	28.0	PUMPS (2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/28/78	1800	3	0.30	27.3	SCREENS (6)	1	4	4	1	4	1	0	0	0	0	0	0	0	0
08/28/78	2100	1	0.10	27.4	PUMPS (3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/28/78	2230	1	0.25	27.4	SCREENS (6)	1	4	4	1	4	1	0	0	0	0	0	0	0	0
08/29/78	0000	3	0.26	27.4	PUMPS (3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/29/78	0200	1	0.75	27.0	SCREENS (6)	1	1	4	1	4	1	0	0	0	0	0	0	0	0
					PUMPS (2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (5)	1	1	4	1	4	1	0	0	0	0	0	0	0	0

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 1. - (CONTINUED).

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1 3 B	1 3 A	1 2 B	1 2 A	1 1 B	1 1 A	2 2 B	2 2 A	2 2 B	2 2 A	2 3 B	2 3 A
08/29/78	0430	1	0.50	27.0	PUMPS (2)	0	0	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	4	1	4	1	0	0	0	0	0	0
08/29/78	0600	3	0.60	26.5	PUMPS (2)	0	0	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	4	1	4	1	0	0	0	0	0	0
08/29/78	0900	1	0.00	27.0	PUMPS (2)	0	0	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	0	4	1	4	1	0	0	0	0	0	0
08/29/78	1020	1	0.00	27.5	PUMPS (2)	0	0	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	0	4	1	4	1	0	0	0	0	0	0
08/29/78	1115	1	0.00	27.5	PUMPS (3)	*	0	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	0	4	1	4	1	0	0	0	0	0	0
08/29/78	1200	1	0.00	28.0	PUMPS (3)	*	0	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	0	4	1	4	1	0	0	0	0	0	0
08/29/78	1330	1	0.00	28.0	PUMPS (3)	*	0	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	0	4	1	4	1	0	0	0	0	0	0
08/29/78	1445	1	0.00	28.0	PUMPS (3)	*	0	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	0	4	1	4	1	0	0	0	0	0	0
08/29/78	1535	1	0.00	28.0	PUMPS (3)	*	0	*	0	*	0	0	0	0	0	0	0
					SCREENS (5)	1	0	4	1	4	1	0	0	0	0	0	0
08/29/78	1800	1	0.00	27.0	PUMPS (4)	*	*	*	0	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	4	1	4	1	0	0	0	0	0	0
08/29/78	2100	1	0.00	27.0	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	4	1	0	0	0	0	0	0
08/29/78	2230	1	0.00	27.0	PUMPS (6)	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	4	1	0	0	0	0	0	0
08/30/78	0000	1	0.00	26.5	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0
08/30/78	0130	1	0.00	26.5	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 1. - (CONTINUED).

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1 B	1 A	1 B	1 A	1 B	2 A	2 B	2 A	2 B	2 A	2 B
08/30/78	0530	1	0.00	26.0	PUMPS (5) * * * * 0 * 0 0 0 0 0 0 SCREENS (5) 1 1 1 1 0 1 0 0 0 0 0 0											
08/30/78	1100	1	1.50	28.0	PUMPS (5) * * * * 0 * 0 0 0 0 0 0 SCREENS (6) 1 1 1 1 1 1 0 0 0 0 0 0											
08/30/78	1200	3	1.66	27.0	PUMPS (5) * * * * 0 * 0 0 0 0 0 0 SCREENS (6) 1 1 1 1 1 1 0 0 0 0 0 0											
08/30/78	1330	1	3.20	28.0	PUMPS (5) * * * * 0 * 0 0 0 0 0 0 SCREENS (6) 1 1 1 1 1 1 1 0 0 0 0 0											
08/30/78	1500	1	3.00	27.5	PUMPS (5) * * * * 0 * 0 0 0 0 0 0 SCREENS (5) 1 4 1 1 0 1 0 0 0 0 0 0											
08/30/78	1800	3	2.90	28.0	PUMPS (4) * 0 * * 0 * 0 0 0 0 0 0 SCREENS (5) 1 0 1 1 4 2 0 0 0 0 0 0											
08/30/78	1900	1	0.50	28.0	PUMPS (4) * 0 * * 0 * 0 0 0 0 0 0 SCREENS (5) 1 0 1 1 4 1 0 0 0 0 0 0											
08/30/78	2100	1	2.60	28.0	PUMPS (5) * 0 * * * * 0 0 0 0 0 0 SCREENS (5) 1 0 1 1 1 1 0 0 0 0 0 0											
08/30/78	2245	1	1.00	28.2	PUMPS (5) * * * * 0 * 0 0 0 0 0 0 SCREENS (5) 1 1 1 1 0 1 0 0 0 0 0 0											
08/31/78	0000	3	7.10	28.4	PUMPS (4) * 0 * * 0 * 0 0 0 0 0 0 SCREENS (4) 1 0 1 1 0 1 0 0 0 0 0 0											
08/31/78	0300	1	15.00	28.4	PUMPS (4) * 0 * * 0 * 0 0 0 0 0 0 SCREENS (4) 1 0 1 1 0 1 0 0 0 0 0 0											
08/31/78	0430	1	10.00	28.2	PUMPS (4) * 0 * * 0 * 0 0 0 0 0 0 SCREENS (4) 1 0 1 1 0 1 0 0 0 0 0 0											
08/31/78	0600	3	0.00	28.6	PUMPS (5) * 0 * * * * 0 0 0 0 0 0 SCREENS (5) 1 0 1 1 1 1 0 0 0 0 0 0											
08/31/78	0906	3	1.46	27.0	PUMPS (6) * * * * * 0 0 0 0 0 0 SCREENS (6) 1 1 1 1 1 1 0 0 0 0 0 0											

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 1. - (CONTINUED).

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1 3 B	1 3 A	1 2 B	1 2 A	1 1 A	1 1 B	2 2 A	2 2 B	2 2 A	2 2 B	2 2 A	2 2 B
08/31/78	1205	3	3.46	27.5	PUMPS (6) * * * * *	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	1	1	1	1	1	0	0	0	0	0	0
08/31/78	1242	3	1.26	27.5	PUMPS (6) * * * * *	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	1	1	1	1	1	0	0	0	0	0	0
08/31/78	1325	3	0.73	28.0	PUMPS (6) * * * * *	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 4 4 4 4 4	4	4	4	4	4	4	0	0	0	0	0	0
08/31/78	1345	3	1.46	28.0	PUMPS (6) * * * * *	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 4 4 4 4 4	4	4	4	4	4	4	0	0	0	0	0	0
08/31/78	1454	3	2.36	28.0	PUMPS (6) * * * * *	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	1	1	1	1	1	0	0	0	0	0	0
08/31/78	1525	3	2.50	28.0	PUMPS (6) * * * * *	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	1	1	1	1	1	0	0	0	0	0	0
08/31/78	1800	3	0.56	28.0	PUMPS (6) * * * * *	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	1	1	1	1	1	0	0	0	0	0	0
08/31/78	2100	1	0.90	28.0	PUMPS (6) * * * * *	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	1	1	1	1	1	0	0	0	0	0	0
08/31/78	2230	1	0.25	8.0	PUMPS (6) * * * * *	*	*	*	*	*	*	0	0	0	0	0	0
					SCREENS (6) 1 1 1 1 1	1	1	1	1	1	1	0	0	0	0	0	0

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% Survival

$$\% \text{ Survival} = \sum \frac{N_i \times \text{peri}}{N}$$

where

N_i = number of fish for the species caught during the sample.

peri = percent survival for the sample.

N = total number of fish for the species caught during the day.

Estimated number or weight per 24-hour period.

$$\text{Estimate} = \sum \frac{(\Delta T) (\text{Mid-Point})}{2} \times \frac{1440}{\sum \Delta T}$$

where

ΔT = Time difference in minutes between consecutive samples.

Mid-Point = the average rate/min or weight of fish collected between consecutive samples.

NOTE:

If the survival, weight, or length is missing, it indicates that the species was caught during a non-ETS sample. These samples were collected to better estimate the number of weakfish impinged.

TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 08/01/78 0000 THROUGH 08/01/78 0603

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ PERIOD	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ PERIOD (KG)	WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	D*					MIN.	MAX.	MIN.	MAX.
FISHES														
B. TYRANNUS	7	3	3	100	0	0	5	298	28.4	1.5	4.8	7.1	67.5	77.5
A. MITCHILLI	7	3	3	39	16	43	31	2880	90.2	8.4	1.7	5.1	57.5	77.5
C. REGALIS	7	3	3	45	36	17	141	13230	340.7	35.1	1.1	5.8	42.5	87.5
T. MACULATUS	7	3	2	77	22	0	116	5518	893.8	43.2	4.0	51.3	52.5	152.5
							293	21926	1353.1	88.2				
CRABS														
C. SAPIDUS	7	3	3	100	0	0	6	478	926.0	74.4	137.9	176.6	127.5	147.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

 IMPINGEMENT MONITORING PROGRAM
 SALEM NUCLEAR GENERATING STATION UNIT 1
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TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 08/02/78 0910 THROUGH 08/02/78 2231

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	D*					MIN.	MAX.	MIN.	MAX.
FISHES														
B. TYRANNUS	12	8	2	50	0	50	2	304	8.7	1.5	3.2	3.2	57.5	57.5
A. MITCHILLI	12	8	6	14	78	7	16	2316	39.1	5.4	.2	3.8	37.5	77.5
I. NEBULOSUS	12	8	1	100	0	0	1	228	54.0	12.3	54.0	54.0	162.5	162.5
M. MENIDIA	12	8	2	100	0	0	2	232	3.6	.5	.8	2.8	47.5	72.5
P. SALTATRIX	12	8	1	100	0	0	1	52	26.0	1.4	26.0	26.0	132.5	132.5
C. REGALIS	12	8	7	86	8	4	54	6670	110.1	13.0	.9	4.6	47.5	87.5
L. XANTHURUS	12	8	3	100	0	0	6	1123	57.4	10.9	6.2	14.5	77.5	102.5
T. MACULATUS	12	8	4	100	0	0	9	1485	43.3	8.1	2.0	7.2	47.5	72.5
							91	12410	342.2	53.1				
CRABS														
C. SAPIDUS	12	8	3	62	25	11	4	682	433.8	70.4	75.7	142.3	102.5	137.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

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SAMPLING PERIOD - 08/03/78 0000 THROUGH 08/03/78 2231

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	D*					MIN.	MAX.	MIN.	MAX.
FISHES														
B. TYRANNUS	21	13	4	46	0	53	16	930	149.6	9.1	3.1	45.0	57.5	142.5
A. MITCHILLI	21	13	8	43	51	5	110	7260	285.6	18.1	1.5	4.3	52.5	82.5
M. MENIDIA	21	13	2	100	0	0	2	144	3.9	.1	1.1	2.8	47.5	67.5
P. SALTATRIX	21	13	3	15	30	55	3	160	43.0	2.8	5.1	25.7	82.5	132.5
C. REGALIS	21	13	11	69	21	9	214	13692	479.6	30.7	.7	7.5	47.5	97.5
L. XANTHURUS	21	13	1				2	62	22.2	.7	9.9	12.3	87.5	97.5
T. MACULATUS	21	13	2	98	0	1	56	4572	422.2	33.9	2.0	57.0	52.5	152.5
							403	26820	1406.1	95.4				
CRABS														
C. SAPIDUS	21	13	6	100	0	0	8	644	661.8	61.6	12.4	122.1	52.5	147.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

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TABLE 2. - (CONTINUED).

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SAMPLING PERIOD - 08/04/78 0000 THROUGH 08/04/78 2241

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	D*					MIN.	MAX.	MIN.	MAX.
FISHES														
B. TYRANNUS	16	12	3	50	0	50	4	300	6.2	.4	2.9	3.3	57.5	67.5
A. MITCHILLI	16	12	8	47	49	3	45	3585	89.7	6.7	.5	5.0	27.5	82.5
M. MENIDIA	16	12	2	32	67	0	4	272	3.3	.2	.9	1.5	32.5	62.5
P. SALTATRIX	16	12	3	0	50	50	3	219	18.0	.9	8.0	10.0	92.5	97.5
C. REGALIS	16	12	12	68	14	16	185	15035	286.8	21.2	1.2	10.8	47.5	112.5
L. XANTHURUS	16	12	8	100	0	0	24	1813	128.0	7.9	5.5	18.2	72.5	122.5
T. MACULATUS	16	12	7	100	0	0	36	2669	250.5	22.5	5.5	52.6	52.5	152.5
							301	23893	782.5	59.8				
CRABS														
C. SAPIDUS	16	12	8	100	0	0	19	1402	1010.6	99.3	79.3	211.0	92.5	167.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

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TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 08/05/78 0000 THROUGH 08/05/78 2231

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	D*					MIN.	MAX.	MIN.	MAX.
FISHES														
A. ROSTRATA	13	13	1				1	76					262.5	262.5
B. TYRANNUS	13	13	6				7	784					67.5	167.5
A. MITCHILLI	13	13	10				61	6934					32.5	82.5
M. MENIDIA	13	13	1				1	76					52.5	52.5
M. AMERICANA	13	13	2				2	247					232.5	292.5
P. SALTATRIX	13	13	1				1	119					137.5	137.5
C. REGALIS	13	13	13				234	20198					32.5	97.5
L. XANTHURUS	13	13	8				14	1619					82.5	197.5
P. CROMIS	13	13	2				3	217					102.5	117.5
T. MACULATUS	13	13	11				24	2854					57.5	137.5
							348	41124						
CRABS														
C. SAPIDUS	13	13	4				8	961					122.5	172.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

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TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 08/06/78 0030 THROUGH 08/06/78 2331

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	D*					MIN.	MAX.	MIN.	MAX.
FISHES														
A. ROSTRATA	14	14	1				1	153					252.5	252.5
A. PSEUDOHARENGUS	14	14	1				1	111					72.5	72.5
B. TYRANNUS	14	14	7				9	1115					52.5	77.5
A. MITCHILLI	14	14	8				44	5445					32.5	87.5
R. MARGINATA	14	14	1				1	158					142.5	142.5
M. MENIDIA	14	14	3				7	720					52.5	77.5
C. HIPPOS	14	14	1				1	66					32.5	32.5
C. REGALIS	14	14	11				106	11188					37.5	112.5
L. XANTHURUS	14	14	8				11	1149					72.5	132.5
P. DENTATUS	14	14	1				1	153					157.5	157.5
T. MACULATUS	14	14	8				26	2858					52.5	147.5
							208	23116						
CRABS														
C. SAPIDUS	14	14	8				12	1259					112.5	157.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

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TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 08/07/78 0050 THROUGH 08/07/78 2206

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SPECIES	TOTAL MINUTES SAMPLED			N	CF	Z SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LENGTH (MM)	
	L	D	D*			MIN.	MAX.	MIN.					MAX.			
FISHES																
B. TYRANNUS	18	14	7	29	6	64		10	901	120.6	9.7	1.2	103.2	47.5	187.5	
A. MITCHILLI	18	14	13	26	73	0		47	3527	65.4	3.4	1.1	5.8	52.5	87.5	
I. NEBULOSUS	18	14	1	0	0	100		1	58	2.7	.1	2.7	2.7	62.5	62.5	
P. SALTATRIX	18	14	2	100	0	0		2	169	11.9	.6	11.9	11.9	102.5	107.5	
C. REGALIS	18	14	12	78	16	4		76	7977	93.4	8.9	1.1	10.1	47.5	112.5	
L. XANTHURUS	18	14	3	38	38	23		4	255	32.3	1.2	7.0	14.2	77.5	97.5	
T. MACULATUS	18	14	4	100	0	0		15	1699	13.7	2.0	5.2	8.5	52.5	117.5	
								155	14586	340.0	25.9					
CRABS																
C. SAPIDUS	18	14	2	100	0	0		2	220	169.0	17.1	169.0	169.0	172.5	182.5	

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

Z SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

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TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 08/08/78 0000 THROUGH 08/08/78 2231

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	D*					MIN.	MAX.	MIN.	MAX.
FISHES														
A. ROSTRATA	18	14	1				2	182					272.5	277.5
B. TYRANNUS	18	14	5	60	39	0	14	1053	45.3	3.1	1.6	8.0	52.5	82.5
A. MITCHILLI	18	14	11	51	40	7	114	8423	251.8	16.2	.3	5.4	32.5	82.5
M. MARTINICA	18	14	1				1	39					97.5	97.5
M. MENIDIA	18	14	5	53	46	0	5	429	6.7	.5	.8	3.0	47.5	87.5
S. FUSCUS	18	14	2	100	0	0	2	158	2.0	.1	.8	1.2	102.5	127.5
P. SALTATRIX	18	14	1				1	76					152.5	152.5
C. REGALIS	18	14	13	77	22	0	36	6592	106.1	5.3	.7	15.7	37.5	122.5
L. XANTHURUS	18	14	6	0	50	50	10	748	27.4	.7	5.3	22.1	72.5	107.5
T. MACULATUS	18	14	9	100	0	0	28	2437	253.6	19.1	3.1	58.4	52.5	147.5
							263	20137	692.9	45.0				
CRABS														
C. SAPIDUS	18	14	8	100	0	0	16	1058	1479.7	95.8	71.9	207.3	97.5	182.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

Z SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

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TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 08/09/78 0010 THROUGH 08/09/78 2231

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	D*					MIN.	MAX.	MIN.	MAX.
FISHES														
A. ROSTRATA	19	15	2	0	0	100	2	128	2.4				322.5	322.5
B. TYRANNUS	19	15	7	42	5	52	11	1019	67.3	5.8	3.0	21.6	57.5	112.5
A. MITCHILLI	19	15	14	16	76	6	84	7452	167.3	15.8	.9	6.6	37.5	87.5
M. MENIDIA	19	15	3	100	0	0	7	362	2.4	.1	2.4	2.4	47.5	72.5
P. SALTATRIX	19	15	1				1	98					77.5	77.5
C. REGALIS	19	15	14	64	13	22	208	18411	443.7	38.5	.3	10.0	32.5	102.5
L. XANTHURUS	19	15	8	46	6	46	7	716	55.5	6.5	7.8	21.8	82.5	117.5
P. CROMIS	19	15	2	100	0	0	2	177	12.2	1.1	12.2	12.2	92.5	122.5
T. MACULATUS	19	15	8	96	0	3	24	2286	276.1	27.0	4.8	87.6	7.5	162.5
							346	30649	1027.1	94.8				
CRABS														
C. SAPIDUS	19	15	4	77	0	22	4	298	358.3	27.7	58.6	157.2	107.5	157.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

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TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 08/10/78 0000 THROUGH 08/10/78 2231

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	D*					MIN.	MAX.	MIN.	MAX.
FISHES														
A. ROSTRATA	21	13	2	0	0	100	2	192	89.3	7.0	28.3	61.0	152.5	327.5
A. AESTIVALIS	21	13	1				1	14	1.1		1.1	1.1	52.5	52.5
B. TYRANNUS	21	13	9	62	22	15	32	1748	162.3	9.4	2.1	10.5	52.5	182.5
A. MITCHILLI	21	13	10	43	55	1	87	5780	216.8	14.4	.1	5.0	32.5	87.5
S. MARINA	21	13	1				1	14	1.0		1.0	1.0	92.5	92.5
M. MARTINICA	21	13	2	0	100	0	2	158	9.4	.6	4.2	5.2	87.5	92.5
M. MENIDIA	21	13	4	68	15	15	16	638	26.8	1.0	1.1	5.3	47.5	92.5
M. AMERICANA	21	13	2	0	100	0	2	99	140.9	7.0	64.1	64.1	172.5	172.5
P. SALTATRIX	21	13	1				1	14	8.1	.1	8.1	8.1	97.5	97.5
C. REGALIS	21	13	13	78	16	5	236	21154	638.1	54.3	.2	13.3	37.5	112.5
L. XANTHURUS	21	13	7	63	25	11	26	2718	413.6	46.2	2.5	45.6	57.5	142.5
T. MACULATUS	21	13	8	100	0	0	29	2838	407.1	36.0	2.3	84.4	47.5	157.5
							435	35367	2114.5	176.0				
CRABS														
C. SAPIDUS	21	13	7	98	0	1	15	1008	1660.5	113.1	46.4	186.6	92.5	167.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

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TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 08/11/78 0000 THROUGH 08/11/78 2216

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LEN (MM)	
	N	CF		L	D	D*					MIN.	MAX.	MIN.	MAX.
FISHES														
B. TYRANNUS	21	17	11	55	44	0	26	2176	27.7	1.6	1.5	6.0	42.5	157.5
A. MITCHILLI	21	17	16	40	55	4	128	11050	162.8	12.7	.6	6.4	32.5	87.5
R. MARGINATA	21	17	3	13	0	86	3	196	23.2	1.6	9.6	13.6	132.5	142.5
M. MARTINICA	21	17	1	0	100	0	2	194	6.2	.6	2.2	4.0	52.5	72.5
M. MENIDIA	21	17	8	83	14	2	26	1698	27.3	2.1	1.4	4.2	42.5	92.5
C. HIPPOS	21	17	1	100	0	0	1	50	1.5		1.5	1.5	42.5	42.5
C. REGALIS	21	17	16	68	27	3	468	43119	152.7	13.2	.7	5.0	37.5	142.5
L. XANTHURUS	21	17	13	94	5	0	43	3315	193.4	13.9	7.4	20.7	77.5	137.5
P. CROMIS	21	17	1	100	0	0	1	97	25.8	2.5	25.8	25.8	122.5	122.5
T. MACULATUS	21	17	8	100	0	0	38	3203	94.5	7.2	5.2	56.4	57.5	152.5
							736	65098	715.1	55.4				
CRABS														
C. SAPIDUS	21	17	6	100	0	0	14	1011	239.9	7.3	91.8	148.1	82.5	172.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

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TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 08/12/78 0000 THROUGH 08/12/78 2321

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	D*					MIN.	MAX.	MIN.	MAX.
FISHES														
A. PSEUDOHARENGUS	18	18	1				1	22					122.5	122.5
B. TYRANNUS	18	18	10				32	2690					47.5	97.5
A. MITCHILLI	18	18	14				159	12421					27.5	92.5
M. MARTINICA	18	18	2				2	169					82.5	97.5
M. BERYLLINA	18	18	1				1	76					52.5	52.5
M. MENIDIA	18	18	4				7	588					57.5	87.5
C. REGALIS	18	18	18				513	30781					37.5	117.5
L. XANTHURUS	18	18	12				29	2368					62.5	112.5
P. CROMIS	18	18	1				1	41					107.5	107.5
T. MACULATUS	18	18	10				38	2993					52.5	132.5
							783	52149						
CRABS														
C. SAPIDUS	18	18	7	100	0	0	9	644					22.5	162.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

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TABLE 2. - (CONTINUED).

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SAMPLING PERIOD - 08/13/78 0115 THROUGH 08/13/78 2336

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL ESTIMATED	TOTAL WEIGHT	ESTIMATED	WEIGHT		LENGTH		
	N	CF		L	D	D*	NUMBER COLLECTED	NUMBER/24 HOURS	COLLECTED	WEIGHT/24 HOURS	(GM) MIN.	(GM) MAX.	(MM) MIN.	(MM) MAX.
FISHES														
B. TYRANNUS	16	16	6				9	621					57.5	137.5
A. MITCHILLI	16	16	12				72	6416					42.5	82.5
R. MARGINATA	16	16	2				3	233					122.5	147.5
M. MENIDIA	16	16	2				3	233					52.5	62.5
P. FLAVESCENS	16	16	1				1	88					147.5	147.5
P. SALTATRIX	16	16	1				1	96					97.5	97.5
C. REGALIS	16	16	15				276	17408					42.5	177.5
L. XANTHURUS	16	16	8	0	0	100	11	1019					87.5	127.5
P. CROMIS	16	16	2				3	249					82.5	122.5
T. MACULATUS	16	16	4				16	1506					52.5	137.5
							395	27869						
CRABS														
C. SAPIDUS	16	16	4	100	0	0	7	563					112.5	132.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

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TABLE 2. - (CONTINUED).

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SAMPLING PERIOD - 08/14/78 0055 THROUGH 08/14/78 2223

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	D*					MIN.	MAX.	MIN.	MAX.
FISHES														
B. TYRANNUS	16	12	5	39	13	47	7	869	21.6	2.7	4.3	6.7	67.5	142.5
A. MITCHILLI	16	12	11	38	54	7	48	3854	97.0	7.6	1.5	4.7	37.5	162.5
M. MENIDIA	16	12	3	55	44	0	5	521	5.8	.5	1.0	2.0	52.5	67.5
P. SALTATRIX	16	12	2	0	0	100	2	98	11.8	.4	11.8	11.8	102.5	102.5
C. REGALIS	16	12	12	68	19	11	186	16945	223.7	20.2	.4	19.2	37.5	112.5
L. XANTHURUS	16	12	6	71	15	12	10	970	127.5	12.9	5.7	28.2	77.5	127.5
P. CROMIS	16	12	1	100	0	0	1	36	16.1	.6	16.1	16.1	107.5	107.5
T. MACULATUS	16	12	9	100	0	0	17	1549	133.3	13.9	3.5	31.7	57.5	122.5
							276	24842	636.8	58.8				
CRABS														
C. SAPIDUS	16	12	3	100	0	0	6	365	607.3	30.1	100.1	133.7	117.5	162.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

 IMPINGEMENT MONITORING PROGRAM
 SALEM NUCLEAR GENERATING STATION UNIT 1
 PSE&G, NEWARK, N.J.

TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 08/15/78 0000 THROUGH 08/15/78 2304

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	D*					MIN.	MAX.	MIN.	MAX.
FISHES														
A. ROSTRATA	19	15	1				1	43					342.5	342.5
B. TYRANNUS	19	15	3	8	8	83	7	529	31.8	2.2	2.1	28.6	52.5	132.5
A. MITCHILLI	19	15	10	25	56	17	84	6293	177.8	13.0	.2	6.0	22.5	82.5
S. MARINA	19	15	2	100	0	0	3	242	21.5	1.2	1.0	18.2	102.5	277.5
M. MARTINICA	19	15	1	100	0	0	1	150	4.8	.7	4.8	4.8	87.5	87.5
M. MENIDIA	19	15	5	76	7	15	50	3646	74.5	4.8	1.0	3.3	47.5	72.5
M. AMERICANA	19	15	2	50	0	50	2	55	189.6	5.8	87.4	102.2	187.5	192.5
P. SALTATRIX	19	15	2	100	0	0	2	121	18.0	.8	18.0	18.0	112.5	122.5
C. REGALIS	19	15	14	79	13	6	131	14371	162.0	14.8	.4	9.5	22.5	97.5
L. XANTHURUS	19	15	7	93	3	3	14	950	133.4	7.4	9.5	19.7	62.5	127.5
P. CROMIS	19	15	1				1	11	20.0	.2	20.0	20.0	117.5	117.5
P. TRIACANTHUS	19	15	1	100	0	0	1	43	1.2		1.2	1.2	42.5	42.5
T. MACULATUS	19	15	8	100	0	0	36	1379	265.2	7.9	1.8	43.9	47.5	137.5
							333	27833	1099.8	58.8				
CRABS														
C. SAPIIDUS	19	15	8	100	0	0	12	1106	518.1	40.9	4.0	117.6	17.5	137.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

 IMPINGEMENT MONITORING PROGRAM
 SALEM NUCLEAR GENERATING STATION UNIT 1
 PSE&G, NEWARK, N.J.

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TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 08/16/78 0130 THROUGH 08/16/78 2243

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	D%					MIN.	MAX.	MIN.	MAX.
FISHES														
A. ROSTRATA	19	15	1				1	135					372.5	372.5
B. TYRANNUS	19	15	7	86	13	0	12	833	110.4	6.6	3.0	41.1	62.5	152.5
A. MITCHILLI	19	15	10	59	31	8	34	2621	55.0	3.2	1.7	4.6	37.5	82.5
M. MENIDIA	19	15	3	75	24	0	6	421	15.3	.9	1.1	3.6	57.5	77.5
M. AMERICANA	19	15	1				1	101					112.5	112.5
P. SALTATRIX	19	15	1	0	100	0	1	55	29.8	1.7	29.8	29.1	142.5	142.5
C. REGALIS	19	15	14	66	17	16	87	7974	109.5	7.2	.3	7.5	37.5	102.5
L. XANTHURUS	19	15	8	95	4	0	18	1269	191.8	11.5	9.5	59.8	87.5	142.5
P. CROMIS	19	15	1				1	57					102.5	102.5
T. MACULATUS	19	15	9	97	2	0	26	1490	177.9	7.3	3.1	54.8	52.5	152.5
							187	14956	689.7	38.4				
CRABS														
C. SAPIIDUS	19	15	8	55	44	0	11	801	952.7	61.5	75.7	173.0	107.5	167.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

IMPINGEMENT MONITORING PROGRAM

TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 08/17/78 0000 THROUGH 08/17/78 2216

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SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	D*					MIN.	MAX.	MIN.	MAX.
FISHES														
A. ROSTRATA	20	14	3	0	100	0	3	268	30.6	1.6	30.6	30.6	272.5	342.5
B. TYRANNUS	20	14	8	87	8	4	29	1719	160.1	7.5	2.1	30.2	52.5	177.5
A. MITCHILLI	20	14	10	22	77	0	39	2828	62.6	3.3	.2	4.5	27.5	82.5
F. HETEROCLITUS	20	14	1	100	0	0	1	50	.5		.5	.5	37.5	37.5
M. MENIDIA	20	14	1				1	97					77.5	77.5
M. AMERICANA	20	14	1	100	0	0	1	50	63.0	3.3	63.0	63.0	157.5	157.5
P. SALTATRIX	20	14	1	100	0	0	1	32	44.0	1.5	44.0	44.0	172.5	172.5
C. HIPPOS	20	14	1	100	0	0	1	97	2.4	.2	2.4	2.4	52.5	52.5
C. REGALIS	20	14	13	69	23	7	364	22045	819.4	40.4	.4	8.3	27.5	252.5
L. XANTHURUS	20	14	9	54	45	0	20	1318	149.7	6.7	4.1	38.1	67.5	132.5
P. CROMIS	20	14	2	29	0	70	2	77	55.6	2.0	10.2	45.4	92.5	142.5
G. BOSCI	20	14	1				1	120						
T. MACULATUS	20	14	12	93	3	2	48	2925	258.9	11.2	3.4	51.0	57.5	127.5
							511	31626	1646.8	77.7				

CRABS

C. SAPIDUS	20	14	4	100	0	0	7	343	812.2	42.7	1.1	213.1	22.5	162.5
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N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL; L = LIVE; D = DEAD; D* = DAMAGED.

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
08/18/78 - 08/19/78

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TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 08/18/78 0000 THROUGH 08/18/78 2231

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	D*					MIN.	MAX.	MIN.	MAX.
FISHES														
B. TYRANNUS	18	14	8	60	39	0	11	866	42.6	2.6	2.3	25.3	52.5	132.5
A. MITCHILLI	18	14	13	0	100	0	83	8007	28.2	2.9	1.3	4.1	47.5	82.5
M. MENIDIA	18	14	4	100	0	0	6	604	1.1	.1	1.1	1.1	52.5	72.5
C. HIPPOS	18	14	1				1	21	1.5		1.5	1.5	42.5	42.5
C. REGALIS	18	14	14	71	28	0	252	22989	156.7	12.0	.3	10.2	32.5	97.5
L. XANTHURUS	18	14	6	85	11	2	16	1522	110.8	10.1	6.6	18.4	82.5	132.5
P. CROMIS	18	14	3				3	288					92.5	127.5
T. MACULATUS	18	14	12	100	0	0	60	5820	248.0	28.3	4.6	65.5	27.5	152.5
							432	40117	588.9	56.0				
CRABS														
C. SAPIDUS	18	14	9	100	0	0	15	1366	179.5	6.8	87.3	92.2	22.5	182.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL; L = LIVE; D = DEAD; D* = DAMAGED.

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1

TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 08/19/78 0010 THROUGH 08/19/78 2241

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL ESTIMATED NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	D%					MIN.	MAX.	MIN.	MAX.
FISHES														
A. ROSTRATA	14	14	1				1	122					227.5	227.5
B. TYRANNUS	14	14	3				6	672					57.5	127.5
A. MITCHILLI	14	14	14				90	9248					27.5	82.5
R. MARGINATA	14	14	1				1	128					137.5	137.5
S. MARINA	14	14	1				1	58					107.5	107.5
M. MENIDIA	14	14	4				17	1962					47.5	82.5
P. SALTATRIX	14	14	1				1	144					132.5	132.5
C. REGALIS	14	14	14				240	25754					37.5	102.5
L. XANTHURUS	14	14	8				10	1072					77.5	137.5
P. CROMIS	14	14	3				3	250					122.5	137.5
T. MACULATUS	14	14	11				51	5061					52.5	127.5
							421	44471						
CRABS														
C. SAPIDUS	14	14	2				2	240					32.5	127.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

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TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 08/20/78 0010 THROUGH 08/20/78 2231

SPECIES	TOTAL MINUTES SAMPLED			N	CF	% SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LENGTH (MM)	
	L	D	D*			MIN.	MAX.	MIN.					MAX.			
FISHES																
B. TYRANNUS	14	14	7						10	982					62.5	132.5
A. MITCHILLI	14	14	12						174	22915					37.5	82.5
M. BERYLLINA	14	14	1						1	139					82.5	82.5
M. MENIDIA	14	14	4						6	789					42.5	67.5
M. AMERICANA	14	14	1						1	145					182.5	182.5
P. SALTATRIX	14	14	2						3	408					117.5	142.5
C. REGALIS	14	14	13						120	12670					27.5	97.5
L. XANTHURUS	14	14	6						7	668					102.5	132.5
T. MACULATUS	14	14	9						36	3921					52.5	152.5
									358	42637						
CRABS																
C. SAPIDUS	14	14	4						4	401					137.5	167.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

 IMPINGEMENT MONITORING PROGRAM
 SALEM NUCLEAR GENERATING STATION UNIT 1
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SAMPLING PERIOD - 08/21/78 0005 THROUGH 08/21/78 2231

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	DA					MIN.	MAX.	MIN.	MAX.
FISHES														
C. OCEANICUS	21	13	1				1	53						
A. AESTIVALIS	21	13	1	0	100	0	1	44	11.8	.5	11.8	11.8	102.5	102.5
B. TYRANNUS	21	13	9	68	31	0	13	1267	91.2	11.0	6.5	45.1	52.5	177.5
A. MITCHILLI	21	13	12	29	64	6	87	6707	93.2	5.6	2.1	4.8	57.5	82.5
H. MENIDIA	21	13	5	86	13	0	10	926	20.4	1.5	1.5	4.2	47.5	87.5
P. SALTATRIX	21	13	1				1	128						
C. HIPPOS	21	13	1				1	171					52.5	52.5
C. REGALIS	21	13	12	69	20	10	226	19573	280.5	18.3	.5	8.0	32.5	292.5
L. XANTHURUS	21	13	9	100	0	0	43	5170	43.7	2.7	8.8	13.5	37.5	112.5
T. MACULATUS	21	13	9	100	0	0	24	2318	80.8	4.2	5.9	36.9	52.5	137.5
							407	35357	621.6	43.8				
CRABS														
C. RAPIDUS	21	13	1	100	0	0	2	107	239.5	13.0	114.0	125.5	117.5	117.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL: L = LIVE; D = DEAD; DX = DAMAGED.

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 08/22/78 0000 THROUGH 08/22/78 2331

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	D*					MIN.	MAX.	MIN.	MAX.
FISHES														
B. TYRANNUS	15	11	3	100	0	0	3	163	16.6	.6	7.1	9.5	77.5	77.5
A. MITCHILLI	15	11	10	33	59	7	69	6710	89.7	7.3	.3	7.0	32.5	82.5
M. MENIDIA	15	11	2				7	422	6.2	.1	2.2	4.0	47.5	72.5
M. AMERICANA	15	11	1				1	76					242.5	242.5
P. SALTATRIX	15	11	1				1	19	26.0	.5	26.0	26.0	132.5	132.5
C. REGALIS	15	11	11	81	15	2	205	21329	244.8	16.9	1.2	10.2	42.5	112.5
L. XANTHURUS	15	11	3	33	33	33	4	183	71.6	3.0	11.4	31.2	92.5	127.5
T. MACULATUS	15	11	10	100	0	0	24	2923	109.0	7.7	7.1	39.4	62.5	127.5
							314	31825	563.9	36.1				
CRABS														
C. SAPIDUS	15	11	2	100	0	0	2	220	292.5	30.4	56.2	236.3	107.5	182.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

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TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 08/23/78 0100 THROUGH 08/23/78 2231

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL	ESTIMATED	TOTAL	ESTIMATED	WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	D*	NUMBER COLLECTED	NUMBER/ 24 HOURS	WEIGHT COLLECTED (GM)	WEIGHT/ 24 HOURS (KG)	MIN.	MAX.	MIN.	MAX.
FISHES														
B. TYRANNUS	17	13	4	100	0	0	5	627	6.6	.6	6.6	6.6	77.5	132.5
A. MITCHILLI	17	13	7	37	62	0	27	2876	29.4	2.4	2.1	3.4	32.5	92.5
C. HIPPOS	17	13	1				2	284					52.5	52.5
C. REGALIS	17	13	11	69	26	4	96	8402	75.1	4.8	.6	16.0	37.5	122.5
L. XANTHURUS	17	13	4				4	502					92.5	92.5
P. CROMIS	17	13	1				1	66					117.5	117.5
T. MACULATUS	17	13	8	100	0	0	13	1125	64.4	6.4	.7	30.6	32.5	117.5
							148	13882	175.5	14.2				
CRABS														
C. SAPIDUS	15	11	2	100	0	0	2	220	292.5	30.4	56.2	236.3	107.5	182.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 08/24/78 0000 THROUGH 08/24/78 2231

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	D*					MIN.	MAX.	MIN.	MAX.
FISHES														
A. ROSTRATA	18	10	1	100	0	0	1	32	27.1	.8	27.1	27.1	252.5	252.5
A. AESTIVALIS	18	10	1	0	100	0	1	112	15.5	1.7	15.5	15.5	122.5	122.5
B. TYRANNUS	18	10	2	60	0	39	3	174	25.2	2.2	4.3	15.6	67.5	102.5
A. MITCHILLI	18	10	6	41	58	0	34	2618	111.3	8.8	2.0	4.7	62.5	77.5
R. MARGINATA	18	10	1				1	20	8.4	.1	8.4	8.4	122.5	122.5
M. MENIDIA	18	10	3	73	26	0	6	609	12.9	1.3	1.2	4.9	57.5	82.5
C. HIPPOS	18	10	1	100	0	0	1	87					52.5	52.5
C. REGALIS	18	10	8	61	22	15	25	1984	45.8	3.9	.8	6.4	42.5	92.5
L. XANTHURUS	18	10	7	65	34	0	11	983	143.6	11.3	7.2	33.9	77.5	132.5
P. CROMIS	18	10	1	100	0	0	1	55	34.0	1.9	34.0	34.0	132.5	132.5
T. MACULATUS	18	10	5	100	0	0	12	1174	254.2	20.2	4.2	62.0	67.5	147.5
							96	7848	678.0	52.2				
CRABS														
C. SAPIDUS	18	10	4	100	0	0	6	490	652.5	55.2	2.8	191.7	32.5	172.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1

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TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 08/25/78 0000 THROUGH 08/25/78 2301

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	D*					MIN.	MAX.	MIN.	MAX.
FISHES														
A. ROSTRATA	15	11	1	100	0	0	1	93					307.5	307.5
B. TYRANNUS	15	11	3	100	0	0	7	483	6.1	.1	6.1	6.1	67.5	87.5
A. MITCHILLI	15	11	6	81	18	0	29	2356	28.7	2.8	2.8	5.5	62.5	77.5
M. MENIDIA	15	11	2	100	0	0	2	217	3.8	.4	1.5	2.3	57.5	72.5
C. REGALIS	15	11	9	79	17	3	162	16558	13.3	.8	1.2	4.0	37.5	107.5
L. XANTHURUS	15	11	6	56	13	30	15	985	181.2	13.8	8.2	44.4	87.5	142.5
P. CROMIS	15	11	1	100	0	0	1	62					112.5	112.5
P. TRIACANTHUS	15	11	1	100	0	0	1	62					57.5	57.5
T. MACULATUS	15	11	6	94	0	5	17	1626	187.0	18.4	1.2	60.4	32.5	142.5
							235	22442	420.1	36.3				
CRABS														
C. SAPIDUS	15	11	3	100	0	0	7	469	773.0	37.7	10.0	211.0	37.5	182.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

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SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 08/26/78 0130 THROUGH 08/26/78 2301

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	D*					MIN.	MAX.	MIN.	MAX.
FISHES														
B. TYRANNUS	12	12	1	100	0	0	1	117					92.5	92.5
A. MITCHILLI	12	12	7	51	46	1	42	4721					32.5	77.5
R. MARGINATA	12	12	1	100	0	0	1	66					147.5	147.5
M. MENIDIA	12	12	2	56	44	0	4	485					47.5	77.5
C. REGALIS	12	12	10	85	12	2	277	29983					37.5	97.5
L. XANTHURUS	12	12	3	69	30	0	4	418					97.5	167.5
P. CROMIS	12	12	2	100	0	0	1	66					97.5	97.5
P. TRIACANTHUS	12	12	1	100	0	0	1	133					62.5	62.5
T. MACULATUS	12	12	5	100	0	0	6	625					62.5	112.5
							337	36614						
CRABS														
C. SAPIDUS	12	12	3	100	0	0	5	742	.9	.1	.9	.9	27.5	172.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

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SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 08/27/78 0100 THROUGH 08/27/78 2301

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	D*					MIN.	MAX.	MIN.	MAX.
FISHES														
A. ROSTRATA	12	12	1	0	100	0	1	130					287.5	287.5
A. MITCHILLI	12	12	8	21	74	4	36	4949					27.5	77.5
R. MARGINATA	12	12	1	100	0	0	1	147					112.5	112.5
M. MENIDIA	12	12	2	100	0	0	6	785					52.5	72.5
C. REGALIS	12	12	7	67	21	10	68	7280					42.5	97.5
L. XANTHURUS	12	12	2	100	0	0	1	154					97.5	97.5
P. TRIACANTHUS	12	12	1	0	0	100	1	89					52.5	52.5
P. ALEPIDOTUS	12	12	1	100	0	0	1	130					37.5	37.5
T. MACULATUS	12	12	2	100	0	0	3	196					72.5	77.5
							118	13860						
CRABS														
C. SAPIDUS	12	12	5	100	0	0	5	492	398.3	40.3	1.1	216.6	32.5	177.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

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SALEM NUCLEAR GENERATING STATION UNIT 1
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SAMPLING PERIOD - 08/28/78 0100 THROUGH 08/28/78 2231

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	D*					MIN.	MAX.	MIN.	MAX.
FISHES														
B. TYRANNUS	16	12	2	0	100	0	1	66	15.6	1.0	15.6	15.6	102.5	102.5
A. MITCHILLI	16	12	5	24	75	0	16	1481	3.7	.1	.1	1.0	27.5	77.5
M. MENIDIA	16	12	3	76	23	0	4	401	1.7	.1	.7	1.0	47.5	57.5
C. REGALIS	16	12	5	96	3	0	9	920	11.7	.7	1.2	6.3	47.5	97.5
L. XANTHURUS	16	12	4	91	0	8	5	505	57.0	3.2	24.5	32.5	92.5	127.5
P. TRIACANTHUS	16	12	1				3	251					72.5	82.5
P. AMERICANUS	16	12	1				1	83						
							39	3707	89.7	5.1				
CRABS														
C. SAPIDUS	16	12	2	100	0	0	1	62	3.2	.2	3.2	3.2	32.5	32.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

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TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 08/29/78 0000 THROUGH 08/29/78 2231

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	D*					MIN.	MAX.	MIN.	MAX.
FISHES														
B. TYRANNUS	18	14	3	100	0	0	1	96					62.5	62.5
A. MITCHILLI	18	14	6	42	57	0	14	1436	2.5	.1	2.5	2.5	27.5	77.5
S. MARINA	18	14	1				1	138					92.5	92.5
M. MARTINICA	18	14	1	100	0	0	1	128					52.5	52.5
M. MENIDIA	18	14	2	0	100	0	3	221	1.4		.6	.8	42.5	47.5
P. SALTATRIX	18	14	1				1	20	11.3	.2	11.3	11.3	97.5	97.5
C. REGALIS	18	14	6	98	0	0	22	1696	5.5	.1	.8	1.4	42.5	77.5
L. XANTHURUS	18	14	3	67	0	32	4	201	42.3	1.7	8.1	22.0	82.5	132.5
P. TRIACANTHUS	18	14	3	100	0	0	6	276	12.6	.2	1.7	4.2	47.5	77.5
T. MACULATUS	18	14	5	100	0	0	8	599	28.0	.5	4.9	14.5	32.5	117.5
							61	4811	103.6	2.8				
CRABS														
C. SAPIDUS	18	14	1	100	0	0	1	128					22.5	22.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

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SALEM NUCLEAR GENERATING STATION UNIT 1
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TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 08/30/78 0000 THROUGH 08/30/78 2246

SPECIES	TOTAL MINUTES SAMPLED			Z SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	D*					MIN.	MAX.	MIN.	MAX.
FISHES														
A. SAPIDISSIMA	15	11	1	0	100	0	1	54					187.5	187.5
A. MITCHILLI	15	11	6	48	51	0	23	3586	33.3	4.1	2.3	3.8	37.5	77.5
R. MARGINATA	15	11	1	100	0	0	1	54					142.5	142.5
C. REGALIS	15	11	11	61	27	10	153	18593	291.5	29.2	.5	6.3	42.5	92.5
L. XANTHURUS	15	11	2	33	66	0	2	237	47.4	5.4	20.2	27.2	112.5	122.5
P. TRIACANTHUS	15	11	4	1	66	32	4	578	10.1	1.6	2.5	7.6	47.5	67.5
T. MACULATUS	15	11	6	100	0	0	13	1345	88.3	10.6	4.1	35.1	52.5	127.5
							197	24447	470.6	50.9				
CRABS														
C. SAPIDUS	15	11	2	100	0	0	2	300	2.9	.4	1.4	1.5	27.5	27.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

Z SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

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TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 08/31/78 0000 THROUGH 08/31/78 2231

SPECIES	TOTAL MINUTES SAMPLED			Z SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT COLLECTED (GM)	ESTIMATED WEIGHT/ 24 HOURS (KG)	WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	D*					MIN.	MAX.	MIN.	MAX.
FISHES														
A. ROSTRATA	34	14	1				1	29	39.3	1.2	39.3	39.3	262.5	262.5
A. AESTIVALIS	34	14	1	50	0	50	2	29	29.1	.4	13.7	15.4	122.5	122.5
B. TYRANNUS	34	14	4	81	0	18	4	235	53.0	2.7	5.5	39.5	67.5	147.5
A. MITCHILLI	34	14	11	30	62	6	71	3595	120.3	4.4	.1	5.3	27.5	87.5
R. MARGINATA	34	14	1				2	62	30.3	.9	11.1	19.2	127.5	152.5
M. MENIDIA	34	14	1	100	0	0	1	45	1.7		1.7	1.7	57.5	57.5
S. FUSCUS	34	14	1	100	0	0	1	9	1.1		1.1	1.1	127.5	127.5
M. AMERICANA	34	14	1	0	0	100	1	29	135.8	4.4	135.8	135.8	217.5	217.5
C. REGALIS	34	14	14	80	12	6	393	18157	938.3	32.6	.4	11.5	37.5	117.5
L. XANTHURUS	34	14	8	29	61	8	13	560	276.5	10.3	14.1	43.1	97.5	137.5
P. CROMIS	34	14	2	100	0	0	2	61	47.6	1.8	14.2	33.4	102.5	132.5
P. TRIACANTHUS	34	14	3	95	4	0	11	603	29.4	1.0	2.1	6.2	37.5	62.5
P. ALEPIDOTUS	34	14	2	100	0	0	2	75	9.6	.3	4.3	5.3	47.5	52.5
T. MACULATUS	34	14	8	100	0	0	16	853	252.8	7.0	6.4	73.0	37.5	157.5
							520	24342	1964.8	67.0				
CRABS														
C. SAPIDUS	34	14	8	58	6	34	10	460	635.5	27.2	.6	141.7	17.5	152.5

N = NUMBER OF SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

Z SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

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TABLE 3. - IMPINGEMENT - S.N.G.S. SERVICE WATER SYSTEM INTAKE, 1 AUGUST 1978 TO 31 AUGUST 1978.

SAMPLING PERIOD - 08/02/78 0730 TO 08/03/78 0730

NUMBER OF PUMPS 4 - 4

SPECIES	TOTAL NUMBER COLLECTED	TOTAL WT. (GM) COLLECTED	WEIGHT (GM)		LENGTH (MM)	
			MIN.	MAX.	MIN.	MAX.
L. XANTHURUS	1	32.30	32.3	32.3	127.5	127.5
B. TYRANNUS	1	4.00	4.0	4.0	72.5	72.5
T. MACULATUS	2	9.40	3.2	6.2	62.5	72.5
C. REGALIS	48	87.20	1.0	4.5	47.5	82.5
P. SALTATRIX	1	4.70	4.7	4.7	77.5	77.5
A. MITCHILLI	3	6.50	2.0	2.7	57.5	67.5
I. NEBULOSUS	1	2.60	2.6	2.6	57.5	57.5
TOTAL	57	146.70				

IMPINGEMENT MONITORING PROGRAM
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TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 08/03/78 0730 TO 08/04/78 0730

NUMBER OF PUMPS 4 - 4

SPECIES	TOTAL NUMBER COLLECTED	TOTAL WT. (GM) COLLECTED	WEIGHT (GM)		LENGTH (MM)	
			MIN.	MAX.	MIN.	MAX.
C. REGALIS	28	67.30	2.0	5.0	42.5	82.5
L. XANTHURUS	3	35.40	8.5	18.8	82.5	107.5
I. NEBULOSUS	1	5.80	5.8	5.8	72.5	72.5
T. MACULATUS	2	16.10	5.2	10.9	62.5	72.5
B. TYRANNUS	1	1.90	1.9	1.9	57.5	57.5
R. MARGINATA	1	32.80	32.8	32.8	192.5	192.5
A. ROSTRATA	1	62.80	62.8	62.8	322.5	322.5
C. SAPIDUS	1	89.30	89.3	89.3	112.5	112.5
TOTAL	38	311.40				

IMPINGEMENT MONITORING PROGRAM
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TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 08/07/78 1115 TO 08/08/78 1115

NUMBER OF PUMPS 4 - 4

SPECIES	TOTAL NUMBER COLLECTED	TOTAL WT. (GM) COLLECTED	WEIGHT (GM)		LENGTH (MM)	
			MIN.	MAX.	MIN.	MAX.
C. REGALIS	2	7.40	3.4	4.0	72.5	77.5
L. XANTHURUS	2	51.60	19.0	32.6	112.5	127.5
C. SAPIDUS	3	164.00	23.6	103.4	77.5	192.5
A. ROSTRATA	1	94.70	94.7	94.7	382.5	382.5
A. MITCHILLI	3	7.40	2.4	2.5	62.5	67.5
S. MARINA	1	0.30	.3	.3	177.5	177.5
T. MACULATUS	2	82.70	2.6	80.1	57.5	162.5
TOTAL	14	408.10				

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TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 08/09/78 0745 TO 08/10/78 0745

NUMBER OF PUMPS 4 - 4

SPECIES	TOTAL NUMBER COLLECTED	TOTAL WT. (GM) COLLECTED	WEIGHT (GM)		LENGTH (MM)	
			MIN.	MAX.	MIN.	MAX.
C. CARPIO	1	93.00	93.0	93.0	177.5	177.5
L. XANTHURUS	1	27.40	27.4	27.4	122.5	122.5
C. SAPIDUS	2	225.40	92.0	133.4	122.5	142.5
C. REGALIS	6	11.50	.4	4.6	42.5	82.5
A. ROSTRATA	1	189.70	189.7	189.7	492.5	492.5
A. MITCHILLI	7	14.20	.4	3.6	37.5	72.5
TOTAL	18	561.20				

IMPINGEMENT MONITORING PROGRAM
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TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 08/10/78 0745 TO 08/11/78 0745

NUMBER OF PUMPS 4 - 4

SPECIES	TOTAL NUMBER COLLECTED	TOTAL WT. (GM) COLLECTED	WEIGHT (GM)		LENGTH (MM)	
			MIN.	MAX.	MIN.	MAX.
C. REGALIS	2	2.50	.5	2.0	62.5	72.5
L. XANTHURUS	4	105.00	9.9	36.3	92.5	142.5
C. SAPIDUS	1	63.70	63.7	63.7	97.5	97.5
A. MITCHILLI	3	8.00	2.1	2.8	57.5	72.5
T. MACULATUS	1	4.30	4.3	4.3	57.5	57.5
A. ROSTRATA	1	74.70	74.7	74.7	337.5	337.5
TOTAL	12	258.20				

IMPINGEMENT MONITORING PROGRAM
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TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 08/14/78 0730 TO 08/15/78 0730

NUMBER OF PUMPS 4 - 4

SPECIES	TOTAL NUMBER COLLECTED	TOTAL WT. (GM) COLLECTED	WEIGHT (GM)		LENGTH (MM)	
			MIN.	MAX.	MIN.	MAX.
C. REGALIS	11	22.50	.3	4.6	37.5	72.5
L. XANTHURUS	3	78.30	21.8	33.1	117.5	127.5
B. TYRANNUS	1	5.20	5.2	5.2	72.5	72.5
M. MENIDIA	1	1.60	1.6	1.6	62.5	62.5
A. MITCHILLI	4	15.70	1.8	4.0	62.5	67.5
S. FUSCUS	2	1.60	.7	.9	127.5	142.5
R. MARGINATA	1	16.70	16.7	16.7	142.5	142.5
TOTAL	25	141.60				

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TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 08/16/78 0730 TO 08/17/78 0730

NUMBER OF PUMPS 4 - 4

SPECIES	TOTAL NUMBER COLLECTED	TOTAL WT. (GM) COLLECTED	WEIGHT (GM)		LENGTH (MM)	
			MIN.	MAX.	MIN.	MAX.
A. ROSTRATA	1	18.10	18.5	18.5	222.5	222.5
L. XANTHURUS	4	84.80	13.9	25.5	82.5	122.5
T. MACULATUS	4	59.30	4.3	43.6	62.5	132.5
C. REGALIS	5	7.40	.5	3.9	32.5	77.5
A. MITCHILLI	2	3.90	1.7	2.2	57.5	62.5
TOTAL	16	173.50				

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TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 08/17/78 0730 TO 08/18/78 0730

NUMBER OF PUMPS 4 - 4

SPECIES	TOTAL NUMBER COLLECTED	TOTAL WT. (GM) COLLECTED	WEIGHT (GM)		LENGTH (MM)	
			MIN.	MAX.	MIN.	MAX.
C. REGALIS	5	13.50	.5	6.2	42.5	87.5
L. XANTHURUS	2	50.60	16.7	33.9	107.5	137.5
N. MENIDIA	1	1.80	1.8	1.9	57.5	57.5
P. SALTATRIX	1	13.20	13.2	13.2	112.5	112.5
B. TYRANNUS	1	13.30	13.3	13.3	117.5	117.5
T. MACULATUS	14	188.60	3.4	67.4	57.5	162.5
A. ROSTRATA	2	203.40	80.9	122.5	357.5	402.5
P. DENTATUS	1	37.20	37.2	37.2	162.5	162.5
C. SAPIDUS	1	43.20	43.2	43.2	117.5	117.5
TOTAL	28	564.80				

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TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 08/21/78 1930 TO 08/22/78 0730

NUMBER OF PUMPS 4 - 4

SPECIES	TOTAL NUMBER COLLECTED	TOTAL WT. (GM) COLLECTED	WEIGHT (GM)		LENGTH (MM)	
			MIN.	MAX.	MIN.	MAX.
C. REGALIS	4	10.20	2.0	5.1	242.5	292.5
A. MITCHILLI	4	13.50	2.0	4.5	267.5	277.5
T. MACULATUS	2	12.30	5.8	6.5	272.5	272.5
TOTAL	10	36.00				

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TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 08/22/78 1930 TO 08/23/78 0730

NUMBER OF PUMPS 4 - 4

SPECIES	TOTAL NUMBER COLLECTED	TOTAL WT. (GM) COLLECTED	WEIGHT (GM)		LENGTH (MM)	
			MIN.	MAX.	MIN.	MAX.
A. PSEUDOHARENGUS	1	4.50	4.5	4.5	77.5	77.5
A. MITCHILLI	2	2.90	.8	2.1	32.5	57.5
TOTAL	3	7.40				

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TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 08/23/78 0730 TO 08/24/78 0730

NUMBER OF PUMPS 4 - 4

SPECIES	TOTAL NUMBER COLLECTED	TOTAL WT. (GM) COLLECTED	WEIGHT (GM)		LENGTH (MM)	
			MIN.	MAX.	MIN.	MAX.
C. REGALIS	4	9.80	.5	4.2	37.5	72.5
B. TYRANNUS	1	7.70	7.7	7.7	82.5	82.5
C. SAPIDUS	1	146.50	146.5	146.5	152.5	152.5
TOTAL	8	164.00				

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TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 08/24/78 0730 TO 08/25/78 0730

NUMBER OF PUMPS 4 - 4

SPECIES	TOTAL NUMBER COLLECTED	TOTAL WT. (GM) COLLECTED	WEIGHT (GM)		LENGTH (MM)	
			MIN.	MAX.	MIN.	MAX.
C. REGALIS	1	2.30	2.3	2.3	57.5	57.5
A. MITCHILLI	1	2.50	2.5	2.5	67.5	67.5
TOTAL	2	7.30				

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TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 08/28/78 0730 TO 08/29/78 0730

NUMBER OF PUMPS 4 - 4

SPECIES	TOTAL NUMBER COLLECTED	TOTAL WT. (GM) COLLECTED	WEIGHT (GM)		LENGTH (MM)	
			MIN.	MAX.	MIN.	MAX.
L. XANTHURUS	3	144.80	2.5	59.1	127.5	152.5
P. TRIACANTHUS	1	4.30	4.3	4.3	52.5	52.5
A. MITCHILLI	2	1.50	.5	1.0	32.5	37.5
TOTAL	6	150.60				

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TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 08/30/78 0730 TO 08/31/78 0730

NUMBER OF PUMPS 4 - 4

SPECIES	TOTAL NUMBER COLLECTED	TOTAL WT. (GM) COLLECTED	WEIGHT (GM)		LENGTH (MM)	
			MIN.	MAX.	MIN.	MAX.
C. REGALIS	2	4.30	1.6	2.7	52.5	67.5
L. XANTHURUS	2	54.70	1.6	1.6		
TOTAL	4	59.00				

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TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 08/31/78 0730 TO 09/01/78 0730

NUMBER OF PUMPS 4 - 4

SPECIES	TOTAL NUMBER COLLECTED	TOTAL WT. (GM) COLLECTED	WEIGHT (GM)		LENGTH (MM)	
			MIN.	MAX.	MIN.	MAX.
M. SAXATILIS	1	49.10	49.1	49.1	172.5	172.5
L. XANTHURUS	2	43.20	17.4	25.8	107.5	122.5
C. REGALIS	6	15.00	.5	5.0	37.5	77.5
A. MITCHILLI	2	1.60	.7	.9	32.5	37.5
TOTAL	11	108.90				

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