

IMPINGEMENT MONITORING PROGRAM

REPORT NO. 20 - NOVEMBER 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
DECEMBER 15, 1978

SUMMARY

This is the twentieth 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 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.

Salem was taken out of service on October 12, 1978 and continued to operate only one CWS pump until November 12, 1978. Four pumps were run until November 20, after which the number of pumps varied with the operating conditions.

Bay anchovy (Anchoa mitchilli) was the dominant species impinged from November 1 through 20, during single and four pump operation. Blueback herring (Alosa aestivalis) was dominant from November 20 through November 25, thereafter spot (Leiostomus xanthurus) and white perch (Morone americana) were dominant till the end of the month.

Recent reports from Salem indicate that the blueback herring and white perch have left the area of the plant as water temperature has dropped below 5°C.

MB# @ \$, THROUGH INTAKE PAYER, DEBRIS WEIGHT (KG/MIN), WATER TEMPERATURE (C), PUMPS IN OPERATION AND SCREEN SPEEDS ARE INDICATED (0=OFF, 1=ON, 1=5 FT/MIN, 2=10 FT/MIN, 3=15 FT/MIN, 4=20 FT/MIN).

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS HEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1	1	1	1	1	1	2	2	2	2	2	2
11/01/78	0000	3	1.70	13.8	PUMPS (2)	0	0	0	0	*	*	0	0	0	0	0	0
					SCREENS (2)	0	0	0	0	1	1	0	0	0	0	0	0
11/01/78	0200	1	0.40	13.8	PUMPS (2)	0	0	0	0	*	*	0	0	0	0	0	0
					SCREENS (2)	0	0	0	0	1	1	0	0	0	0	0	0
11/01/78	0400	1	0.90	13.5	PUMRS (2)	0	0	0	0	*	*	0	0	0	0	0	0
					SCREENS (2)	0	0	0	0	1	1	0	0	0	0	0	0
11/01/78	0600	3	0.36	13.0	PUMPS (2)	0	0	0	0	*	*	0	0	0	0	0	0
					SCREENS (2)	0	0	0	0	1	1	0	0	0	0	0	0
11/01/78	0900	1	0.50	13.0	PUMRS (2)	0	0	0	0	*	*	0	0	0	0	0	0
					SCREENS (2)	0	0	0	0	1	1	0	0	0	0	0	0
11/01/78	1030	1	0.20	13.8	PUMPS (2)	0	0	0	0	*	*	0	0	0	0	0	0
					SCREENS (2)	0	0	0	0	1	1	0	0	0	0	0	0
11/01/78	1230	3	0.20	14.5	PUMRS (2)	0	0	0	0	*	*	0	0	0	0	0	0
					SCREENS (2)	0	0	0	0	1	1	0	0	0	0	0	0
11/01/78	1400	1	1.30	14.5	PUMRS (2)	0	0	0	0	*	*	0	0	0	0	0	0
					SCREENS (2)	0	0	0	0	1	1	0	0	0	0	0	0
11/01/78	1600	1	2.40	15.0	PUMRS (2)	0	0	0	0	*	*	0	0	0	0	0	0
					SCREENS (2)	0	0	0	0	1	1	0	0	0	0	0	0
11/01/78	1800	3	0.10	14.9	PUMPS (2)	0	0	0	0	*	*	0	0	0	0	0	0
					SCREENS (2)	0	0	0	0	1	1	0	0	0	0	0	0
11/01/78	2100	1	0.50	14.5	PUMRS (2)	0	0	0	0	*	*	0	0	0	0	0	0
					SCREENS (2)	0	0	0	0	1	1	0	0	0	0	0	0
11/01/78	2230	1	0.20	14.0	PUMRS (2)	0	0	0	0	*	*	0	0	0	0	0	0
					SCREENS (2)	0	0	0	0	1	1	0	0	0	0	0	0
11/02/78	0000	3	1.06	14.0	PUMPS (2)	0	0	0	0	*	*	0	0	0	0	0	0
					SCREENS (2)	0	0	0	0	1	1	0	0	0	0	0	0
11/02/78	0200	1	0.20	13.7	PUMPS (1)	0	0	0	0	*	*	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0	0

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

TABLE 1, - (CONTINUED),

DATE	SAMPLE START TIME	DUR, (MIN)	DETRITUS HEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1	1	1	1	1	2	2	2	2	2	2
						3	3	2	2	1	1	1	1	2	2	3
						B	A	B	A	B	A	B	A	B	A	B
11/02/78	0400	1	0.15	13.5	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0
11/02/78	0600	3	0.10	13.8	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0
11/02/78	0915	1	1.10	12.2	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (2)	0	0	0	0	1	2	0	0	0	0	0
11/02/78	1030	1	0.75	13.5	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (2)	0	0	0	0	1	2	0	0	0	0	0
11/02/78	1200	3	0.22	14.0	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (2)	0	0	0	0	1	2	0	0	0	0	0
11/02/78	1405	1	0.46	14.1	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (2)	0	0	0	0	1	1	0	0	0	0	0
11/02/78	1600	1	1.40	14.2	PUMPS (2)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (2)	0	0	0	0	2	1	0	0	0	0	0
11/02/78	1800	3	1.06	14.5	PUMPS (2)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (2)	0	0	0	0	1	1	0	0	0	0	0
11/02/78	2100	1	1.10	13.8	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (2)	0	0	0	0	1	1	0	0	0	0	0
11/02/78	2230	1	0.40	12.5	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (2)	0	0	0	0	1	1	0	0	0	0	0
11/03/78	0000	3	0.06	14.0	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0
11/03/78	0200	1	0.30	13.7	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0
11/03/78	0400	1	0.10	13.2	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0
11/03/78	0600	3	0.10	13.2	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0

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TABLE 1. (CONTINUED),

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS HEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER INTAKE BAYS	1 1 1 1 1 1 2 2 2 2 2 2 3 3 3
						B A B A B A B A B A B A B A B
11/03/78	0900	1	0.00	13.0	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0 0	
					SCREENS (1) 0 0 0 0 1 0 0 0 0 0 0 0 0	
11/03/78	1040	1	0.00	14.9	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0 0	
					SCREENS (1) 0 0 0 0 1 0 0 0 0 0 0 0 0	
11/03/78	1200	1	0.00	14.5	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0 0	
					SCREENS (1) 0 0 0 0 1 0 0 0 0 0 0 0 0	
11/03/78	1415	1	0.00	15.0	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0 0	
					SCREENS (1) 0 0 0 0 1 0 0 0 0 0 0 0 0	
11/03/78	1600	1	0.00	14.5	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0 0	
					SCREENS (1) 0 0 0 0 1 0 0 0 0 0 0 0 0	
11/03/78	1800	1	0.00	14.3	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0 0	
					SCREENS (1) 0 0 0 0 1 0 0 0 0 0 0 0 0	
11/03/78	1930	1	0.00	14.2	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0 0	
					SCREENS (1) 0 0 0 0 1 0 0 0 0 0 0 0 0	
11/03/78	2100	1	0.40	14.0	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0 0	
					SCREENS (1) 0 0 0 0 1 0 0 0 0 0 0 0 0	
11/03/78	2300	1	0.40	13.9	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0 0	
					SCREENS (1) 0 0 0 0 1 0 0 0 0 0 0 0 0	
11/04/78	0100	1	0.10	13.7	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0 0	
					SCREENS (1) 0 0 0 0 1 0 0 0 0 0 0 0 0	
11/04/78	0300	1	0.40	13.4	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0 0	
					SCREENS (1) 0 0 0 0 1 0 0 0 0 0 0 0 0	
11/04/78	0500	1	0.30	13.2	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0 0	
					SCREENS (1) 0 0 0 0 1 0 0 0 0 0 0 0 0	
11/04/78	0700	1	0.30	13.2	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0 0	
					SCREENS (1) 0 0 0 0 1 0 0 0 0 0 0 0 0	
11/04/78	0900	1	0.00	14.0	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0 0	
					SCREENS (1) 0 0 0 0 1 0 0 0 0 0 0 0 0	

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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	3 3 2 2 1 1 1 1 2 2 3 3	B A B A B A A B A B A B
11/04/78	1030	1	0.00	14.2	PUMPS (1)	0 0 0 0	* 0 0 0 0 0 0 0 0	
					SCREENS (1)	0 0 0 0	1 0 0 0 0 0 0 0	
11/04/78	1200	1	0.00	13.2	PUMPS (1)	0 0 0 0	* 0 0 0 0 0 0 0 0	
					SCREENS (1)	0 0 0 0	1 0 0 0 0 0 0 0	
11/04/78	1400	1	0.00	13.5	PUMPS (1)	0 0 0 0	* 0 0 0 0 0 0 0 0	
					SCREENS (1)	0 0 0 0	1 0 0 0 0 0 0 0	
11/04/78	1600	1	0.00	14.5	PUMPS (1)	0 0 0 0	* 0 0 0 0 0 0 0 0	
					SCREENS (1)	0 0 0 0	1 0 0 0 0 0 0 0	
11/04/78	1800	1	0.00	13.5	PUMPS (1)	0 0 0 0	* 0 0 0 0 0 0 0 0	
					SCREENS (1)	0 0 0 0	1 0 0 0 0 0 0 0	
11/04/78	1930	1	0.00	13.8	PUMPS (1)	0 0 0 0	* 0 0 0 0 0 0 0 0	
					SCREENS (1)	0 0 0 0	1 0 0 0 0 0 0 0	
11/04/78	2100	1	0.10	13.8	PUMPS (1)	0 0 0 0	* 0 0 0 0 0 0 0 0	
					SCREENS (1)	0 0 0 0	1 0 0 0 0 0 0 0	
11/04/78	2300	1	0.50	13.5	PUMPS (1)	0 0 0 0	* 0 0 0 0 0 0 0 0	
					SCREENS (1)	0 0 0 0	1 0 0 0 0 0 0 0	
11/05/78	0100	1	0.10	13.5	PUMPS (1)	0 0 0 0	* 0 0 0 0 0 0 0 0	
					SCREENS (1)	0 0 0 0	1 0 0 0 0 0 0 0	
11/05/78	0300	1	0.20	13.4	PUMPS (1)	0 0 0 0	* 0 0 0 0 0 0 0 0	
					SCREENS (1)	0 0 0 0	1 0 0 0 0 0 0 0	
11/05/78	0500	1	0.20	13.4	PUMPS (1)	0 0 0 0	* 0 0 0 0 0 0 0 0	
					SCREENS (1)	0 0 0 0	1 0 0 0 0 0 0 0	
11/05/78	0700	1	0.40	13.3	PUMPS (1)	0 0 0 0	* 0 0 0 0 0 0 0 0	
					SCREENS (1)	0 0 0 0	1 0 0 0 0 0 0 0	
11/05/78	0900	1	0.20	13.5	PUMPS (1)	0 0 0 0	* 0 0 0 0 0 0 0 0	
					SCREENS (1)	0 0 0 0	1 0 0 0 0 0 0 0	
11/05/78	1030	1	0.50	13.8	PUMPS (1)	0 0 0 0	* 0 0 0 0 0 0 0 0	
					SCREENS (1)	0 0 0 0	1 0 0 0 0 0 0 0	

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PSE&G, NEWARK, N.J.

DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER	1	1	1	1	1	2	2	2	2	2	2
					INTAKE BAYS	B	A	B	A	B	A	B	A	B	A	B

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DATE	SAMPLE START TIME	DUR. (MIN)	DETRITUS WEIGHT (KG/MIN)	WATER TEMPERATURE (C)	CIRCULATING WATER	1	1	1	1	1	1	2	2	2	2	2	2
					INTAKE BAYS	B	A	B	A	B	A	A	B	A	B	A	B

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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 2 2 2 2 2 2	3 3 2 2 1 1 1 2 3 3	B A B A B A B A B A B
11/07/78	1600	1	0.10	14.6	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0	SCREENS (1) 0 0 0 0 1 0 0 0 0 0 0 0		
11/07/78	1800	3	0.16	14.0	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0	SCREENS (1) 0 0 0 0 1 0 0 0 0 0 0 0		
11/07/78	2100	1	0.20	14.2	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0	SCREENS (1) 0 0 0 0 1 0 0 0 0 0 0 0		
11/07/78	2230	1	0.20	14.1	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0	SCREENS (1) 0 0 0 0 1 0 0 0 0 0 0 0		
11/08/78	0000	3	1.33	14.0	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0	SCREENS (1) 0 0 0 0 1 0 0 0 0 0 0 0		
11/08/78	0130	1	0.40	13.9	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0	SCREENS (1) 0 0 0 0 1 0 0 0 0 0 0 0		
11/08/78	0400	1	0.30	13.1	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0	SCREENS (1) 0 0 0 0 1 0 0 0 0 0 0 0		
11/08/78	0600	3	0.06	13.0	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0	SCREENS (1) 0 0 0 0 1 0 0 0 0 0 0 0		
11/08/78	0900	1	0.20	13.0	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0	SCREENS (2) 0 0 1 0 1 0 0 0 0 0 0 0		
11/08/78	1030	1	0.20	13.2	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0	SCREENS (2) 0 0 1 0 1 0 0 0 0 0 0 0		
11/08/78	1200	3	0.03	13.0	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0	SCREENS (2) 0 0 1 0 1 0 0 0 0 0 0 0		
11/08/78	1400	1	0.40	13.1	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0	SCREENS (2) 0 0 1 0 1 0 0 0 0 0 0 0		
11/08/78	1600	1	0.20	13.0	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0	SCREENS (2) 0 0 1 0 1 0 0 0 0 0 0 0		
11/08/78	1800	3	0.06	13.0	PUMPS (1) 0 0 0 0 * 0 0 0 0 0 0 0	SCREENS (2) 0 0 1 0 1 0 0 0 0 0 0 0		

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SALEM NUCLEAR GENERATING STATION UNIT 1
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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
11/08/78	2130	1	0.60	12.9	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (2)	0	0	1	0	1	0	0	0	0	0	0	0
11/08/78	2230	1	0.40	13.1	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (2)	0	0	1	0	1	0	0	0	0	0	0	0
11/09/78	0000	3	0.36	13.0	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (2)	0	0	1	0	1	0	0	0	0	0	0	0
11/09/78	0130	1	0.30	12.6	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (2)	0	0	1	0	1	0	0	0	0	0	0	0
11/09/78	0400	1	0.50	12.0	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (2)	0	0	1	0	1	0	0	0	0	0	0	0
11/09/78	0600	3	0.06	11.8	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (2)	0	0	1	0	1	0	0	0	0	0	0	0
11/09/78	0857	1	0.80	12.0	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (2)	0	0	1	0	1	0	0	0	0	0	0	0
11/09/78	1015	1	0.60	12.0	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (2)	0	0	1	0	1	0	0	0	0	0	0	0
11/09/78	1128	1	1.80	12.0	PUMPS (2)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (2)	0	0	1	0	1	0	0	0	0	0	0	0
11/09/78	1225	1	1.50	12.5	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (2)	0	0	1	0	1	0	0	0	0	0	0	0
11/09/78	1426	1	0.60	13.0	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (2)	0	0	1	0	1	0	0	0	0	0	0	0
11/09/78	1600	1	3.40	13.0	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (2)	0	0	1	0	1	0	0	0	0	0	0	0
11/09/78	1800	1	0.80	13.0	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (2)	0	0	1	0	1	0	0	0	0	0	0	0
11/09/78	2100	1	0.80	13.3	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0	0

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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	2	2	2	2	2	2
						3	3	2	2	1	1	1	1	2	2	3
						B	A	B	A	B	A	B	A	B	A	B
11/09/78	2230	1	1.20	13.1	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0
11/10/78	0000	3	0.43	12.0	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0
11/10/78	0200	1	2.30	11.3	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	2	0	0	0	0	0	0
11/10/78	0400	1	0.40	11.5	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0
11/10/78	0600	3	0.10	12.0	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0
11/10/78	0715	1	0.20	12.0	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0
11/10/78	0920	1	2.50	13.0	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0
11/10/78	1015	1	0.60	13.0	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0
11/10/78	1115	1	0.40	13.5	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0
11/10/78	1230	1	0.80	13.5	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0
11/10/78	1400	1	0.80	13.5	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0
11/10/78	1600	1	2.20	13.5	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0
11/10/78	1800	1	0.60	13.5	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0
11/10/78	2100	1	0.00	13.0	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	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 DAYS	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
11/10/78	2230	1	0.00	13.0	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0	0
11/11/78	0000	1	0.00	12.2	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0	0
11/11/78	0130	1	0.00	11.4	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0	0
11/11/78	0330	1	0.00	11.0	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0	0
11/11/78	0530	1	0.00	11.4	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0	0
11/11/78	0700	1	0.00	11.8	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0	0
11/11/78	0830	1	0.40	13.0	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0	0
11/11/78	1000	1	1.20	13.0	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0	0
11/11/78	1100	1	1.30	13.0	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0	0
11/11/78	1200	1	1.20	13.5	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0	0
11/11/78	1400	1	0.50	13.5	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0	0
11/11/78	1600	1	0.30	14.0	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0	0
11/11/78	1800	1	1.00	13.5	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0	0
11/11/78	2100	1	0.00	13.5	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	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 DAYS	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
11/11/78	2230	1	0.00	13.3	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0	0
11/12/78	0000	1	0.00	13.0	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0	0
11/12/78	0130	1	0.00	12.7	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0	0
11/12/78	0330	1	0.00	12.5	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0	0
11/12/78	0530	1	0.00	12.3	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0	0
11/12/78	0700	1	0.00	12.0	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (1)	0	0	0	0	1	0	0	0	0	0	0	0
11/12/78	0920	1	0.40	12.4	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (2)	0	0	0	1	1	0	0	0	0	0	0	0
11/12/78	0928	1	0.20	12.4	PUMPS (1)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (2)	0	0	0	1	1	0	0	0	0	0	0	0
11/12/78	1200	1	6.00	12.0	PUMPS (2)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (2)	0	0	0	1	1	0	0	0	0	0	0	0
11/12/78	1400	1	7.80	13.0	PUMPS (2)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (2)	0	0	0	1	1	0	0	0	0	0	0	0
11/12/78	1600	1	1.70	13.0	PUMPS (2)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (3)	0	1	0	1	1	0	0	0	0	0	0	0
11/12/78	2030	1	0.00	12.4	PUMPS (3)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (2)	0	0	0	2	1	0	0	0	0	0	0	0
11/12/78	2230	1	0.00	12.5	PUMPS (2)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (3)	0	0	0	2	1	1	0	0	0	0	0	0
11/13/78	0030	1	0.00	12.6	PUMPS (2)	0	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (3)	0	0	0	2	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
						3	3	2	2	1	1	1	1	2	2	3	3
						B	A	B	A	B	A	B	A	B	A	B	A
11/13/78	0230	1	0.00	12.3	PUMPS (2)	0	0	0	*	*	0	0	0	0	0	0	0
					SCREENS (2)	0	0	0	2	1	0	0	0	0	0	0	0
11/13/78	0430	1	0.00	12.0	PUMPS (2)	0	0	0	*	*	0	0	0	0	0	0	0
					SCREENS (2)	0	0	0	2	1	0	0	0	0	0	0	0
11/13/78	0700	1	0.00	12.2	PUMPS (2)	0	0	0	*	*	0	0	0	0	0	0	0
					SCREENS (2)	0	0	0	2	1	0	0	0	0	0	0	0
11/13/78	0900	1	4.40	13.0	PUMPS (3)	0	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (3)	0	0	0	2	1	2	0	0	0	0	0	0
11/13/78	1030	1	7.90	12.0	PUMPS (4)	0	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (4)	0	0	4	2	1	1	0	0	0	0	0	0
11/13/78	1200	3	2.43	13.2	PUMPS (4)	0	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (4)	0	0	4	2	1	1	0	0	0	0	0	0
11/13/78	1350	1	8.40	13.5	PUMPS (4)	0	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (4)	0	0	4	2	1	1	0	0	0	0	0	0
11/13/78	1440	1	9.40	14.3	PUMPS (4)	0	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (4)	0	0	1	2	1	1	0	0	0	0	0	0
11/13/78	1600	1	9.60	12.6	PUMPS (4)	0	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (4)	0	0	3	1	1	1	0	0	0	0	0	0
11/13/78	1800	3	16.43	14.0	PUMPS (4)	0	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (4)	0	0	4	1	2	2	0	0	0	0	0	0
11/13/78	2100	1	1.70	10.0	PUMPS (4)	0	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (4)	0	0	4	1	1	1	0	0	0	0	0	0
11/13/78	2230	1	0.60	12.7	PUMPS (4)	0	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (4)	0	0	4	1	1	1	0	0	0	0	0	0
11/14/78	0000	3	1.50	12.3	PUMPS (4)	0	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (4)	0	0	4	1	1	1	0	0	0	0	0	0
11/14/78	0300	1	2.80	12.8	PUMPS (4)	0	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (4)	0	0	4	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
						3	3	2	2	1	1	1	1	2	2	3	3
						B	A	B	A	B	A	B	A	B	A	B	A
11/14/78	0600	3	1.60	13.0	PUMPS (4)	0	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (4)	0	0	4	1	1	1	0	0	0	0	0	0
11/14/78	0900	1	0.80	13.0	PUMPS (4)	0	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (4)	0	0	4	1	1	1	0	0	0	0	0	0
11/14/78	1100	1	0.40	13.0	PUMPS (4)	0	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (4)	0	0	4	1	1	1	0	0	0	0	0	0
11/14/78	1300	1	1.20	13.8	PUMPS (4)	0	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (4)	0	0	1	1	1	1	0	0	0	0	0	0
11/14/78	1500	1	2.90	14.2	PUMPS (4)	0	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (4)	0	0	1	1	1	1	0	0	0	0	0	0
11/14/78	1630	1	6.40	13.8	PUMPS (4)	0	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (4)	0	0	1	1	1	1	0	0	0	0	0	0
11/14/78	2100	1	0.00	14.2	PUMPS (4)	0	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (3)	0	0	0	1	1	1	0	0	0	0	0	0
11/14/78	2230	1	0.00	14.2	PUMPS (4)	0	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (3)	0	0	0	1	1	1	0	0	0	0	0	0
11/15/78	0000	1	0.00	14.1	PUMPS (4)	0	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (4)	0	0	1	1	1	1	0	0	0	0	0	0
11/15/78	0300	1	0.00	14.1	PUMPS (4)	0	0	*	*	*	*	0	0	0	0	0	0
					SCREENS (3)	0	0	0	1	1	1	0	0	0	0	0	0
11/15/78	0600	1	0.00	14.0	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/15/78	0730	1	0.00	14.0	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/15/78	0905	1	2.00	14.0	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/15/78	1030	1	0.70	13.8	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	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
						3	3	2	2	1	1	1	1	2	2	3	3
						B	A	B	A	B	A	B	A	B	A	B	A
11/15/78	1200	1	0.30	13.9	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/15/78	1400	1	2.60	13.9	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	3	1	0	0	0	0	0	0
11/15/78	1600	1	2.80	12.8	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/15/78	1800	3	0.53	13.4	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/15/78	2100	1	1.20	13.1	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/15/78	2230	1	2.50	13.1	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/16/78	0000	3	0.60	13.0	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/16/78	0300	1	5.10	13.1	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/16/78	0600	3	1.80	12.8	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/16/78	0900	1	1.20	12.6	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/16/78	1030	1	0.60	12.3	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/16/78	1200	3	0.36	11.9	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/16/78	1400	1	2.80	12.0	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/16/78	1600	1	2.80	11.8	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	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 DAYS	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
11/16/78	1800	3	2.40	13.1	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/16/78	1830	3	0.76	13.1	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/16/78	2100	1	0.80	13.1	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/16/78	2230	1	0.30	13.0	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/17/78	0000	3	0.16	12.8	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/17/78	0300	1	0.70	13.4	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/17/78	0600	3	0.36	13.5	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/17/78	0930	1	0.00	13.4	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/17/78	1100	1	0.00	13.2	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/17/78	1230	1	0.00	12.6	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/17/78	1430	1	0.00	12.9	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/17/78	1600	1	0.00	13.5	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	2	0	0	1	1	1	0	0	0	0	0	0
11/17/78	1830	1	0.00	13.8	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/17/78	2100	1	0.00	13.5	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	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 DAYS	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
11/17/78	2200	1	0.00	13.7	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/17/78	2300	1	0.00	13.9	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/18/78	0000	1	0.00	14.0	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/18/78	0300	1	0.00	15.0	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/18/78	0500	1	0.00	15.0	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/18/78	0700	1	0.00	14.3	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	2	0	0	1	1	1	0	0	0	0	0	0
11/18/78	0900	1	0.00	15.6	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/18/78	1030	1	0.00	15.4	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	1	0	0	0	0	0
11/18/78	1200	1	0.00	15.1	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/18/78	1400	1	0.00	15.5	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/18/78	1600	1	0.00	15.4	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/18/78	1830	1	0.00	14.9	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/18/78	2100	1	0.00	13.8	PUMPS (4)	0	*	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	0	1	0	1	1	1	0	0	0	0	0	0
11/18/78	2230	1	0.00	12.4	PUMPS (4)	0	*	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	0	1	0	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
						3	3	2	2	1	1	1	1	2	2	3	3
						B	A	B	A	B	A	A	B	A	B	A	B
11/19/78	0000	1	0.00	13.1	PUMPS (4)	0	*	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	0	1	0	1	1	1	0	0	0	0	0	0
11/19/78	0200	1	0.00	13.3	PUMPS (5)	*	*	0	*	*	*	0	0	0	0	0	0
					SCREENS (5)	1	1	0	1	1	1	0	0	0	0	0	0
11/19/78	0500	1	0.00	12.7	PUMPS (5)	*	*	0	*	*	*	0	0	0	0	0	0
					SCREENS (5)	1	1	0	1	1	1	0	0	0	0	0	0
11/19/78	0700	1	0.00	12.9	PUMPS (5)	*	*	0	*	*	*	0	0	0	0	0	0
					SCREENS (5)	1	1	0	1	1	1	0	0	0	0	0	0
11/20/78	0930	3	0.23	13.0	PUMPS (4)	*	*	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	1	0	1	1	0	0	0	0	0	0	0
11/20/78	1200	3	1.26	12.7	PUMPS (4)	*	*	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	1	0	1	1	0	0	0	0	0	0	0
11/20/78	1400	1	0.50	13.2	PUMPS (4)	*	*	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	1	0	1	1	0	0	0	0	0	0	0
11/20/78	1600	1	3.20	13.2	PUMPS (4)	*	*	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	1	0	1	1	0	0	0	0	0	0	0
11/20/78	1800	3	22.23	14.0	PUMPS (4)	*	*	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	4	2	0	1	1	0	0	0	0	0	0	0
11/20/78	2100	1	3.50	13.1	PUMPS (4)	*	*	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	1	0	1	1	0	0	0	0	0	0	0
11/20/78	2230	1	1.00	13.0	PUMPS (4)	*	*	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	1	0	1	1	0	0	0	0	0	0	0
11/21/78	0000	3	3.66	12.0	PUMPS (4)	*	*	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	1	0	1	1	0	0	0	0	0	0	0
11/21/78	0200	1	0.40	11.3	PUMPS (4)	*	*	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	1	0	1	1	0	0	0	0	0	0	0
11/21/78	0400	1	0.50	12.5	PUMPS (4)	*	*	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	1	0	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	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
11/21/78	0600	3	2.33	12.0	PUMPS (4)	*	*	0	*	*	0	0	0	0	0	0	0
					SCREENS (4)	1	1	0	1	1	0	0	0	0	0	0	0
11/21/78	0930	1	0.88	12.5	PUMPS (4)	*	*	0	*	*	0	0	0	0	0	0	0
					SCREENS (4)	1	1	0	1	1	0	0	0	0	0	0	0
11/21/78	1030	1	3.60	12.8	PUMPS (4)	*	*	0	*	*	0	0	0	0	0	0	0
					SCREENS (4)	1	1	0	1	1	0	0	0	0	0	0	0
11/21/78	1200	3	1.06	12.4	PUMPS (5)	*	*	0	*	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	0	1	1	1	0	0	0	0	0	0
11/21/78	1400	1	0.38	12.3	PUMPS (5)	*	*	0	*	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	0	1	1	1	0	0	0	0	0	0
11/21/78	1600	1	0.20	12.4	PUMPS (5)	*	*	0	*	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	0	1	1	1	0	0	0	0	0	0
11/21/78	1800	3	3.40	12.0	PUMPS (5)	*	*	0	*	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	0	1	1	1	0	0	0	0	0	0
11/21/78	2130	1	4.50	10.4	PUMPS (5)	*	*	0	*	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	0	1	1	1	0	0	0	0	0	0
11/21/78	2300	1	0.58	11.2	PUMPS (5)	*	*	0	*	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	0	1	1	1	0	0	0	0	0	0
11/22/78	0000	3	6.13	11.5	PUMPS (5)	*	*	0	*	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	0	1	1	1	0	0	0	0	0	0
11/22/78	0200	1	3.88	11.5	PUMPS (5)	*	*	0	*	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	0	1	1	1	0	0	0	0	0	0
11/22/78	0400	1	0.58	10.0	PUMPS (5)	*	*	0	*	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	0	1	1	1	0	0	0	0	0	0
11/22/78	0600	3	1.50	10.3	PUMPS (5)	*	*	0	*	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	0	1	1	1	0	0	0	0	0	0
11/22/78	0930	1	6.20	11.0	PUMPS (5)	*	*	0	*	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	0	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 DAYS	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	A	B	A	B	A	B		
11/22/78	1140	3	3.50	10.8	PUMPS (5)	*	*	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
11/22/78	1400	1	0.60	11.0	PUMPS (5)	*	*	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
11/22/78	1600	1	0.10	11.3	PUMPS (5)	*	*	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
11/22/78	1800	3	0.53	12.0	PUMPS (5)	*	*	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
11/22/78	2100	1	0.40	10.3	PUMPS (5)	*	*	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
11/22/78	2230	1	0.70	10.1	PUMPS (5)	*	*	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
11/23/78	0000	3	0.13	10.0	PUMPS (5)	*	*	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
11/23/78	0200	1	0.50	9.8	PUMPS (5)	*	*	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
11/23/78	0400	1	0.60	10.0	PUMPS (5)	*	*	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
11/23/78	0600	3	0.46	10.0	PUMPS (5)	*	*	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
11/24/78	0900	1	1.30	11.8	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
11/24/78	1030	1	2.70	11.7	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
11/24/78	1200	1	3.80	11.8	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
11/24/78	1400	1	5.00	11.6	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

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
11/24/78	1600	1	0.90	11.5	PUMPS (5)	*	*	*	0	*	*	0	0	0	0	0	0
					SCREENS (5)	1	1	1	0	1	1	0	0	0	0	0	0
11/24/78	1800	1	0.60	11.0	PUMPS (5)	*	*	*	0	*	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0
11/24/78	2100	1	1.20	11.3	PUMPS (5)	*	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0
11/24/78	2230	1	2.10	11.0	PUMPS (5)	*	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0
11/25/78	0000	1	2.90	10.6	PUMPS (4)	0	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0
11/25/78	0200	1	3.60	10.3	PUMPS (4)	0	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0
11/25/78	0400	1	2.80	9.8	PUMPS (4)	0	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0
11/25/78	0600	1	4.20	9.8	PUMPS (4)	0	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (6)	3	1	1	1	1	1	0	0	0	0	0	0
11/25/78	0900	1	3.00	10.2	PUMPS (5)	*	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	1	0	0	0	0	0	0	0
11/25/78	1030	1	2.80	10.6	PUMPS (5)	*	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	1	0	0	0	0	0	0	0
11/25/78	1200	1	5.20	10.0	PUMPS (4)	0	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	1	0	0	0	0	0	0	0
11/25/78	1400	1	2.10	9.6	PUMPS (4)	0	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	1	0	0	0	0	0	0	0
11/25/78	1600	1	0.50	10.0	PUMPS (5)	0	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	2	0	0	0	0	0	0
11/25/78	1800	1	2.00	9.8	PUMPS (4)	0	*	*	*	*	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0

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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	3	3
						B	A	B	A	B	A	B	A	B	A	B	A	B	A
11/25/78	2100	1	10.20	10.8	PUMPS (4)	0	*	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	3	1	1	1	1	1	1	0	0	0	0	0	0	0
11/25/78	2230	1	3.60	10.5	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	0
11/26/78	0000	1	2.80	10.0	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	0
11/26/78	0200	1	1.90	10.0	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	0
11/26/78	0400	1	1.70	9.3	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	0
11/26/78	0600	1	1.10	9.0	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	0
11/26/78	0900	1	2.40	9.3	PUMPS (5)	*	*	0	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	2	1	1	1	1	1	1	0	0	0	0	0	0	0
11/26/78	1030	1	4.10	9.7	PUMPS (5)	*	*	0	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	1	0	0	0	0	0	0	0
11/26/78	1200	1	0.70	9.6	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	1	0	0	0	0	0	0	0
11/26/78	1400	1	0.80	9.2	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	1	0	0	0	0	0	0	0
11/26/78	1600	1	8.00	9.0	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	2	0	0	0	0	0	0	0
11/26/78	1800	1	1.40	8.8	PUMPS (5)	0	*	*	*	*	*	0	0	0	0	0	0	0	0
					SCREENS (6)	2	1	1	1	1	1	1	0	0	0	0	0	0	0
11/26/78	2100	1	0.80	9.3	PUMPS (4)	0	*	*	*	0	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	1	0	0	0	0	0	0	0
11/26/78	2230	1	1.10	9.0	PUMPS (4)	0	*	*	*	0	*	0	0	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	1	0	0	0	0	0	0	0

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSEG, 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
11/27/78	0000	1	2.40	8.6	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0
11/27/78	0200	1	2.60	8.4	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0
11/27/78	0400	1	1.30	8.0	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0
11/27/78	0600	1	1.70	7.8	PUMPS (5)	*	*	*	*	0	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0
11/27/78	1000	1	4.20	8.5	PUMPS (3)	0	*	*	*	0	0	*	0	0	0	0	0
					SCREENS (5)	1	1	1	0	1	1	0	0	0	0	0	0
11/27/78	1200	3	2.10	8.2	PUMPS (3)	0	*	*	*	0	0	*	0	0	0	0	0
					SCREENS (5)	1	1	1	0	1	1	0	0	0	0	0	0
11/27/78	1400	1	1.20	7.8	PUMPS (3)	0	*	*	*	0	0	*	0	0	0	0	0
					SCREENS (5)	1	1	1	0	1	1	0	0	0	0	0	0
11/27/78	1600	1	1.20	8.3	PUMPS (3)	0	*	*	*	0	0	*	0	0	0	0	0
					SCREENS (5)	1	1	1	0	1	1	0	0	0	0	0	0
11/27/78	1800	3	1.73	7.4	PUMPS (3)	0	*	*	*	0	0	*	0	0	0	0	0
					SCREENS (5)	1	1	1	0	1	1	0	0	0	0	0	0
11/27/78	2100	1	0.40	8.3	PUMPS (4)	0	*	*	*	0	*	0	0	0	0	0	0
					SCREENS (6)	1	1	1	1	1	1	0	0	0	0	0	0
11/27/78	2230	1	2.10	8.3	PUMPS (4)	0	*	*	*	0	*	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0
11/28/78	0000	3	1.13	8.3	PUMPS (2)	0	0	0	0	0	*	0	0	0	0	0	0
					SCREENS (5)	1	1	1	1	0	1	0	0	0	0	0	0
11/28/78	0200	1	0.30	8.3	PUMPS (2)	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
11/28/78	0400	1	0.90	8.3	PUMPS (2)	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

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
11/28/78	0600	3	0.86	8.3	PUMPS (3)	0	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (3)	0	0	0	1	1	1	0	0	0	0	0	0
11/28/78	0930	1	12.50	8.0	PUMPS (2)	0	0	0	*	*	0	0	0	0	0	0	0
					SCREENS (5)	1	1	0	1	1	1	0	0	0	0	0	0
11/28/78	1200	1	0.01	8.1	PUMPS (2)	0	*	0	*	0	0	0	0	0	0	0	0
					SCREENS (4)	1	1	0	1	0	1	0	0	0	0	0	0
11/28/78	1330	1	0.00	8.3	PUMPS (2)	0	*	0	*	0	0	0	0	0	0	0	0
					SCREENS (4)	1	1	0	1	0	1	0	0	0	0	0	0
11/29/78	0730	1	0.00	5.1	PUMPS (2)	*	0	0	0	0	*	0	0	0	0	0	0
					SCREENS (4)	1	0	1	0	1	1	0	0	0	0	0	0
11/29/78	0905	1	2.20	7.9	PUMPS (2)	*	0	0	0	0	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/29/78	1200	3	2.43	8.2	PUMPS (2)	*	0	0	0	0	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/29/78	1400	1	2.10	9.8	PUMPS (1)	*	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (3)	1	0	0	1	0	1	0	0	0	0	0	0
11/29/78	1600	1	1.40	8.5	PUMPS (1)	*	0	0	0	0	0	0	0	0	0	0	0
					SCREENS (3)	1	0	0	1	0	1	0	0	0	0	0	0
11/29/78	1800	3	7.46	8.8	PUMPS (2)	*	0	0	*	0	0	0	0	0	0	0	0
					SCREENS (3)	1	0	0	1	0	1	0	0	0	0	0	0
11/29/78	2100	1	0.60	9.6	PUMPS (3)	*	0	0	*	*	0	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/29/78	2230	1	1.10	9.1	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/30/78	0000	3	3.23	9.3	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	2	0	0	1	1	1	0	0	0	0	0	0
11/30/78	0200	1	2.50	9.1	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	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 DAYS	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
11/30/78	0400	1	1.20	8.4	PUMPS (5)	*	*	0	*	*	*	0	0	0	0	0	0
					SCREENS (5)	1	1	0	1	1	1	0	0	0	0	0	0
11/30/78	0600	3	3.40	8.0	PUMPS (5)	*	*	0	*	*	*	0	0	0	0	0	0
					SCREENS (5)	1	1	0	1	1	1	0	0	0	0	0	0
11/30/78	1015	1	1.80	8.6	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/30/78	1200	3	0.63	8.8	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/30/78	1400	1	13.70	9.8	PUMPS (4)	*	0	0	*	*	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/30/78	1600	1	1.10	9.8	PUMPS (3)	*	0	0	*	0	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/30/78	1800	3	0.70	9.4	PUMPS (3)	*	0	0	*	0	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/30/78	2100	1	0.40	9.0	PUMPS (3)	*	0	0	*	0	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0
11/30/78	2230	1	0.10	9.0	PUMPS (3)	*	0	0	*	0	*	0	0	0	0	0	0
					SCREENS (4)	1	0	0	1	1	1	0	0	0	0	0	0

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

DATA IGNORED - IN CONTROL MODE

0BRKPT PRINTS

1 Survival

$$1 \text{ Survival} = \sum \frac{N_i \times \text{peri}}{N}$$

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.

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

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 + 11/01/78 0000 THROUGH 11/01/78 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. PSEUDOHARENGUS	20	12	1	0	0	100	1	51	4,3	,2	4,3	4,3	77,5	77,5
A. MITCHILLI	20	12	9	77	20	2	30	2155	61,0	3,9	,5	5,0	37,5	82,5
R. MARGINATA	20	12	1	100	0	0	1	20	14,1	,3	14,1	14,1	137,5	137,5
M. MENIDIA	20	12	4	43	0	56	8	560	20,7	1,4	1,6	4,6	62,5	92,5
S. FUSCUS	20	12	1	100	0	0	1	20	1,4		1,4	1,4	147,5	147,5
C. REGALIS	20	12	1	100	0	0	1	112	30,5	3,4	30,5	30,5	142,5	142,5
M. UNDULATUS	20	12	1	0	0	100	1	51	1,1		1,1	1,1	52,5	52,5
T. MACULATUS	20	12	5	100	0	0	9	567	59,2	3,6	1,4	13,1	47,5	92,5

							52	3536	192,3	12,8				

CRABS

C. SAPIDUS	20	12	4	100	0	0	19	1063	71,0	2,4	,3	39,8	12,5	97,5
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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
 PSE&G, NEWARK, N.J.

TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 11/02/78 0000 THROUGH 11/02/78 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	Ds					MIN.	MAX.	MIN.	MAX.

FISHES														

A. AESTIVALIS	20	12	1	0	0	100	1	20	3.2		3.2	3.2	72.5	72.5
A. MITCHILLI	20	12	4	47	25	26	11	476	19.9	.7	1.5	3.0	42.5	77.5
M. MENIDIA	20	12	2	100	0	0	4	297	7.5	.5	1.2	2.4	57.5	77.5
S. FUSCUS	20	12	1	100	0	0	1	20	1.8		1.8	1.8	192.5	192.5
T. MACULATUS	20	12	7	91	0	8	19	1092	130.9	7.3	.7	25.0	37.5	137.5

							36	1905	163.3	8.5				

CRABS

C. SAPIDUS	20	12	4	100	0	0	17	1598	15.8	1.5	.1	2.3	12.5	37.5
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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
 PSE&G, NEWARK, N.J.

TABLE 2. - (CONTINUED),

SAMPLING PERIOD - 11/03/78 0000 THROUGH 11/03/78 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. AESTIVALIS	17	13	1	100	0	0	1	50	2,3	1,1	2,3	2,3	62,5	62,5
A. MITCHILLI	17	13	2	0	100	0	2	249	2,8	1,3	2,8	2,8	52,5	67,5
R. MARGINATA	17	13	1				1	93					137,5	137,5
M. UNDULATUS	17	13	1	100	0	0	1	109	6,2	1,6	6,2	6,2	67,5	67,5
T. MACULATUS	17	13	5	100	0	0	7	650	33,0	2,7	1,2	9,4	42,5	82,5
							12	1151	44,3	3,7				

CRABS														

C. SAPIDUS	17	13	4	100	0	0	5	325	9,8	1,6	1,6	3,1	27,5	42,5

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
 PSEGG, NEWARK, N.J.

TABLE 2. - (CONTINUED).

SAMPLING PERIOD = 11/04/78 0100 THROUGH 11/04/78 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. AESTIVALIS	13	13	3	0	8	91	5	409	4.6	1.2	1.7	2.9	57.5	72.5
A. MITCHILLI	13	13	3	100	0	0	3	392	5.4	1.7	2.3	3.1	57.5	77.5
O. TAU	13	13	1				1	130					122.5	122.5
R. MARGINATA	13	13	1	100	0	0	1	130	30.1	3.9	30.1	30.1	182.5	182.5
S. FUSCUS	13	13	1	100	0	0	1	130	1.1	1.1	1.1	1.1	132.5	132.5
T. MACULATUS	13	13	4	100	0	0	6	720	21.4	2.2	1.3	8.5	37.5	77.5
							17	1911	62.6	7.1				

CRABS

C. SAPIDUS	13	13	3	100	0	0	5	572	1.0	1.1	1.0	1.0	17.5	52.5
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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
 PSE&G, NEWARK, N.J.

TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 11/05/78 0100 THROUGH 11/05/78 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. AESTIVALIS	13	13	1	0	100	0	1	50						
A. MITCHILLI	13	13	1	0	0	100	1	133	3,1	4,4	3,1	3,1	67,5	67,5
R. MARGINATA	13	13	1	100	0	0	1	133	21,7	2,9	21,7	21,7	142,5	142,5
T. MACULATUS	13	13	2	100	0	0	3	334	14,3	1,4	1,3	11,2	42,5	82,5
							6	650	39,1	4,7				

CRABS														

C. SAPIDUS	13	13	7	100	0	0	13	1573	97,2	12,9	,5	84,1	17,5	127,5

N = NUMBER OF SAMPLES.

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

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

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

TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 11/06/78 0000 THROUGH 11/06/78 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																	

A. ROSTRATA	17	13	1	0	0	100	1	56	45.4	2.6	45.4	45.4	302.5	302.5			
A. MITCHILLI	17	13	4	100	0	0	5	360	6.6	.5	3.1	3.5	62.5	77.5			
T. MACULATUS	17	13	4	100	0	0	4	352	3.0	.2	1.3	1.7	42.5	72.5			
							10	768	55.0	3.3							

CRABS																	

G. SAPIDUS	17	13	4	100	0	0	9	886	3.4	.1	.7	1.9	17.5	32.5			

N = NUMBER OF SAMPLES.

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

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

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

TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 11/07/78 0000 THROUGH 11/07/78 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. MITCHILLI	20	12	4	72	27	0	9	485	24,7	1,2	,6	4,1	42,5	77,5
M. MENIDIA	20	12	1	100	0	0	1	14	1,0		1,0	1,0	52,5	52,5
T. MACULATUS	20	12	3	100	0	0	3	206	3,8	,3	,8	1,9	37,5	47,5
							13	705	29,5	1,5				
CRABS														
C. SAPIDUS	20	12	4	100	0	0	13	864	31,5	1,9	,1	14,1	7,5	57,5

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 - 11/08/78 0000 THROUGH 11/08/78 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. AESTIVALIS	20	12	2	100	0	0	2	256	6.7	.8	3.3	3.4	72.5	77.5
A. MITCHILLI	20	12	3	90	0	9	5	352	13.8	1.0	2.1	3.8	67.5	77.5
T. MACULATUS	20	12	3	100	0	0	5	403	8.4	.7	1.3	2.4	42.5	52.5
							12	1011	28.9	2.5				
CRABS														
C. SAPIDUS	20	12	3	100	0	0	5	448	26.8	2.5	.3	24.5	17.5	72.5

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 = 11/09/78 0000 THROUGH 11/09/78 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															

A. MITCHELLI	17	13	6	100	0	0	7	756	16.8	1.6	1.9	3.1	52.5	72.5	
P. CROMIS	17	13	1	0	0	100	1	14	23.5	1.3	23.5	23.5	147.5	147.5	
T. MACULATUS	17	13	3	100	0	0	3	400	20.4	2.6	1.8	9.7	47.5	92.5	

							11	1170	60.7	4.5					

CRABS

G. SAPIDUS	17	13	3	24	0	75		4	426	.8	.1	.4	.7	17.5	27.5
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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;

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TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 11/10/78 0000 THROUGH 11/10/78 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	18	14	2	84	0	15	2	180	91.8	5.4	25.4	66.4	232.5	292.5
A, AESTIVALIS	18	14	2	100	0	0	2	48	3.9		3.9	3.9	62.5	72.5
T, MACULATUS	18	14	4	47	0	52	7	404	27.0	1.5	.6	12.3	27.5	87.5
							11	652	122.7	6.9				
CRABS														
C, SAPIUS	17	13	3	24	0	75	4	426	.8	.1	.4	.7	17.5	27.5

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 - 11/11/78 0000 THROUGH 11/11/78 2231

SPECIES	TOTAL MINUTES SAMPLED		N	CF	% SURVIVAL			TOTAL	ESTIMATED	TOTAL	ESTIMATED	WEIGHT (GM)		LENGTH (MM)	
					L	D	D*	NUMBER COLLECTED	NUMBER/24 HOURS	WEIGHT COLLECTED	WEIGHT/24 HOURS	MIN,	MAX.	MIN,	MAX.

FISHES															

A. ROSTRATA	14	14	1		100	0	0	1	48					282,5	282,5
A. AESTIVALIS	14	14	1		100	0	0	1	48					87,5	87,5
A. MITCHILLI	14	14	4		30	45	23	5	480	10,8	1,0	2,2	3,5	67,5	72,5
L. XANTHURUS	14	14	1		100	0	0	1	96					137,5	137,5
T. MACULATUS	14	14	1		100	0	0	2	256					67,5	82,5
								10	928	10,8	1,0				

CRABS															

C. SAPIOUS	14	14	3		58	0	41	5	432	4,9	,3	,6	2,7	22,5	37,5

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 * 11/12/78 0000 THROUGH 11/12/78 2231

SPECIES	TOTAL MINUTES		N		CF		% SURVIVAL			TOTAL NUMBER	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT	ESTIMATED WEIGHT/ 24 HOURS	WEIGHT (GM)		LENGTH (MM)	
	SAMPLED						L	D	D*	COLLECTED		(GM)	(KG)	MIN.	MAX.	MIN.	MAX.
FISHES																	
A. MITCHELLI	12	12	4	100	0	0				6	738	4.7	1.6	.7	4.0	52.5	77.5
T. MACULATUS	12	12	5	100	0	0				6	721	61.5	11.9	13.1	48.4	37.5	142.5
										12	1459	66.2	12.5				
CRABS																	
G. SARIUS	12	12	2	100	0	0				2	273	1.9	.2	.9	1.0	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
PSE&G, NEWARK, N.J.

TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 11/13/78 0030 THROUGH, 11/13/78 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	17	13	3	12	0	87	3	136	170.2	7.5	32.7	78.6	282.5	337.5
A. AESTIVALIS	17	13	7	58	17	24	26	1754	103.5	7.8	1.2	22.3	52.5	137.5
A. MITCHILLI	17	13	12	74	20	5	499	29376	1020.4	59.7	.3	5.0	37.5	87.5
M. MENIDIA	17	13	2	100	0	0	4	161	8.8	.3	1.5	3.5	62.5	87.5
S. FUSCUS	17	13	1	100	0	0	2	218	1.3	.1	.1	1.2	72.5	162.5
M. AMERICANA	17	13	3	100	0	0	7	505	306.0	22.6	10.8	61.4	92.5	152.5
L. MACROCHIRUS	17	13	1	100	0	0	1	87	5.5	.4	5.5	5.5	67.5	67.5
C. REGALIS	17	13	1	100	0	0	2	70	41.8	1.5	18.7	23.1	122.5	132.5
L. XANTHURUS	17	13	2	100	0	0	2	105	78.7	4.5	29.1	49.6	132.5	147.5
M. UNDULATUS	17	13	1	100	0	0	1	52	7.6	.4	7.6	7.6	87.5	87.5
T. MACULATUS	17	13	7	100	0	0	10	832	40.5	2.0	.8	10.8	37.5	82.5
							557	33296	1784.3	106.8				

CRABS

C. SAPIDUS	17	13	7	100	0	0	21	1563	197.0	16.8	.1	59.1	12.5	107.5
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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.

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

TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 11/14/78 0000 THROUGH 11/14/78 2231

SPECIES	TOTAL MINUTES SAMPLED			X 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. AESTIVALIS	14	10	6	83	16	0	10	960	33.9	2.9	.8	5.7	47.5	82.5
A. PSEUDOHARENGUS	14	10	1	100	0	0	1	30	7.1	.2	7.1	7.1	87.5	87.5
B. TYRANNUS	14	10	2	100	0	0	4	384	41.2	3.9	7.3	15.3	82.5	102.5
A. MITCHILLI	14	10	10	70	27	2	182	17549	376.1	34.7	.4	5.1	42.5	92.5
M. MENIDIA	14	10	4	93	0	6	12	924	28.6	2.3	1.3	3.5	62.5	167.5
M. AMERICANA	14	10	1	100	0	0	1	30	66.2	2.1	66.2	66.2	167.5	167.5
C. REGALIS	14	10	2	0	0	100	2	78	35.6	1.1	35.6	35.6	137.5	157.5
L. XANTHURUS	14	10	1	100	0	0	1	61	23.9	1.5	23.9	23.9	122.5	122.5
T. MACULATUS	14	10	5	100	0	0	10	780	77.3	5.9	.6	23.5	37.5	117.5
							223	20796	689.9	54.6				

CRABS

C. SAPIOUS	14	10	4	100	0	0	7	672	9.4	.7	.5	3.3	22.5	32.5
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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.

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

TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 11/15/78 0000 THROUGH 11/15/78 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. AESTIVALIS	14	12	8	65	23	10	18	2003	31.8	2.5	1.5	4.5	52.5	77.5
B. TYRANNUS	14	12	1	100	0	0	1	51	12.1	.6	12.1	12.1	97.5	97.5
A. MITCHILLI	14	12	8	69	30	0	54	6007	68.5	4.6	1.1	4.0	42.5	92.5
M. MENIDIA	14	12	1	0	0	100	1	48	4.1	.1	4.1	4.1	87.5	87.5
L. XANTHURUS	14	12	1				1	98					112.5	112.5
T. MACULATUS	14	12	4	76	23	0	9	730	43.9	3.6	1.0	11.7	42.5	87.5

							84	8937	160.4	11.4				

CRABS

C. SAPIDUS	14	12	2	100	0	0	3	368	3.5	.4	.1	3.0	12.5	37.5
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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.

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

TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 11/16/78 0000 THROUGH 11/16/78 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	22	12	2	55	0	44	2	55	66.0	1.8	21.5	44.5	247.5	292.5
A. AESTIVALIS	22	12	7	79	11	8	45	2455	121.7	6.4	1.9	8.6	52.5	102.5
B. TYRANNUS	22	12	1	0	0	100	1	35	7.0	1.2	7.0	7.0	82.5	82.5
A. MITCHILLI	22	12	11	65	24	9	95	6325	241.5	15.5	1.5	5.1	42.5	87.5
M. MARTINICA	22	12	1	100	0	0	1	128	6.3	.8	6.3	6.3	102.5	102.5
M. MENIDIA	22	12	2	100	0	0	6	720	19.1	2.3	2.4	4.1	72.5	82.5
S. FUSCUS	22	12	1	100	0	0	1	24	1.5		1.5	1.5	162.5	162.5
L. XANTHURUS	22	12	2	52	0	47	2	216	71.9	6.4	27.7	44.2	127.5	142.5
T. MACULATUS	22	12	7	93	0	6	32	2054	213.2	21.5	.9	64.9	32.5	152.5
							185	12012	748.2	54.9				
CRABS														
C. SAPIDUS	22	12	3	100	0	0	5	237	36.7	1.1	1.7	15.8	27.5	67.5

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 - 11/17/78 0000 THROUGH 11/17/78 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. AESTIVALIS	16	12	6	79	14	5	19	1833	46.8	4.1	1.7	4.5	62.5	82.5
A. MITCHELLI	16	12	11	81	27	10	128	12742	106.1	13.0	7	5.2	42.5	92.5
R. MARGINATA	16	12	1	100	0	0	1	109					187.5	187.5
M. MENIDIA	16	12	5	76	0	23	6	720	4.0	.7	4.0	4.0	62.5	92.5
L. XANTHORUS	16	12	5	45	0	54	6	676	41.0	2.7	41.0	41.0	127.5	142.5
M. UNDULATUS	16	12	1	0	100	0	1	187	.3		.3	.3	32.5	32.5
T. MACULATUS	16	12	8	94	0	5	26	3200	41.2	5.3	.5	16.4	32.5	87.5
							187	19467	239.4	25.8				

CRABS

C. SAPIDUS	16	12	4	100	0	0	4	410	1.7	.1	1.7	1.7	17.5	27.5
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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.

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

TABLE 2, * (CONTINUED).

SAMPLING PERIOD * 11/18/78 0000 THROUGH 11/18/78 2231

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ 24 HOURS	TOTAL WEIGHT		ESTIMATED WEIGHT/ 24 HOURS		WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	R	D*			(GM)		(KG)		MIN.	MAX.	MIN.	MAX.

FISHES																

A. FESTIVALIS	12	12	6	33	31	34	7	896							57.5	82.5
A. MITCHILLI	12	12	8	49	44	5	18	2112							52.5	82.5
M. UNDULATUS	12	12	1	0	100	0	1	144							62.5	62.5
T. MACULATUS	12	12	5	100	0	0	11	1472							37.5	47.5
							37	4624								

CRABS																

C. SAPIDUS	12	12	3	100	0	0	4	496							17.5	57.5

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 - 11/19/78 0000 THROUGH 11/19/78 0701

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														

A. AESTIVALIS	4	4	2	93	6	0	9	990					62,5	77,5
A. MITCHILLI	4	4	3	100	0	0	9	900					47,5	87,5
M. AMERICANA	4	4	1	100	0	0	1	90					142,5	142,5
T. MACULATUS	4	4	3	100	0	0	9	1080					37,5	52,5
							28	3060	-----					
CRABS														

C. SAPIDUS	4	4	1	100	0	0	1	60					42,5	42,5

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 - 11/20/78 0930 THROUGH 11/20/78 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. AESTIVALIS	13	7	5	67	13	18	21	2660	67.3	8.1	1.2	9.0	57.5	97.5
B. TYRANNUS	13	7	1	100	0	0	1	88	10.2	.8	10.2	10.2	92.5	92.5
A. MITCHILLI	13	7	7	69	12	18	23	3841	53.6	8.4	.6	4.3	47.5	77.5
M. MENIDIA	13	7	4	100	0	0	9	1174	35.1	4.5	2.1	5.3	67.5	97.5
M. AMERICANA	13	7	3	49	6	43	7	974	210.5	35.2	5.3	65.0	67.5	167.5
L. XANTHURUS	13	7	1	100	0	0	3	276	85.1	7.8	24.4	35.5	122.5	137.5
M. UNDULATUS	13	7	1	0	0	100	1	221	1.5	.3	1.5	1.5	57.5	57.5
P. CROMIS	13	7	1	100	0	0	1	88	56.9	5.2	56.9	56.9	162.5	162.5
T. MACULATUS	13	7	4	100	0	0	8	1417	16.0	2.7	.9	8.6	32.5	77.5
							74	10734	536.2	73.0				

CRABS

C. SAPIDUS	13	7	2	100	0	0	2	132	43.4	3.8	2.8	40.6	32.5	72.5
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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
 PSE&G, NEWARK, N.J.

TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 11/21/78 0000 THROUGH 11/21/78 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. AESTIVALIS	20	12	11	69	23	7	71	5070	217.3	15.4	.9	5.3	52.5	82.5
B. TYRANNUS	20	12	2	31	68	0	2	89	43.3	2.2	10.0	33.3	92.5	127.5
A. MITCHILLI	20	12	11	68	21	9	74	6589	220.4	19.6	.4	5.3	32.5	87.5
R. MARGINATA	20	12	1	0	0	100	1	55	17.5	1.0	17.5	17.5	157.5	157.5
M. MENIDIA	20	12	6	72	14	12	67	2784	315.0	12.3	1.5	6.5	62.5	102.5
M. AMERICANA	20	12	4	100	0	0	5	276	129.1	6.2	2.6	59.2	57.5	152.5
L. XANTHURUS	20	12	4	43	26	30	7	528	209.6	15.4	3.9	47.8	112.5	142.5
M. UNDULATUS	20	12	3	100	0	0	3	207	10.4	.7	.4	5.4	32.5	87.5
T. MACULATUS	20	12	6	100	0	0	21	1627	73.2	5.6	1.1	12.4	32.5	87.5

							251	17225	1235.0	78.4				

CRABS

C. SAPIDUS	20	12	2	100	0	0	3	168	53.0	3.0	2.3	36.2	37.5	87.5
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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
PSE&G, NEWARK, N.J.

TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 11/22/78 0000 THROUGH 11/22/78 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	11	2	100	0	0	3	135	128,3	6,8	19,2	58,1	252,5	337,5
A. AESTIVALIS	19	11	11	68	18	12	114	11285	336,5	32,7	1,6	7,1	52,5	92,5
A. PSEUDOHARENGUS	19	11	1	100	0	0	1	20	16,3	3	16,3	16,3	112,5	112,5
B. TYRANNUS	19	11	2	56	0	43	3	232	31,3	2,6	7,6	13,2	87,5	97,5
A. MITCHILLI	19	11	10	56	33	10	138	11959	364,6	31,2	4	5,7	37,5	87,5
M. MENIDIA	19	11	7	94	5	0	10	881	44,3	3,4	2,1	6,7	72,5	97,5
M. AMERICANA	19	11	4	84	3	12	18	771	615,0	21,9	5,5	76,3	72,5	167,5
L. MACROCHIRUS	19	11	1	100	0	0	1	181	2,1	3	2,1	2,1	52,5	52,5
C. REGALIS	19	11	1	100	0	0	1	20	32,5	6	32,5	32,5	147,5	147,5
L. XANTHURUS	19	11	7	74	17	8	15	1113	389,3	31,2	12,5	37,6	102,5	137,5
M. UNDULATUS	19	11	1	100	0	0	5	237	4,5	2	6	1,0	37,5	52,5
T. MACULATUS	19	11	7	100	0	0	22	1499	90,3	6,3	5	14,4	32,5	87,5
							331	28333	2055,0	137,5				

CRABS

C. SAPIDUS	19	11	4	100	0	0	6	577	37.0	3.6	2.2	10.6	32.5	57.5
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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
 PSE&G, NEWARK, N.J.

TABLE 2. (CONTINUED).

SAMPLING PERIOD - 11/23/78 0000 THROUGH 11/23/78 0603

SPECIES	TOTAL MINUTES SAMPLED			% SURVIVAL			TOTAL NUMBER COLLECTED	ESTIMATED NUMBER/ PERIOD	TOTAL WEIGHT COLLECTED		ESTIMATED WEIGHT/ PERIOD		WEIGHT (GM)		LENGTH (MM)	
	N	CF		L	D	D*			(GM)		(KG)	MIN.	MAX.	MIN.	MAX.	

FISHES																

A. ROSTRATA	8	4	1	0	0	100	1	19	68.1		1.3		68.1	68.1	357.5	357.5
A. AESTIVALIS	8	4	4	85	14	0	36	3118	103.4		9.0		1.1	6.7	57.5	87.5
B. TYRANNUS	8	4	3	100	0	0	3	158	34.9		1.9		9.6	13.0	87.5	97.5
A. MITCHILLI	8	4	3	30	24	45	11	619	28.9		1.4		1.6	3.6	62.5	82.5
M. MENIDIA	8	4	2	24	75	0	5	199	14.1		.4		.9	5.5	57.5	97.5
M. AMERICANA	8	4	2	80	0	20	5	99	47.5		.9		3.1	13.5	52.5	127.5
L. XANTHURUS	8	4	2	85	14	0	2	139	58.2		3.7		25.5	32.7	122.5	137.5
M. UNDULATUS	8	4	1	100	0	0	1	19	2.0				2.0	2.0	62.5	62.5
T. MACULATUS	8	4	3	100	0	0	5	418	64.9		6.7		1.0	53.0	37.5	147.5

70 4788 422.0 25.3																

CRABS

C. SAPIDUS	19	11	4	100	0	0	6	577	37.0		3.6		2.2	10.6	32.5	57.5
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N = NUMBER OF SAMPLES,

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

% SURVIVAL L = LIVED D = DEAD D* = DAMAGED,

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

TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 11/24/78 0900 THROUGH 11/24/78 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. AESTIVALIS	8	8	8	71	19	8	153	23013	453.4	68.9	1.3	4.7	42.5	82.5	
A. PSEUDOHARENGUS	8	8	2	62	0	37	2	426	121.9	20.6	10.7	111.2	102.5	162.5	
A. MITCHILLI	8	8	2	100	0	0	4	853	13.7	2.9	1.2	5.1	52.5	82.5	
M. MENIDIA	8	8	2	38	61	0	2	400	4.7	.9	1.2	3.5	62.5	77.5	
M. AMERICANA	8	8	2	100	0	0	2	320	87.6	11.1	26.0	61.6	122.5	142.5	
L. XANTHURUS	8	8	5	100	0	0	12	2160	341.5	61.8	22.9	33.9	122.5	137.5	
M. UNDULATUS	8	8	1	100	0	0	1	80	7.4	.5	7.4	7.4	82.5	82.5	
T. MACULATUS	8	8	2	100	0	0	2	240	14.1	1.1	.8	13.3	37.5	92.5	

							173	27492	1044.3	167.8					

CRABS

C. SAPIDUS	8	8	3		100	0	0	3	533	65.1	11.1	13.1	26.3	57.5	87.5
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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
PSE&G, NEWARK, N.J.

TABLE 2. - (CONTINUED).

SAMPLING PERIOD = 11/25/78 0000 THROUGH 11/25/78 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	12	12	4	73	0	26	4	592	204.3	30.8	38.0	67.8	262.5	337.5
A. AESTIVALIS	12	12	9	81	15	3	87	4512	107.3	12.9	1.3	4.9	37.5	112.5
A. SAPIDISSIMA	12	12	1	100	0	0	1	160	4.9	.7	4.9	4.9	82.5	82.5
B. TYRANNUS	12	12	1	100	0	0	1	160	12.2	1.9	12.2	12.2	97.5	97.5
A. MITCHILLI	12	12	4	43	39	17	20	2928	69.6	10.1	1.0	7.0	47.5	97.5
U. REGIUS	12	12	1	100	0	0	1	128	1.5	.1	1.5	1.5	62.5	62.5
M. MENIDIA	12	12	4	81	18	0	8	1040	38.5	4.9	2.5	5.7	77.5	92.5
M. AMERICANA	12	12	12	68	1	30	90	11536	4864.1	644.1	5.6	180.2	72.5	222.5
L. XANTHURUS	12	12	12	89	1	8	81	10176	2693.6	343.5	15.4	65.6	102.5	167.5
M. UNDULATUS	12	12	1	100	0	0	3	384	6.3	.8	1.2	3.7	42.5	72.5
P. CROMIS	12	12	2	100	0	0	2	272	215.8	29.8	97.9	117.9	177.5	202.5
T. MACULATUS	12	12	9	100	0	0	20	2208	137.0	15.3	.8	16.7	37.5	92.5

							268	34096	8355.1	1094.9				

CRABS

C. SAPIDUS	12	12	6	100	0	0	7	816	111.8	15.2	2.4	88.0	27.5	112.5
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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
PSE&G, NEWARK, N.J.

TABLE 2: (CONTINUED).

SAMPLING PERIOD - 11/26/78 0000 THROUGH 11/26/78 2231

SPECIES	TOTAL MINUTES SAMPLED			N 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	100	0	0	1	112	41.3	4.6	41.3	41.3	272.5	272.5
A. AESTIVALIS	12	12	12	81	7	11	90	11184	280.1	35.4	1.4	5.2	37.5	87.5
B. TYRANNUS	12	12	5	69	0	30	5	496	237.1	22.5	8.0	76.7	82.5	182.5
A. MITCHILLI	12	12	2	0	0	100	2	288	8.9	1.2	3.9	5.0	52.5	77.5
M. MENIDIA	12	12	3	74	25	0	12	1360	53.0	6.0	2.7	6.2	77.5	97.5
S. FUSCUS	12	12	1	100	0	0	1	128	.1	.1	.1	.1	82.5	82.5
M. AMERICANA	12	12	12	85	1	13	94	11232	3225.3	377.8	6.1	136.5	77.5	192.5
M. SAXATILIS	12	12	1	100	0	0	1	160	36.7	5.8	36.7	36.7	147.5	147.5
L. XANTHURUS	12	12	11	94	0	5	97	10736	2932.4	320.6	11.5	81.3	97.5	157.5
M. UNDULATUS	12	12	3	100	0	0	4	480	11.5	1.5	1.0	4.5	37.5	82.5
P. CROMIS	12	12	2	63	0	36	3	352	408.9	49.6	66.7	240.7	147.5	202.5
T. MACULATUS	12	12	11	98	0	1	73	8304	519.7	59.1	.4	16.1	27.5	97.5
								383	44832	7755.0	884.1			

CRABS

C. SAPIDUS	12	12	3	100	0	0		4	416	29.2	3.2	2.4	19.7	32.5	72.5
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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

PSE&G, NEWARK, N.J.

TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 11/27/78 0000 THROUGH 11/27/78 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	15	11	4	68	0	31	5	608	510.7	84.2	19.8	250.0	222.5	447.5
A. AESTIVALIS	15	11	9	85	5	9	60	6868	167.7	18.9	1.0	4.2	42.5	97.5
B. TYRANNUS	15	11	1	100	0	0	1	192	60.2	11.5	60.2	60.2	177.5	177.5
A. MITCHILLI	15	11	1	100	0	0	1	48	2.1	.1	2.1	2.1	72.5	72.5
F. DIAPHANUS	15	11	1	100	0	0	1	192	3.2	.6	3.2	3.2	52.5	52.5
M. MENIDIA	15	11	3	73	0	26	4	608	10.9	1.6	1.8	4.2	57.5	102.5
M. AMERICANA	15	11	7	38	0	61	32	3235	1271.9	141.5	7.1	151.1	77.5	202.5
L. XANTHURUS	15	11	8	92	1	5	27	2707	878.8	91.6	16.3	58.1	107.5	157.5
P. CROMIS	15	11	1	0	0	100	1	64	140.6	8.9	140.6	140.6	197.5	197.5
T. MACULATUS	15	11	5	100	0	0	27	2767	181.3	16.3	.9	14.3	12.5	87.5

							159	17249	3226.6	375.2				

CRABS

C. SAPIDUS	15	11	1	100	0	0	2	128	7.9	.5	3.7	4.2	32.5	47.5
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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
 PSE&G, NEWARK, N.J.

TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 11/28/78 0000 THROUGH 11/28/78 1331

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	11	7	2	100	0	0	8	460	441.5	20.3	26.2	87.7	97.5	332.5
A. AESTIVALIS	11	7	3	90	0	9	8	883	24.4	2.7	2.6	3.4	62.5	77.5
B. TYRANNUS	11	7	1	0	0	100	1	33	10.3	.3	10.3	10.3	102.5	102.5
M. MENIDIA	11	7	1	0	100	0	1	33	5.8	.2	5.8	5.8	102.5	102.5
M. AMERICANA	11	7	7	8	1	90	211	29256	5775.2	216.8	8.4	126.9	67.5	197.5
M. SAXATILIS	11	7	1	100	0	0	1	33	25.6	.9	25.6	25.6	142.5	142.5
L. XANTHURUS	11	7	4	29	0	70	19	2634	252.5	10.1	14.5	33.2	107.5	142.5
P. CROMIS	11	7	2	88	0	11	2	353	153.9	5.4	153.9	153.9	162.5	202.5
T. MACULATUS	11	7	4	100	0	0	6	666	16.5	1.0	1.1	10.2	32.5	72.5
							257	34351	6705.7	257.7				

CRABS

G. SAPIDUS	11	7	1	100	0	0	5	176	79.2	2.8	3.1	37.6	37.5
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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
PSE&G, NEWARK, N.J.

TABLE 2. - (CONTINUED).

SAMPLING PERIOD - 11/29/78 0730 THROUGH 11/29/78 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														

A. ROSTRATA	12	8	1	0	0	100	1	76	38,0	3,0	38,0	38,0	307,5	307,5
A. AESTIVALIS	12	8	1	0	50	50	2	156	6,1	1,4	2,2	3,9	57,5	82,5
M. MENIDIA	12	8	1	100	0	0	1	76	3,2	1,2	3,2	3,2	77,5	77,5
M. AMERICANA	12	8	2	0	0	99	36	2868	1087,3	86,8	7,4	55,8	82,5	147,5
L. XANTHURUS	12	8	3	0	0	100	11	867	320,3	25,3	19,5	53,8	112,5	167,5

							51	4043	1454,9	115,7				

CRABS

C. SAPIDUS	11	7	1	100	0	0	5	176	79,2	2,8	3,1	37,6	37,5	82,5
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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
PSEG, NEWARK, N.J.

TABLE 2. (CONTINUED).

SAMPLING PERIOD = 11/30/78 0000 THROUGH 11/30/78 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															

A. ROSTRATA	19	11	1	100	0	0	1	48	38.0	1.8	38.0	38.0	282.5	282.5	
A. AESTIVALIS	19	11	9	76	7	16	30	1750	111.5	6.9	1.6	18.6	57.5	132.5	
B. TYRANNUS	19	11	2	20	43	35	6	458	82.1	6.5	8.4	20.3	87.5	122.5	
A. MITCHILLI	19	11	2	13	86	0	2	193	5.4	.5	2.4	3.0	67.5	77.5	
M. MENIDIA	19	11	3	82	5	11	21	1245	72.2	4.2	1.2	5.4	52.5	92.5	
M. AMERICANA	19	11	9	57	6	36	37	2865	1036.9	74.7	2.8	109.3	57.5	227.5	
L. XANTHURUS	19	11	5	82	0	17	7	499	187.6	14.0	15.5	42.3	107.5	142.5	
P. CROMIS	19	11	1	0	0	100	1	65	30.3	2.0	30.3	30.3	127.5	127.5	
T. MACULATUS	19	11	7	100	0	0	18	1338	119.4	8.0	.7	13.9	32.5	87.5	

							123	8461	1683.4	117.6					

CRABS

C. SAPIDUS	19	11	1	100	0	0		1	51	2.1		.41			42.5	42.5
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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
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FIN

DATA IGNORED = IN CONTROL MODE

*BRKPT PRINT\$

TABLE 2 - IMPINGEMENT - S.N.G.S. SERVICE WATER SYSTEM INTAKE, NOVEMBER 1 THROUGH NOVEMBER 31 1978

SAMPLING PERIOD = 11/01/78 0730 TO 11/02/78 0730

NUMBER OF PUMPS 2 + 2

SPECIES	TOTAL	TOTAL	WEIGHT		LENGTH	
	NUMBER COLLECTED	WT. (GM) COLLECTED	MIN.	MAX.	MIN.	MAX.
L. XANTHURUS	1	33.1	33.1	33.1	132.5	132.5
C. SAPIDUS	6	12.9	.5	5.3	22.5	47.5

TOTAL	7	46.0				
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IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 3, - (CONTINUED),

SAMPLING PERIOD = 11/06/78 0730 TO 11/07/78 0730

NUMBER OF PUMPS 1 + 2

SPECIES	TOTAL	TOTAL	WEIGHT		LENGTH	
	NUMBER COLLECTED	WT. (GM) COLLECTED	MIN.	MAX.	MIN.	MAX.
T. MACULATUS	1	1.0	1.0	1.0	37.5	37.5
C. SAPIDUS	1	0.7	.7	.7	22.5	22.5

TOTAL	2	1.7				
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IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE (CONTINUED).

SAMPLING PERIOD - 11/07/78 0730 TO 11/08/78 0730

NUMBER OF PUMPS 1 - 2

SPECIES	TOTAL	TOTAL	WEIGHT		LENGTH	
	NUMBER COLLECTED	WT. (GM) COLLECTED	MIN.	MAX.	MIN.	MAX.
A. AESTIVALIS	1	24.6	24.6	24.6	137.5	137.5
T. MACULATUS	1	8.5	8.5	8.5	77.5	77.5
C. SAPIDUS	11	21.6	.4	7.4	17.5	47.5
TOTAL	13	54.7				

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

TABLE 3, - (CONTINUED).

SAMPLING PERIOD - 11/08/78 0730 TO 11/09/78 0730

NUMBER OF PUMPS 1 - 3

SPECIES	TOTAL	TOTAL	WEIGHT		LENGTH	
	NUMBER COLLECTED	WT. (GM) COLLECTED	MIN.	MAX.	MIN.	MAX.
B. TYRANNUS	2	29.0	11.7	17.3	92.5	107.5
L. XANTHURUS	1	16.6	16.6	16.6	107.5	107.5
A. MITCHILLI	1	2.4	2.4	2.4	67.5	67.5
T. MACULATUS	1	0.8	.8	.8	37.5	37.5
C. SAPIDUS	7	11.8	.4	3.1	17.5	37.5
TOTAL	12	60.6				

IMPINGEMENT MONITORING PROGRAM
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TABLE 2 • (CONTINUED),

SAMPLING PERIOD = 11/13/78 0730 TO 11/14/78 0730

NUMBER OF PUMPS 3 - 4

SPECIES	TOTAL NUMBER COLLECTED	TOTAL WT. (GM) COLLECTED	WEIGHT (GM)		LENGTH (MM)	
			MIN.	MAX.	MIN.	MAX.
T. MACULATUS	1	32.4	32.4	32.4	122.5	122.5
C. SAPIDUS	4	8.1	1.2	3.2	22.5	37.5
L. XANTHURUS	3	107.2	27.0	47.4	117.5	142.5
A. MITCHILLI	2	4.5	1.9	2.6	62.5	72.5
TOTAL	10	152.2				

IMPINGEMENT MONITORING PROGRAM
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TABLE 3 • (CONTINUED),

SAMPLING PERIOD = 11/15/78 0730 TO 11/16/78 0730

NUMBER OF PUMPS 3 - 3

SPECIES	TOTAL NUMBER COLLECTED	TOTAL WT. (GM) COLLECTED	WEIGHT (GM)		LENGTH (MM)	
			MIN.	MAX.	MIN.	MAX.
L. XANTHURUS	2	51.6	23.4	28.2	112.5	122.5
A. AESTIVALIS	1	3.4	3.4	3.4	72.5	72.5
C. SAPIDUS	6	40.8	.6	28.2	22.5	57.5
TOTAL	9	95.8				

IMPINGEMENT MONITORING PROGRAM
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TABLE (CONTINUED),

SAMPLING PERIOD - 11/16/78 0730 TO 11/17/78 0730

NUMBER OF PUMPS 3 - 3

SPECIES	TOTAL NUMBER COLLECTED	TOTAL WT. (GM) COLLECTED	WEIGHT (GM)		LENGTH (MM)	
			MIN.	MAX.	MIN.	MAX.
A. MITCHILLI	1	1.2	1.2	1.2	62.5	62.5
TOTAL	1	1.2				

IMPINGEMENT MONITORING PROGRAM
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TABLE 3. - (CONTINUED),

SAMPLING PERIOD - 11/20/78 0730 TO 11/21/78 0730

NUMBER OF PUMPS 3 - 3

SPECIES	TOTAL NUMBER COLLECTED	TOTAL WT. (GM) COLLECTED	WEIGHT (GM)		LENGTH (MM)	
			MIN.	MAX.	MIN.	MAX.
A. AESTIVALIS	3	9.6	2.9	3.6	62.5	72.5
L. XANTHURUS	1	25.9	25.9	25.9	117.5	117.5
B. CHRYSURA	1	9.8	9.8	9.8	87.5	87.5
C. SAPIDUS	2	5.8	1.9	3.9	32.5	37.5
TOTAL	7	51.1				

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

SAMPLING PERIOD - 11/21/78 0730 TO 11/22/78 0730

NUMBER OF PUMPS 3 - 3

SPECIES	TOTAL	TOTAL	WEIGHT		LENGTH	
	NUMBER	WT. (GM)	MIN.	MAX.	MIN.	MAX.
A. AESTIVALIS	1	2.9	2.9	2.9	62.5	62.5
A. MITCHILLI	1	3.6	3.6	3.6	72.5	72.5

TOTAL	2	6.5				
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IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
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TABLE 3; - (CONTINUED).

SAMPLING PERIOD - 11/22/78 0730 TO 11/23/78 0730

NUMBER OF PUMPS 3 - 3

SPECIES	TOTAL	TOTAL	WEIGHT		LENGTH	
	NUMBER	WT. (GM)	MIN.	MAX.	MIN.	MAX.
A. ROSTRATA	1	419.3	419.3	419.3	597.5	597.5
A. MITCHILLI	2	4.4	1.7	2.7	62.5	72.5
A. AESTIVALIS	6	13.7	1.6	3.5	62.5	72.5
C. SAPIDUS	1	0.9	.9	.9	22.5	22.5
L. XANTHURUS	1	16.7	16.7	16.7	97.5	97.5

TOTAL	11	455.0				
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IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
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TABLE 2 - (CONTINUED),

SAMPLING PERIOD - 11/27/78 0900 TO 11/28/78 1400

NUMBER OF PUMPS 3 - 3

SPECIES	TOTAL	TOTAL	WEIGHT		LENGTH	
	NUMBER COLLECTED	WT. (GM) COLLECTED	MIN.	MAX.	MIN.	MAX.
C. SAPIDUS	3	10.6	2.6	5.0	27.5	37.5
L. XANTHURUS	2	43.8	20.7	23.1	112.5	117.5
T. MACULATUS	1	5.2	5.2	5.2	57.5	57.5
M. AMERICANA	3	60.2	19.1	21.6	127.5	142.5
A. AESTIVALIS	3	12.6	3.6	4.2	67.5	72.5
A. MITCHILLI	1	3.1	3.1	3.1	57.5	57.5

TOTAL	13	135.5				
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IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
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TABLE 3 - (CONTINUED),

SAMPLING PERIOD - 11/29/78 0830 TO 11/30/78 0730

NUMBER OF PUMPS 3 - 4

SPECIES	TOTAL	TOTAL	WEIGHT		LENGTH	
	NUMBER COLLECTED	WT. (GM) COLLECTED	MIN.	MAX.	MIN.	MAX.
M. AMERICANA	8	344.9	28.9	84.8	122.5	162.5
P. CHROMIS	1	35.3	35.3	35.3	122.5	122.5
L. XANTHURUS	4	128.8	23.1	43.8	122.5	132.5
A. AESTIVALIS	4	13.2	3.0	3.8	67.5	77.5
A. ROSTRATA	2	131.5	41.4	90.1	182.5	417.5
A. MITCHILLI	1	2.6	2.6	2.6	67.5	67.5

TOTAL	20	656.3				
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IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE (CONTINUED),

SAMPLING PERIOD - 11/30/78 0730 TO 12/01/78 0730

NUMBER OF PUMPS 3 - 4

SPECIES	TOTAL	TOTAL	WEIGHT		LENGTH	
	NUMBER	WT. (GM)	(GM)	(GM)	(MM)	(MM)
	COLLECTED	COLLECTED	MIN.	MAX.	MIN.	MAX.
B. TYRANNUS	1	52.4	52.4	52.4	157.5	157.5
A. ROSTRATA	4	138.1	24.9	53.8	242.5	322.5
M. MENIDIA	1	5.5	5.5	5.5	92.5	92.5
A. MITCHILLI	1	3.4	3.4	3.4	77.5	77.5
A. AESTIVALIS	4	11.6	2.4	3.3	67.5	77.5
F. HETEROCITUS	1	10.2	10.2	10.2	87.5	87.5
L. XANTHURUS	5	127.1	20.3	29.8	117.5	132.5
C. REGALIS	1	2.9	2.9	2.9	62.5	62.5
M. AMERICANA	1	25.6	25.6	25.6	117.5	117.5

TOTAL 19 376.8

IMPINGEMENT MONITORING PROGRAM
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DATA IGNORED - IN CONTROL MODE