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ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-03-82
INCLUSIVE TIME: 12-03-82
OF SAMPLE: 24 HRS
INLET WATERBOX
TEMPERATURE: 60 F
SCREENS
WASHED: 4
NUMBER OF CIRCULATING
PUMPS IN OPERATION: 2
24 HOUR TOTAL
SAMPLE COUNT: 4594
24 HOUR TOTAL #
SAMPLE WEIGHT: 545.2 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GM)	#	%
THREADFIN SHAD	50.66	3034.	145	90 TO 120	32	53%	0 TO 5	27	45%
GIZZARD SHAD	17.49	302.	215	90 TO 120	24	46%	5 TO 10	19	37%
FRESHWATER DRUM	6.20	204.	316	60 TO 90	25	57%	0 TO 5	29	66%
WHITE BASS	12.50	80.	257	180 TO 210	9	41%	55 TO 60	4	18%
STRIPED BASS	9.37	98.	368	120 TO 150	12	44%	15 TO 20	8	30%
BLUE CATFISH	1.62	18.	300	60 TO 90	1	20%	5 TO 10	2	40%
CHANNEL CATFISH	1.96	40.	201	150 TO 180	4	36%	0 TO 5	2	18%
BLACK BULLHEAD	3.14	47.	162	120 TO 150	11	85%	25 TO 30	5	38%
BLUEGILL SUNFISH	6.36	556.	182	30 TO 60	39	75%	0 TO 5	45	87%
GREEN SUNFISH	1.61	65.	147	60 TO 90	7	39%	0 TO 5	10	56%
LONGEAR SUNFISH	1.60	18.	140	120 TO 150	4	80%	45 TO 50	2	40%
WHITE CRAPPIE	0.37	18.	110	90 TO 120	4	80%	10 TO 15	3	60%
SKIPJACK HERRING	1.28	25.	173	150 TO 180	6	86%	15 TO 20	4	57%

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ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN 12-03-82 CONTINUED

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL HEIGHT(GH)	#	%
MISSISSIPPI SILVERSIDE	0.79	73.	113	90 TO 120	20	100%	0 TO 5	16	80%
RIVER CARPSUCKER	5.22	4.	408	390 TO 420	1	100%	650 TO 655	1	100%
RIVER DARTER	0.05	4.	75	60 TO 90	1	100%	5 TO 10	1	100%
GOLDEN SHIVER	0.03	4.	85	60 TO 90	1	100%	0 TO 5	1	100%

* TOTAL SAMPLE WT. INCLUDES 424.9 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-09-82
INCLUSIVE TIME: 12-09-82
OF SAMPLE: 124 HRS
INLET WATERBOX
TEMPERATURE: 54 F
SCREENS
WASHED: 4
NUMBER OF CIRCULATING
PUMPS IN OPERATION: 2
24 HOUR TOTAL
SAMPLE COUNT: 6740
24 HOUR TOTAL *
SAMPLE WEIGHT: 485.4 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GR)	#	%
THREADFIN SHAD	25.68	1909.	122	90 TO 120	26	46%	0 TO 5	27	48%
GIZZARD SHAD	132.06	1479.	280	150 TO 180	31	56%	35 TO 40	11	20%
BLUEGILL SUNFISH	81.91	2000.	165	30 TO 60	19	33%	0 TO 5	25	44%
FRESHWATER DRUM	24.27	337.	325	120 TO 150	14	26%	0 TO 5	14	26%
WHITE BASS	21.54	139.	257	180 TO 210	19	44%	65 TO 70	5	12%
BLUE CATFISH	3.96	32.	252	180 TO 210	3	30%	70 TO 75	2	20%
BLACK BULLHEAD	3.08	52.	245	60 TO 90	6	38%	0 TO 5	5	31%
CHANNEL CATFISH	12.34	469.	322	60 TO 90	24	46%	0 TO 5	27	52%
STRIPED BASS	6.08	68.	375	120 TO 150	11	52%	10 TO 15	10	48%
LARGemouth BASS	0.60	19.	125	90 TO 120	4	67%	15 TO 20	3	50%
WARMOUTH	0.33	32.	112	30 TO 60	6	60%	0 TO 5	8	80%
LONGEAR SUNFISH	0.55	19.	110	90 TO 120	4	67%	10 TO 15	2	33%
GREEN SUNFISH	0.60	65.	118	30 TO 60	13	65%	0 TO 5	16	80%

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ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-09-82 CONTINUED:

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GR)	#	%
MISSISSIPPI SILVERSIDE	0.89	74.	117	90 TO 120	23	100%	0 TO 5	12	52%
SKIPJACK HERRING	0.43	10.	157	150 TO 180	2	67%	20 TO 25	2	67%
WHITE CRAPPIE	0.48	16.	106	90 TO 120	3	60%	10 TO 15	2	40%
RIVER SHIVER	0.06	6.	94	60 TO 90	1	50%	0 TO 5	2	100%
GOLDEN SHINER	0.15	6.	122	90 TO 120	1	50%	5 TO 10	1	50%
BLACK CRAPPIE	0.56	6.	182	90 TO 120	1	50%	5 TO 10	1	50%

* TOTAL SAMPLE WT. INCLUDES 169.8 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-10-82

INCLUSIVE TIME INLET WATERBOX # SCREENS NUMBER OF CIRCULATING 24 HOUR TOTAL
OF SAMPLE: 24 HRS TEMPERATURE: 54 F WASHED: 4 PUMPS IN OPERATION: 2 SAMPLE COUNT: 5204 24 HOUR TOTAL *
SAMPLE WEIGHT: 326.5 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GR)	#	%
GIZZARD SHAD	51.97	1047.	197	90 TO 120	25	45%	10 TO 15	18	32%
THREADFIN SHAD	21.09	1563.	139	90 TO 120	25	44%	0 TO 5	27	47%
BLUEGILL SUNFISH	25.98	1885.	168	30 TO 60	26	43%	0 TO 5	34	57%
FRESHWATER DRUM	9.39	346.	265	60 TO 90	25	48%	0 TO 5	24	46%
WHITE BASS	8.63	48.	322	180 TO 210	8	36%	65 TO 70	3	14%
CHANNEL CATFISH	1.76	61.	250	60 TO 90	13	46%	5 TO 10	13	46%
BLUE CATFISH	2.72	11.	310	300 TO 330	2	40%	0 TO 5	1	20%
BLACK BULLHEAD	0.70	13.	185	60 TO 90	3	50%	0 TO 5	3	50%
STRIPED BASS	1.87	54.	150	120 TO 150	15	60%	10 TO 15	14	56%
GREEN SUNFISH	0.43	50.	97	30 TO 60	12	52%	0 TO 5	19	83%
WARMOUTH	0.12	15.	91	30 TO 60	5	71%	0 TO 5	6	86%
LONGEAR SUNFISH	0.24	11.	110	90 TO 120	3	60%	0 TO 5	2	40%
MISSISSIPPI SILVERSIDE	0.57	54.	115	90 TO 120	19	76%	0 TO 5	17	66%

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ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-10-82 CONTINUED:

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(AM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(LBS)	#	%
WHITE CRAPPIE	0.30	28.	96	60 TO 90	9	64%	0 TO 5	8	62%
GOLDEN SHINER	0.09	4.	112	90 TO 120	2	100%	5 TO 10	1	50%
LARGEMOUTH BASS	0.16	7.	116	90 TO 120	2	67%	5 TO 10	2	67%
RIVER SHINER	0.04	2.	102	90 TO 120	1	100%	5 TO 10	1	100%
EUROPEAN CARP	0.04	2.	90	60 TO 90	1	100%	5 TO 10	1	100%
SKIPJACK HERRING	0.12	2.	164	150 TO 180	1	100%	20 TO 25	1	100%

* TOTAL SAMPLE WT. INCLUDES 200.3 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-14-82
INCLUSIVE TIME INLET WATERBOX # SCREENS NUMBER OF CIRCULATING 24 HOUR TOTAL
OF SAMPLE: 124 HRS TEMPERATURE: 48 F WASHED: 4 PUMPS IN OPERATION: 2 SAMPLE COUNT: 4179 24 HOUR TOTAL *
SAMPLE WEIGHT: 276.6 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL WEIGHT (GR)	#	%
GIZZARD SHAD	112.72	1730.	197	150 TO 180	23	56%	5 TO 10	13	22%
THREADFIN SHAD	14.75	1403.	152	60 TO 90	32	55%	0 TO 5	34	59%
BLUEGILL SUNFISH	8.88	529.	165	30 TO 60	23	43%	0 TO 5	36	68%
FRESHWATER DRUM	10.37	201.	270	60 TO 90	21	40%	0 TO 5	20	38%
WHITE BASS	8.75	44.	308	210 TO 240	10	42%	65 TO 70	4	17%
BLUE CATFISH	4.19	15.	332	210 TO 240	3	38%	70 TO 75	1	13%
CHANNEL CATFISH	4.28	30.	368	150 TO 180	5	51%	20 TO 25	3	19%
STRIPED BASS	3.44	44.	366	120 TO 150	12	50%	15 TO 20	11	46%
MISSISSIPPI SILVERSIDE	1.53	131.	115	90 TO 120	46	88%	0 TO 5	38	73%
GREEN SUNFISH	0.45	17.	157	30 TO 60	3	33%	0 TO 5	4	44%
WARMOUTH	0.06	6.	79	60 TO 90	2	67%	0 TO 5	2	67%
WHITE CRAPPIE	0.09	6.	107	90 TO 120	2	67%	5 TO 10	2	67%
BLACK BULLHEAD	0.30	6.	173	60 TO 90	1	33%	0 TO 5	1	33%

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ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN 12-14-82 CONTINUED:

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GM)	#	%
SKIPJACK HERRING	0.24	6.	170	150 TO 180	3	100%	20 TO 25	2	67%
LONGEAR SUNFISH	0.05	6.	93	30 TO 60	2	67%	0 TO 5	2	67%
RIVER SHINER	0.01	6.	42	30 TO 60	3	100%	0 TO 5	3	100%
GOLDEN SHINER	0.06	2.	125	120 TO 150	1	100%	15 TO 20	1	100%

* TOTAL SAMPLE WT. INCLUDES 106.4 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-15-82

INCLUSIVE TIME INLET WATERBOX # SCREENS NUMBER OF CIRCULATING 24 HOUR TOTAL 24 HOUR TOTAL *
OF SAMPLE: 124 HRS TEMPERATURE: 47 F WASHED: 4 PUMPS IN OPERATION: 2 SAMPLE COUNT: 3306 SAMPLE WEIGHT: 224.8 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GM)	#	%
GIZZARD SHAD	139.85	2190.	228	150 TO 180	26	42%	35 TO 40	11	17%
THREADFIN SHAD	4.22	495.	111	60 TO 90	33	61%	0 TO 5	37	69%
BLUEGILL SUNFISH	6.65	240.	175	30 TO 60	23	44%	0 TO 5	30	58%
FRESHWATER DRUM	17.89	282.	332	120 TO 150	12	23%	0 TO 5	12	23%
WHITE BASS	7.47	28.	357	210 TO 240	8	42%	65 TO 70	3	16%
CHANNEL CATFISH	1.90	30.	230	180 TO 210	6	30%	0 TO 5	4	20%
BLUE CATFISH	2.39	16.	307	90 TO 120	3	27%	5 TO 10	3	27%
STRIPED BASS	3.38	28.	448	120 TO 150	11	58%	10 TO 15	7	37%
MISSISSIPPI SILVERSIDE	1.31	112.	118	90 TO 120	49	94%	0 TO 5	38	73%
WHITE CHAPPIE	0.06	4.	115	60 TO 90	2	67%	0 TO 5	2	67%
GREEN SUNFISH	0.03	7.	65	30 TO 60	4	80%	0 TO 5	5	100%
SKIPJACK HERRING	0.50	9.	169	150 TO 180	5	83%	20 TO 25	3	50%
LONGEAM SUNFISH	0.19	7.	118	30 TO 60	2	40%	0 TO 5	2	40%

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ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN 12-15-82 CONTINUED:

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GR)	#	%
WARMOUTH	0.03	1.	84	60 TO 90	1	100%	5 TO 10	1	100%
REDEAR SUNFISH	0.14	1.	145	120 TO 150	1	100%	40 TO 45	1	100%
ORANGESPOTTED SUNFISH	0.02	4.	63	30 TO 60	2	67%	0 TO 5	3	100%
BLACK BULLHEAD	0.41	3.	211	150 TO 180	1	50%	45 TO 50	1	50%

* TOTAL SAMPLE WT. INCLUDES 38.4 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-21-82

INCLUSIVE TIME OF SAMPLE: 124 HRS
INLET WATERBOX TEMPERATURE: 40 F
NUMBER OF CIRCULATING PUMPS IN OPERATION: 2
24 HOUR TOTAL SAMPLE COUNT: 2541
24 HOUR TOTAL SAMPLE WEIGHT: 52.9 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	MODAL WEIGHT (GM)	#
GIZZARD SHAD	20.63	598.	248	60 TU	15	48X	0 TU 5 14 45X
THREADFIN SHAD	12.13	1030.	137	60 TU	90	32	73X 0 TU 5 41 93X
FRESHWATER DRUM	3.56	75.	227	60 TU	90	8	31X 0 TU 5 8 31X
WHITE BASS	1.41	5.	350	120 TU	150	2	40X 15 TU 20 1 20X
BLUEGILL SUNFISH	0.56	10.	150	120 TU	150	5	50X 0 TU 5 3 30X
SMALLMOUTH BUFFALO	3.44	1.	465	450 TU	480	1	100X 1555 TU 1560 1 100X
STRIPED BASS	0.08	3.	119	90 TU	120	3	100X 10 TU 15 3 100X
WHITE CRAPPIE	0.07	3.	107	90 TU	120	3	100X 10 TU 15 2 67X
MISSISSIPPI SILVERSIDE	0.09	8.	108	90 TU	120	8	100X 0 TU 5 8 75X
LONGEAR SUNFISH	0.16	1.	159	150 TU	180	1	100X 80 TU 85 1 100X
GOLDEN SHINER	0.04	2.	116	60 TU	90	1	50X 5 TU 10 1 50X
BLUE CATFISH	0.77	2.	314	270 TU	300	1	50X 160 TU 165 1 50X
CHANNEL CATFISH	0.36	1.	217	60 TU	90	3	30X 0 TU 5 3 30X

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ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN 12-21-82 CONTINUED:

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GM)	#	%
BLACK BULLHEAD	0.03	1.	109	90 TO 120	1	100%	10 TO 15	1	100%
BLACK BULLHEAD	3.56	1.	470	450 TO 480	1	100%	1615 TO 1620	1	100%

* TOTAL SAMPLE WT. INCLUDES 0.0 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-22-82
INCLUSIVE TIME: 12:00 PM
OF SAMPLE: 24 HRS
INLET WATERBOX TEMPERATURE: 46 F
SCREENS WASHED: 4
NUMBER OF CIRCULATING PUMPS IN OPERATION: 2
24 HOUR TOTAL SAMPLE COUNT: 1978
24 HOUR TOTAL * SAMPLE WEIGHT: 47.1 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL WEIGHT (GR)	#	%
GIZZARD SHAD	29.25	512.	190	150 TO 180	11	37%	0 TO 5	8	27%
THREADFIN SHAD	9.50	1368.	137	60 TO 90	29	74%	0 TO 5	33	85%
FRESHWATER DRUM	2.69	59.	207	120 TO 150	10	36%	0 TO 5	7	27%
WHITE BASS	0.77	5.	215	180 TO 210	2	40%	70 TO 75	2	40%
CHANNEL CATFISH	0.25	3.	215	120 TO 150	1	33%	20 TO 25	2	67%
BLACK BULLHEAD	0.07	1.	152	150 TO 180	1	100%	30 TO 35	1	100%
STRIPED BASS	1.58	4.	460	90 TO 120	3	75%	10 TO 15	2	50%
SMALLMOUTH BUFFALO	2.25	1.	365	360 TO 390	1	100%	1020 TO 1025	1	100%
BLUEGILL SUNFISH	0.53	10.	170	30 TO 60	2	20%	0 TO 5	3	30%
MISSISSIPPI SILVERSIDE	0.06	6.	110	90 TO 120	5	83%	0 TO 5	5	83%
WHITE CRAPPIE	0.09	3.	134	60 TO 90	1	33%	0 TO 5	1	33%
LONGEAR SUNFISH	0.05	1.	125	120 TO 150	1	100%	20 TO 25	1	100%
GREEN SUNFISH	0.03	1.	88	60 TO 90	1	100%	10 TO 15	1	100%

* TOTAL SAMPLE WT. INCLUDES 0.0 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-29-82

INCLUSIVE TIME: 12.00 HRS
OF SAMPLE: 12.00 HRS
INLET WATERBOX TEMPERATURE: 47 F
SCREENS WASHED: 4
NUMBER OF CIRCULATING PUMPS IN OPERATION: 2
24 HOUR TOTAL SAMPLE COUNT: 675
24 HOUR TOTAL * SAMPLE HEIGHT: 22.1 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	X	MODAL HEIGHT (CM)	#	X
GIZZARD SHAD	11.13	194.	238	60 TU	40	7	26X	0 TU	5
THREADFIN SHAD	2.44	350.	110	60 TU	90	17	54X	0 TU	5
FRESHWATER DRUM	4.25	73.	300	60 TU	90	11	42X	0 TU	5
WHITE BASS	1.32	10.	223	180 TU	210	4	40X	65 TU	70
CHANNEL CATFISH	0.12	6.	165	60 TU	90	3	50X	5 TU	10
BLUE CATFISH	0.79	2.	324	300 TU	330	2	100X	135 TU	140
BLACK BULLHEAD	0.22	2.	222	120 TU	150	1	50X	10 TU	15
BLUEGILL SUNFISH	1.02	24.	160	30 TU	60	9	36X	0 TU	5
MISSISSIPPI SILVERSIDE	0.12	10.	117	90 TU	120	10	100X	0 TU	5
BLACK CHAPPIE	0.37	1.	222	210 TU	240	1	100X	165 TU	170
LUNGEAN SUNFISH	0.02	1.	82	60 TU	90	1	100X	5 TU	10
GOLDEN SHINER	0.04	2.	117	60 TU	90	1	50X	0 TU	5
GREEN SUNFISH	0.13	2.	147	60 TU	90	1	50X	5 TU	10

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ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-29-82 CONTINUED:

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MUSCUL LENGTH(MM)	#	#	TOTAL WEIGHT(GM)	#	#
SKIPJACK HERRING	0.07	1.	170	150 TO 180	1	100%	25 TO 30	1	100%
WHITE CRAPPIE	0.01	1.	82	60 TO 90	1	100%	5 TO 10	1	100%

* TOTAL SAMPLE WT. INCLUDES 0.0 LBS OF DERMIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-30-82
INCLUSIVE TIME 14:00 WATERBOX # SCREENS NUMBER OF CIRCULATING 24 HOUR TOTAL 24 HOUR TOTAL #
OF SAMPLE: 124 HRS TEMPERATURE: 46 F WASHER: 0 PUMPS IN OPERATION: 2 SAMPLE COUNT: 1237 SAMPLE WEIGHT: 29.6 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GM)	#	%
GIZZARD SHAD	16.88	396.	273	90 TO 120	10	34%	5 TO 10	4	31%
THREADFIN SHAD	5.13	742.	144	60 TO 90	26	79%	0 TO 5	27	82%
FRESHWATER DRUM	1.94	40.	316	60 TO 90	10	38%	0 TO 5	12	46%
BLUE CATFISH	0.13	1.	221	210 TO 240	1	100%	55 TO 60	1	100%
CHANNEL CATFISH	0.07	3.	167	60 TO 90	2	67%	0 TO 5	2	67%
BLACK BULLHEAD	0.38	2.	219	210 TO 240	2	100%	75 TO 80	1	50%
WHITE BASS	1.45	9.	349	120 TO 150	3	33%	15 TO 20	3	33%
BLUEGILL SUNFISH	1.54	20.	172	120 TO 150	10	50%	0 TO 5	3	15%
MISSISSIPPI SILVERSIDE	0.20	17.	113	90 TO 120	17	100%	0 TO 5	4	53%
WHITE CRAPPIE	0.04	2.	105	90 TO 120	2	100%	5 TO 10	2	100%
LONGEAR SUNFISH	0.19	2.	147	90 TO 120	1	50%	25 TO 30	1	50%
SKIPJACK MENHADEN	0.04	1.	150	120 TO 150	1	100%	15 TO 20	1	100%
STRIPED BASS	0.04	1.	122	120 TO 150	1	100%	15 TO 20	1	100%

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ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-30-82 CONTINUED:

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	MODAL HEIGHT (MM)	TOTAL HEIGHT (MM)
RIVER CARPSUCKER	1.10	1.	551	330 TO 360	1	495 TO 500

* TOTAL SAMPLE WT. INCLUDES 0.0 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-03-82
INCLUSIVE TIME: 12:00 HRS
OF SAMPLE: 124 HRS
INLET WATERBOX TEMPERATURE: 60 F
SCREENS WASHED: 4
NUMBER OF CIRCULATING PUMPS IN OPERATION: 2
24 HOUR TOTAL SAMPLE COUNT: 4594
24 HOUR TOTAL # SAMPLE WEIGHT: 545.2 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GR)	#	%
THREADFIN SHAD	50.66	3039.	145	90 TO 120	32	53%	0 TO 5	27	45%
GIZZARD SHAD	17.49	302.	215	90 TO 120	24	46%	5 TO 10	19	37%
FRESHWATER DRUM	6.20	204.	316	60 TO 90	25	57%	0 TO 5	29	66%
WHITE BASS	12.50	80.	257	180 TO 210	9	41%	55 TO 60	4	18%
STRIPED BASS	9.37	98.	368	120 TO 150	12	44%	15 TO 20	8	30%
BLUE CATFISH	1.62	18.	300	60 TO 90	1	20%	5 TO 10	2	40%
CHANNEL CATFISH	1.96	40.	201	150 TO 180	4	36%	0 TO 5	2	18%
BLACK BULLHEAD	3.14	47.	162	120 TO 150	11	85%	25 TO 30	5	38%
BLUEGILL SUNFISH	6.36	556.	182	30 TO 60	39	75%	0 TO 5	45	87%
GREEN SUNFISH	1.61	65.	147	60 TO 90	7	39%	0 TO 5	10	56%
LONGEAR SUNFISH	1.60	19.	140	120 TO 150	4	80%	45 TO 50	2	40%
WHITE CRAPPIE	0.37	18.	110	90 TO 120	4	80%	10 TO 15	3	60%
SKIPJACK HERRING	1.28	25.	173	150 TO 180	6	86%	15 TO 20	4	57%

CONTINUED ON NEXT PAGE:

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-03-82 CONTINUED:

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GR)	#	%
MISSISSIPPI SILVERSIDE	0.79	73.	113	90 TO 120	20	100%	0 TO 5	16	80%
RIVER CARPSUCKER	5.22	4.	408	390 TO 420	1	100%	650 TO 655	1	100%
RIVER DARTER	0.05	4.	75	60 TO 90	1	100%	5 TO 10	1	100%
GOLDEN SHIVER	0.03	4.	85	60 TO 90	1	100%	0 TO 5	1	100%

* TOTAL SAMPLE WT. INCLUDES 424.9 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-09-82

INCLUSIVE TIME: 12-09-82
OF SAMPLE: 124 HRS
INLET WATERBOX TEMPERATURE: 54 F
SCREENS WASHED: 4
NUMBER OF CIRCULATING PUMPS IN OPERATION: 2
24 HOUR TOTAL SAMPLE COUNT: 6740
24 HOUR TOTAL * SAMPLE WEIGHT: 485.4 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GR)	#	%
THREADFIN SHAD	25.68	1909.	122	90 TO 120	26	46%	0 TO 5	27	48%
GIZZARD SHAD	25.68	1479.	280	150 TO 180	31	56%	35 TO 40	11	20%
BLUEGILL SUNFISH	25.68	2000.	165	30 TO 60	19	33%	0 TO 5	25	44%
FRESHWATER DRUM	24.27	337.	325	120 TO 150	14	26%	0 TO 5	14	26%
WHITE BASS	21.54	139.	257	180 TO 210	19	44%	65 TO 70	5	12%
BLUE CATFISH	3.96	32.	252	180 TO 210	3	30%	70 TO 75	2	20%
BLACK BULLHEAD	3.08	52.	245	60 TO 90	6	38%	0 TO 5	5	31%
CHANNEL CATFISH	12.34	469.	322	60 TO 90	24	46%	0 TO 5	27	52%
STRIPED BASS	6.08	68.	375	120 TO 150	11	52%	10 TO 15	10	48%
LARGemouth BASS	0.60	19.	125	90 TO 120	4	67%	15 TO 20	3	50%
WARMOUTH	0.33	32.	112	30 TO 60	6	60%	0 TO 5	8	80%
LONGEAR SUNFISH	0.55	19.	110	90 TO 120	4	67%	10 TO 15	2	33%
GREEN SUNFISH	0.60	65.	118	30 TO 60	13	65%	0 TO 5	16	80%

CONTINUED ON NEXT PAGE:

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN 12-09-82 CONTINUED

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GR)	#	%
MISSISSIPPI SILVERSIDE	0.89	74.	117	90 TO 120	23	100%	0 TO 5	12	52%
SKIPJACK HERRING	0.43	10.	157	150 TO 180	2	67%	20 TO 25	2	67%
WHITE CRAPPIE	0.48	16.	146	90 TO 120	3	60%	10 TO 15	2	40%
RIVER SHIVER	0.06	6.	94	60 TO 90	1	50%	0 TO 5	2	100%
GOLDEN SHINER	0.15	6.	122	90 TO 120	1	50%	5 TO 10	1	50%
BLACK CRAPPIE	0.56	6.	182	90 TO 120	1	50%	5 TO 10	1	50%

* TOTAL SAMPLE WT. INCLUDES 169.8 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-10-82

INCLUSIVE TIME INLET WATERBOX # SCREENS NUMBER OF CIRCULATING 24 HOUR TOTAL 24 HOUR TOTAL *
OF SAMPLE: 24 HRS TEMPERATURE: 54 F WASHED: 4 PUMPS IN OPERATION: 2 SAMPLE COUNT: 5204 SAMPLE WEIGHT: 326.5 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GR)	#	%
GIZZARD SHAD	51.97	1047.	197	90 TO 120	25	45%	10 TO 15	18	32%
THREADFIN SHAD	21.09	1563.	139	90 TO 120	25	44%	0 TO 5	27	47%
BLUEGILL SUNFISH	25.98	1885.	168	30 TO 60	26	43%	0 TO 5	34	57%
FRESHWATER DRUM	9.39	346.	265	60 TO 90	25	48%	0 TO 5	24	46%
WHITE BASS	8.63	49.	322	180 TO 210	8	36%	65 TO 70	3	14%
CHANNEL CATFISH	1.76	61.	250	60 TO 90	13	46%	5 TO 10	13	46%
BLUE CATFISH	2.72	11.	310	300 TO 330	2	40%	0 TO 5	1	20%
BLACK BULLHEAD	0.70	13.	185	60 TO 90	3	50%	0 TO 5	3	50%
STRIPED BASS	1.87	54.	150	120 TO 150	15	60%	10 TO 15	14	56%
GREEN SUNFISH	0.43	50.	97	30 TO 60	12	52%	0 TO 5	19	83%
WARMOUTH	0.12	15.	91	30 TO 60	5	71%	0 TO 5	6	86%
LONGEAR SUNFISH	0.24	11.	110	90 TO 120	3	60%	0 TO 5	2	40%
MISSISSIPPI SILVERSIDE	0.57	54.	115	90 TO 120	19	76%	0 TO 5	17	68%

CONTINUED ON NEXT PAGE:

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-10-82 CONTINUED:

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(MM)	#	%
WHITE CRAPPIE	0.30	28.	96	60 TO 90	9	69%	0 TO 5	8	62%
GOLDEN SHINER	0.09	4.	112	90 TO 120	2	100%	5 TO 10	1	50%
LARGEMOUTH BASS	0.16	7.	116	90 TO 120	2	67%	5 TO 10	2	67%
RIVER SHINER	0.04	2.	102	90 TO 120	1	100%	5 TO 10	1	100%
EUROPEAN CAMP	0.04	2.	90	60 TO 90	1	100%	5 TO 10	1	100%
SKIPJACK HERRING	0.12	2.	164	150 TO 160	1	100%	20 TO 25	1	100%

* TOTAL SAMPLE WT. INCLUDES 200.3 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN 12-14-82

INCLUSIVE TIME
OF SAMPLE: 24 HRS

INLET WATERBOX
TEMPERATURE: 48 F

SCREENS
WASHED: 4

NUMBER OF CIRCULATING
PUMPS IN OPERATION: 2

24 HOUR TOTAL
SAMPLE COUNT: 4174

24 HOUR TOTAL #
SAMPLE WEIGHT: 276.6 LBS

SPECIES NAME	SPECIES 24 HR TOTAL HEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL HEIGHT(GR)	#	%
GIZZARD SHAD	112.72	1730.	197	150 TO 180	23	38%	5 TO 10	13	22%
THREADFIN SHAD	14.75	1403.	152	60 TO 90	32	55%	0 TO 5	34	59%
BLUEGILL SUNFISH	8.88	529.	165	30 TO 60	23	43%	0 TO 5	36	68%
FRESHWATER DRUM	10.37	201.	270	60 TO 90	21	40%	0 TO 5	20	38%
WHITE BASS	8.75	44.	348	210 TO 240	10	42%	65 TO 70	4	17%
BLUE CATFISH	4.19	15.	332	210 TO 240	3	38%	70 TO 75	1	13%
CHANNEL CATFISH	4.28	30.	368	150 TO 180	5	31%	20 TO 25	3	19%
STRIPED BASS	3.44	44.	366	120 TO 150	12	50%	15 TO 20	11	46%
MISSISSIPPI SILVERSIDE	1.53	131.	115	90 TO 120	46	88%	0 TO 5	38	73%
GREEN SUNFISH	0.45	17.	157	30 TO 60	3	33%	0 TO 5	4	44%
WARMOUTH	0.06	6.	79	60 TO 90	2	67%	0 TO 5	2	67%
WHITE CRAPPIE	0.09	6.	107	90 TO 120	2	67%	5 TO 10	2	67%
BLACK BULLHEAD	0.30	6.	173	60 TO 90	1	33%	0 TO 5	1	33%

CONTINUED ON NEXT PAGE:

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-14-82 CONTINUED:

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GR)	#	%
SKIPJACK HERRING	0.29	6.	170	150 TO 180	3	100%	20 TO 25	2	67%
LONGEAR SUNFISH	0.05	6.	93	30 TO 60	2	67%	0 TO 5	2	67%
RIVER SHINER	0.01	6.	42	30 TO 60	3	100%	0 TO 5	3	100%
GOLDEN SHINER	0.06	2.	125	120 TO 150	1	100%	15 TO 20	1	100%

* TOTAL SAMPLE WT. INCLUDES 106.4 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-15-82

INCLUSIVE TIME

INLET WATERBOX

SCREENS

NUMBER OF CIRCULATING

24 HOUR TOTAL

24 HOUR TOTAL #

OF SAMPLE: 24 HRS

TEMPERATURE: 47 F

WASHED: 4

PUMPS IN OPERATION: 2

SAMPLE COUNT: 3306

SAMPLE WEIGHT: 224.8 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GM)	#	%
GIZZARD SHAD	139.85	2190.	228	150 TO 180	28	42%	35 TO 40	11	17%
THREADFIN SHAD	4.22	495.	111	60 TO 90	33	61%	0 TO 5	37	69%
BLUEGILL SUNFISH	6.65	240.	175	30 TO 60	23	44%	0 TO 5	30	58%
FRESHWATER DRUM	17.89	282.	332	120 TO 150	12	23%	0 TO 5	12	23%
WHITE BASS	7.47	28.	357	210 TO 240	8	42%	65 TO 70	3	16%
CHANNEL CATFISH	1.90	30.	230	180 TO 210	6	30%	0 TO 5	4	20%
BLUE CATFISH	2.39	16.	307	90 TO 120	3	27%	5 TO 10	3	27%
STRIPED BASS	3.38	28.	448	120 TO 150	11	58%	10 TO 15	7	37%
MISSISSIPPI SILVERSIDE	1.31	112.	118	90 TO 120	49	94%	0 TO 5	38	73%
WHITE CHAPPIE	0.06	4.	115	60 TO 90	2	67%	0 TO 5	2	67%
GREEN SUNFISH	0.03	7.	65	30 TO 60	4	80%	0 TO 5	5	100%
SKIPJACK HERRING	0.50	9.	169	150 TO 180	5	83%	20 TO 25	3	50%
LONGEAM SUNFISH	0.19	7.	118	30 TO 60	2	40%	0 TO 5	2	40%

CONTINUED ON NEXT PAGE:

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN 12-15-82 CONTINUED:

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GM)	#	%
WARWOUTH	0.03	1.	84	60 TO 90	1	100%	5 TO 10	1	100%
REDEAR SUNFISH	0.14	1.	145	120 TO 150	1	100%	40 TO 45	1	100%
ORANGESPOTTED SUNFISH	0.02	4.	63	30 TO 60	2	67%	0 TO 5	3	100%
BLACK BULLHEAD	0.41	3.	211	150 TO 180	1	50%	45 TO 50	1	50%

* TOTAL SAMPLE WT. INCLUDES 38.4 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-21-82

INCLUSIVE TIME

INLET WATERBOX

SCREENS

NUMBER OF CIRCULATING

24 HOUR TOTAL

24 HOUR TOTAL *

OF SAMPLE: 24 HRS

TEMPERATURE: 46 F

WASHED: 4

PUMPS IN OPERATION: 2

SAMPLE COUNT: 2541

SAMPLE WEIGHT: 52.9 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GR)	#	%
GIZZARD SHAD	20.63	598.	248	60 TO 90	15	48%	0 TO 5	14	45%
THREADFIN SHAD	12.13	1830.	137	60 TO 90	32	73%	0 TO 5	41	93%
FRESHWATER DRUM	3.56	75.	227	60 TO 90	8	31%	0 TO 5	8	31%
WHITE BASS	1.41	5.	350	120 TO 150	2	40%	15 TO 20	1	20%
BLUEGILL SUNFISH	0.56	10.	150	120 TO 150	5	50%	0 TO 5	3	30%
SMALLMOUTH BUFFALO	3.44	1.	465	450 TO 480	1	100%	1555 TO 1560	1	100%
STRIPED BASS	0.08	3.	119	90 TO 120	3	100%	10 TO 15	3	100%
WHITE CRAPPIE	0.07	3.	107	90 TO 120	3	100%	10 TO 15	2	67%
MISSISSIPPI SILVERSIDE	0.09	8.	108	90 TO 120	8	100%	0 TO 5	6	75%
LONGEAR SUNFISH	0.18	1.	159	150 TO 180	1	100%	80 TO 85	1	100%
GOLDEN SHINER	0.04	2.	116	60 TO 90	1	50%	5 TO 10	1	50%
BLUE CATFISH	0.77	2.	314	270 TO 300	1	50%	160 TO 165	1	50%
CHANNEL CATFISH	0.38	1.	217	60 TO 90	3	38%	0 TO 5	3	38%

CONTINUED ON NEXT PAGE:

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN 12-21-82 CONTINUED:

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL HEIGHT(GH)	#	%
BLACK BULLHEAD	0.03	1.	109	90 TO 120	1	100%	10 TO 15	1	100%
BLACK BULLHEAD	3.56	1.	470	450 TO 480	1	100%	1615 TO 1620	1	100%

* TOTAL SAMPLE WT. INCLUDES 0.0 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-22-92

INCLUSIVE TIME
OF SAMPLE: 24 HRS

INLET WATERBOX
TEMPERATURE: 46 F

SCREENS
WASHED: 4

NUMBER OF CIRCULATING
PUMPS IN OPERATION: 2

24 HOUR TOTAL
SAMPLE COUNT: 1978

24 HOUR TOTAL *
SAMPLE WEIGHT: 47.1 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL WEIGHT (GR)	#	%
GIZZARD SHAD	29.25	512.	190	150 TO 180	11	37%	0 TO 5	8	27%
THREADFIN SHAD	9.50	1368.	137	60 TO 90	29	74%	0 TO 5	33	85%
FRESHWATER DRUM	2.69	59.	207	120 TO 150	10	38%	0 TO 5	7	27%
WHITE BASS	0.77	5.	215	180 TO 210	2	40%	70 TO 75	2	40%
CHANNEL CATFISH	0.25	3.	215	120 TO 150	1	33%	20 TO 25	2	67%
BLACK BULLHEAD	0.07	1.	152	150 TO 180	1	100%	30 TO 35	1	100%
STRIPED BASS	1.58	4.	460	90 TO 120	3	75%	10 TO 15	2	50%
SMALLMOUTH BUFFALO	2.25	1.	365	360 TO 390	1	100%	1020 TO 1025	1	100%
BLUEGILL SUNFISH	0.53	10.	170	30 TO 60	2	20%	0 TO 5	3	30%
MISSISSIPPI SILVERSIDE	0.06	6.	110	90 TO 120	5	83%	0 TO 5	5	83%
WHITE CHAPPIE	0.09	3.	134	60 TO 90	1	33%	0 TO 5	1	33%
LONGEAR SUNFISH	0.05	1.	125	120 TO 150	1	100%	20 TO 25	1	100%
GREEN SUNFISH	0.03	1.	88	60 TO 90	1	100%	10 TO 15	1	100%

* TOTAL SAMPLE WT. INCLUDES 0.0 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-29-82

INCLUSIVE TIME

INLET WATERBOX

SCREENS

NUMBER OF CIRCULATING

24 HOUR TOTAL

24 HOUR TOTAL *

OF SAMPLE: 24 HRS

TEMPERATURE: 47 F

WASHER: 4

PUMPS IN OPERATION: 2

SAMPLE COUNT: 679

SAMPLE WEIGHT: 22.1 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL WEIGHT (GR)	#	%
GIZZARD SHAD	11.13	194.	238	60 TO 90	7	26%	0 TO 5	8	30%
THREADFIN SHAD	2.44	350.	110	60 TO 90	17	59%	0 TO 5	27	93%
FRESHWATER DRUM	4.25	73.	300	60 TO 90	11	42%	0 TO 5	10	38%
WHITE BASS	1.32	10.	223	180 TO 210	4	40%	65 TO 70	3	30%
CHANNEL CATFISH	0.12	6.	165	60 TO 90	3	50%	5 TO 10	3	50%
BLUE CATFISH	0.79	2.	324	300 TO 330	2	100%	135 TO 140	1	50%
BLACK BULLHEAD	0.22	2.	222	120 TO 150	1	50%	10 TO 15	1	50%
BLUEGILL SUNFISH	1.02	24.	160	30 TO 60	9	38%	0 TO 5	12	50%
MISSISSIPPI SILVERSIDE	0.12	10.	117	90 TO 120	10	100%	0 TO 5	7	70%
BLACK CHAPPIE	0.37	1.	222	210 TO 240	1	100%	165 TO 170	1	100%
LUNGEON SUNFISH	0.02	1.	82	60 TO 90	1	100%	5 TO 10	1	100%
GOLDEN SHINER	0.04	2.	117	60 TO 90	1	50%	0 TO 5	1	50%
GREEN SUNFISH	0.13	2.	147	60 TO 90	1	50%	5 TO 10	1	50%

CONTINUED ON NEXT PAGE:

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-29-82 CONTINUED:

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MUDAL LENGTH (MM)	#	X	MUDAL HEIGHT (GR)	#	X
SKIPJACK HERRING	0.07	1.	170	150 TO 180	1	100%	25 TO 30	1	100%
WHITE CRAPPIE	0.01	1.	82	60 TO 90	1	100%	5 TO 10	1	100%

* TOTAL SAMPLE WT. INCLUDES 0.0 LBS OF DERMIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-30-82

INCLUSIVE TIME

INLET WATERBOX

SCREENS

NUMBER OF CIRCULATING

24 HOUR TOTAL

24 HOUR TOTAL *

OF SAMPLE: 124 HRS

TEMPERATURE: 46 F

WASHED: 0

PUMPS IN OPERATION: 2

SAMPLE COUNT: 1237

SAMPLE WEIGHT: 29.6 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GH)	#	%
GIZZARD SHAD	16.88	396.	273	90 TO 120	10	34%	5 TO 10	9	31%
THREADFIN SHAD	5.13	742.	144	60 TO 90	26	79%	0 TO 5	27	82%
FRESHWATER DRUM	1.94	40.	316	60 TO 90	10	38%	0 TO 5	12	46%
BLUE CATFISH	0.13	1.	221	210 TO 240	1	100%	55 TO 60	1	100%
CHANNEL CATFISH	0.07	3.	167	60 TO 90	2	67%	0 TO 5	2	67%
BLACK BULLHEAD	0.38	2.	219	210 TO 240	2	100%	75 TO 80	1	50%
WHITE BASS	1.95	9.	349	120 TO 150	3	33%	15 TO 20	3	33%
BLUEGILL SUNFISH	1.54	20.	172	120 TO 150	10	50%	0 TO 5	3	15%
MISSISSIPPI SILVERSIDE	0.20	17.	113	90 TO 120	17	100%	0 TO 5	9	53%
WHITE CRAPPIE	0.04	2.	105	90 TO 120	2	100%	5 TO 10	2	100%
LONGEAR SUNFISH	0.19	2.	147	90 TO 120	1	50%	25 TO 30	1	50%
SKIPJACK HERRING	0.04	1.	150	120 TO 150	1	100%	15 TO 20	1	100%
STRIPED BASS	0.04	1.	122	120 TO 150	1	100%	15 TO 20	1	100%

CONTINUED ON NEXT PAGE:

ARKANSAS POREN & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-30-82 CONTINUED:

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	MODAL HEIGHT(MM)	#	#	#
RIVER CARPSUCKER	1.10	1.	351	330 TO 360	495 TO 500	1	100X	1 100X

* TOTAL SAMPLE WT. INCLUDES 0.0 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-09-82

INCLUSIVE TIME INLET WATERBOX # SCREENS NUMBER OF CIRCULATING 24 HOUR TOTAL 24 HOUR TOTAL #
OF SAMPLE: 124 HRS TEMPERATURE: 54 F WASHED: 4 PUMPS IN OPERATION: 2 SAMPLE COUNT: 6740 SAMPLE WEIGHT: 485.4 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GR)	#	%
THREADFIN SHAD	25.68	1409.	122	90 TO 120	26	46%	0 TO 5	27	48%
GIZZARD SHAD	132.06	1479.	280	150 TO 180	31	56%	35 TO 40	11	20%
BLUEGILL SUNFISH	81.91	2000.	165	30 TO 60	19	33%	0 TO 5	25	44%
FRESHWATER DRUM	24.27	337.	325	120 TO 150	14	26%	0 TO 5	14	26%
WHITE BASS	21.54	139.	257	180 TO 210	19	44%	65 TO 70	5	12%
BLUE CATFISH	3.96	32.	252	180 TO 210	3	30%	70 TO 75	2	20%
BLACK BULLHEAD	3.08	52.	245	60 TO 90	6	38%	0 TO 5	5	31%
CHANNEL CATFISH	12.34	469.	322	60 TO 90	24	46%	0 TO 5	27	52%
STRIPED BASS	6.08	68.	375	120 TO 150	11	52%	10 TO 15	10	48%
LARGemouth BASS	0.60	19.	125	90 TO 120	4	67%	15 TO 20	3	50%
WARMOUTH	0.33	32.	112	30 TO 60	6	60%	0 TO 5	8	80%
LONGEARN SUNFISH	0.55	19.	110	90 TO 120	4	67%	10 TO 15	2	33%
GREEN SUNFISH	0.60	65.	118	30 TO 60	13	65%	0 TO 5	16	60%

CONTINUED ON NEXT PAGE:

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN 12-09-82 CONTINUED

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GR)	#	%
MISSISSIPPI SILVERSIDE	0.89	74.	117	90 TO 120	23	100%	0 TO 5	12	92%
SKIPJACK HERRING	0.43	10.	157	150 TO 180	2	67%	20 TO 25	2	67%
WHITE CRAPPIE	0.48	16.	146	90 TO 120	3	60%	10 TO 15	2	40%
RIVER SHYER	0.06	6.	94	60 TO 90	1	50%	0 TO 5	2	100%
GOLDEN SHYER	0.15	6.	122	90 TO 120	1	50%	5 TO 10	1	50%
BLACK CRAPPIE	0.56	6.	182	90 TO 120	1	50%	5 TO 10	1	50%

* TOTAL SAMPLE WT. INCLUDES 169.8 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN 12-10-92

INLET WATERBOX INCLUSIVE TIME
OF SAMPLE 124 HRS TEMPERATURE 54 F

SCREENS
WASHED 4

NUMBER OF CIRCULATING 24 HOUR TOTAL
PUMPS IN OPERATION 2 SAMPLE COUNT 5204

24 HOUR TOTAL *
SAMPLE WEIGHT 326.5 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	AXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	MODAL WEIGHT (GM)	#
GIZZARD SHAD	51.97	1047.	197	90 TO 120	25	45x	10 TO 15 16 32x
THREADFIN SHAD	21.09	1563.	139	90 TO 120	25	44x	0 TO 5 27 47x
BLUEGILL SUNFISH	25.98	1885.	168	30 TO 60	26	43x	0 TO 5 34 57x
FRESHWATER DRUM	9.39	346.	265	60 TO 90	25	48x	0 TO 5 24 46x
WHITE BASS	8.63	49.	322	180 TO 210	8	36x	65 TO 70 3 14x
CHANNEL CATFISH	1.76	61.	250	60 TO 90	13	46x	5 TO 10 13 46x
BLUE CATFISH	2.72	11.	310	300 TO 330	2	40x	0 TO 5 1 20x
BLACK BULLHEAD	0.70	13.	185	60 TO 90	3	50x	0 TO 5 3 50x
STRIPED BASS	1.87	54.	150	120 TO 150	15	60x	10 TO 15 14 56x
GREEN SUNFISH	0.43	50.	97	30 TO 60	12	52x	0 TO 5 19 83x
WARTMOUTH	0.12	15.	91	30 TO 60	5	71x	0 TO 5 6 86x
LONGEAR SUNFISH	0.24	11.	110	90 TO 120	3	60x	0 TO 5 2 40x
MISSISSIPPI SILVERSIDE	0.57	54.	115	90 TO 120	19	76x	0 TO 5 17 68x

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ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-10-82 CONTINUED:

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(OZ)	#	%
WHITE CHAPPIE	0.30	28.	96	60 TO 90	9	64%	0 TO 5	8	62%
GOLDEN SHINER	0.09	4.	112	90 TO 120	2	100%	5 TO 10	1	50%
LARGEMOUTH BASS	0.16	7.	116	90 TO 120	2	67%	5 TO 10	2	67%
RIVER SHINER	0.04	2.	102	90 TO 120	1	100%	5 TO 10	1	100%
EUROPEAN CAMP	0.04	2.	90	60 TO 90	1	100%	5 TO 10	1	100%
SKIPJACK HERRING	0.12	2.	164	150 TO 180	1	100%	20 TO 25	1	100%

* TOTAL SAMPLE WT. INCLUDES 200.3 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-14-82

INCLUSIVE TIME

INLET WATERBOX

SCREENS

NUMBER OF CIRCULATING

24 HOUR TOTAL

24 HOUR TOTAL *

OF SAMPLE: 24 HRS

TEMPERATURE: 48 F

WASHED: 4

PUMPS IN OPERATION: 2

SAMPLE COUNT: 4179

SAMPLE HEIGHT: 276.6 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL WEIGHT (GR)	#	%
GIZZARD SHAD	112.72	1730.	197	150 TO 180	23	58%	5 TO 10	13	22%
THREADFIN SHAD	14.75	1403.	152	60 TO 90	32	55%	0 TO 5	34	59%
BLUEGILL SUNFISH	8.88	529.	165	30 TO 60	23	43%	0 TO 5	36	68%
FRESHWATER DRUM	10.37	201.	270	60 TO 90	21	40%	0 TO 5	20	38%
WHITE BASS	8.75	44.	348	210 TO 240	10	42%	65 TO 70	4	17%
BLUE CATFISH	4.19	15.	332	210 TO 240	3	38%	70 TO 75	1	13%
CHANNEL CATFISH	4.28	30.	368	150 TO 180	5	31%	20 TO 25	3	19%
STRIPED BASS	3.44	44.	366	120 TO 150	12	50%	15 TO 20	11	46%
MISSISSIPPI SILVERSIDE	1.53	131.	115	90 TO 120	46	88%	0 TO 5	38	73%
GREEN SUNFISH	0.45	17.	157	30 TO 60	3	33%	0 TO 5	4	44%
WARMOUTH	0.06	6.	79	60 TO 90	2	67%	0 TO 5	2	67%
WHITE CHAPPIE	0.09	6.	107	90 TO 120	2	67%	5 TO 10	2	67%
BLACK BULLHEAD	0.30	6.	173	60 TO 90	1	33%	0 TO 5	1	33%

CONTINUED ON NEXT PAGE:

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-14-82 CONTINUED:

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GM)	#	%
SKIPJACK HERRING	0.29	6.	170	150 TO 180	3	100%	20 TO 25	2	67%
LONGEAR SUNFISH	0.05	6.	93	30 TO 60	2	67%	0 TO 5	2	67%
RIVER SHINER	0.01	6.	42	30 TO 60	3	100%	0 TO 5	3	100%
GOLDEN SHINER	0.06	2.	125	120 TO 150	1	100%	15 TO 20	1	100%

* TOTAL SAMPLE WT. INCLUDES 106.4 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-15-82
INCLUSIVE TIME: 12-15-82
OF SAMPLE: 124 HRS
INLET WATERBOX
TEMPERATURE: 47 F
SCREENS
WASHED: 4
NUMBER OF CIRCULATING
PUMPS IN OPERATION: 2
24 HOUR TOTAL
SAMPLE COUNT: 3306
24 HOUR TOTAL #
SAMPLE WEIGHT: 224.8 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GM)	#	%
GIZZARD SHAD	139.85	2190.	228	150 TO 180	28	42%	35 TO 40	11	17%
THREADFIN SHAD	4.22	495.	111	60 TO 90	33	61%	0 TO 5	37	69%
BLUEGILL SUNFISH	6.65	240.	175	30 TO 60	23	44%	0 TO 5	30	58%
FRESHWATER DRUM	17.89	282.	332	120 TO 150	12	23%	0 TO 5	12	23%
WHITE BASS	7.47	28.	357	210 TO 240	8	42%	65 TO 70	3	16%
CHANNEL CATFISH	1.90	30.	230	180 TO 210	6	30%	0 TO 5	4	20%
BLUE CATFISH	2.39	16.	307	90 TO 120	3	27%	5 TO 10	3	27%
STRIPED BASS	3.38	28.	448	120 TO 150	11	58%	10 TO 15	7	37%
MISSISSIPPI SILVERSIDE	1.31	112.	118	90 TO 120	49	94%	0 TO 5	38	73%
WHITE CHAPPIE	0.06	4.	115	60 TO 90	2	67%	0 TO 5	2	67%
GREEN SUNFISH	0.03	7.	65	30 TO 60	4	80%	0 TO 5	5	100%
SKIPJACK HERRING	0.50	9.	169	150 TO 180	5	83%	20 TO 25	3	50%
LONGEAM SUNFISH	0.19	7.	118	30 TO 60	2	40%	0 TO 5	2	40%

CONTINUED ON NEXT PAGE:

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN 12-15-82 CONTINUED:

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL HEIGHT(GH)	#	%
WARHOUTH	0.03	1.	84	60 TO 90	1	100%	5 TO 10	1	100%
REDEAR SUNFISH	0.14	1.	145	120 TO 150	1	100%	40 TO 45	1	100%
ORANGESPOTTED SUNFISH	0.02	4.	63	30 TO 60	2	67%	0 TO 5	3	100%
BLACK BULLHEAD	0.41	3.	211	150 TO 180	1	50%	45 TO 50	1	50%

* TOTAL SAMPLE WT. INCLUDES 36.4 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-21-82

INCLUSIVE TIME
OF SAMPLE: 24 HRS

INLET WATERBOX
TEMPERATURE: 46 F

SCREENS
WASHED: 4

NUMBER OF CIRCULATING
PUMPS IN OPERATION: 2

24 HOUR TOTAL
SAMPLE COUNT: 2541

24 HOUR TOTAL #
SAMPLE WEIGHT: 52.9 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GR)	#	%
GIZZARD SHAD	26.63	598.	248	60 TO 90	15	48%	0 TO 5	14	45%
THREADFIN SHAD	12.13	1830.	137	60 TO 90	32	73%	0 TO 5	41	93%
FRESHWATER DRUM	3.56	75.	227	60 TO 90	8	31%	0 TO 5	8	31%
WHITE BASS	1.41	5.	350	120 TO 150	2	40%	15 TO 20	1	20%
BLUEGILL SUNFISH	0.56	10.	150	120 TO 150	5	50%	0 TO 5	3	30%
SMALLMOUTH BUFFALO	3.44	1.	465	450 TO 480	1	100%	1555 TO 1560	1	100%
STRIPED BASS	0.08	3.	119	90 TO 120	3	100%	10 TO 15	3	100%
WHITE CRAPPIE	0.07	3.	107	90 TO 120	3	100%	10 TO 15	2	67%
MISSISSIPPI SILVERSIDE	0.09	8.	108	90 TO 120	8	100%	0 TO 5	6	75%
LONGEAR SUNFISH	0.18	1.	159	150 TO 180	1	100%	80 TO 85	1	100%
GOLDEN SHINER	0.04	2.	116	60 TO 90	1	50%	5 TO 10	1	50%
BLUE CATFISH	0.77	2.	314	270 TO 300	1	50%	160 TO 165	1	50%
CHANNEL CATFISH	0.38	1.	217	60 TO 90	3	38%	0 TO 5	3	38%

CONTINUED ON NEXT PAGE:

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-21-82 CONTINUED:

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL HEIGHT(GH)	#	%
BLACK BULLHEAD	0.03	1.	109	90 TO 120	1	100%	10 TO 15	1	100%
BLACK BULLHEAD	3.56	1.	470	450 TO 480	1	100%	1615 TO 1620	1	100%

* TOTAL SAMPLE WT. INCLUDES 0.0 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-22-82

INCLUSIVE TIME
OF SAMPLE: 124 HRS

INLET WATERBOX
TEMPERATURE: 40 F

SCREENS
WASHED: 4

NUMBER OF CIRCULATING
PUMPS IN OPERATION: 2

24 HOUR TOTAL
SAMPLE COUNT: 1978

24 HOUR TOTAL *
SAMPLE HEIGHT: 47.1 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	#	MODAL HEIGHT (CM)	#	#
GIZZARD SHAD	29.25	512.	190	150 TO 160	11	37%	0 TO 5	8	27%
THREADFIN SHAD	9.50	1368.	137	60 TO 90	29	74%	0 TO 5	33	85%
FRESHWATER DRUM	2.69	59.	207	120 TO 150	10	36%	0 TO 5	7	27%
WHITE BASS	0.77	5.	215	180 TO 210	2	40%	70 TO 75	2	40%
CHANNEL CATFISH	0.25	3.	215	120 TO 150	1	33%	20 TO 25	2	67%
BLACK BULLHEAD	0.07	1.	152	150 TO 180	1	100%	30 TO 35	1	100%
STRIPED BASS	1.58	4.	460	90 TO 120	3	75%	10 TO 15	2	50%
SHALLMOUTH BUFFALO	2.25	1.	365	360 TO 390	1	100%	1020 TO 1025	1	100%
BLUEGILL SUNFISH	0.53	10.	170	30 TO 60	2	20%	0 TO 5	3	30%
MISSISSIPPI SILVERSIDE	0.06	6.	110	90 TO 120	5	83%	0 TO 5	5	83%
WHITE CRAPPIE	0.09	3.	134	60 TO 90	1	33%	0 TO 5	1	33%
LONGEAR SUNFISH	0.05	1.	125	120 TO 150	1	100%	20 TO 25	1	100%
GREEN SUNFISH	0.03	1.	88	60 TO 90	1	100%	10 TO 15	1	100%

* TOTAL SAMPLE WT. INCLUDES 0.0 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-29-82

INCLUSIVE TIME

INLET WATERBOX

SCREENS

NUMBER OF CIRCULATING

24 HOUR TOTAL

24 HOUR TOTAL *

OF SAMPLE: 124 HRS

TEMPERATURE: 47 F

WASHED: 4

PUMPS IN OPERATION: 2

SAMPLE COUNT: 679

SAMPLE WEIGHT: 22.1 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GR)	#	%
GIZZARD SHAD	11.13	194.	238	60 TO 90	7	26%	0 TO 5	8	30%
THREADFIN SHAD	2.44	350.	110	60 TO 90	17	59%	0 TO 5	27	93%
FRESHWATER DRUM	4.25	73.	300	60 TO 90	11	42%	0 TO 5	10	38%
WHITE BASS	1.32	10.	223	180 TO 210	4	40%	65 TO 70	3	30%
CHANNEL CATFISH	0.12	6.	165	60 TO 90	3	50%	5 TO 10	3	50%
BLUE CATFISH	0.79	2.	324	300 TO 330	2	100%	135 TO 140	1	50%
BLACK BULLHEAD	0.22	2.	222	120 TO 150	1	50%	10 TO 15	1	50%
BLUEGILL SUNFISH	1.02	24.	160	30 TO 60	9	38%	0 TO 5	12	50%
MISSISSIPPI SILVERSIDE	0.12	10.	117	90 TO 120	10	100%	0 TO 5	7	70%
BLACK CHAPPIE	0.37	1.	222	210 TO 240	1	100%	165 TO 170	1	100%
LONGEAN SUNFISH	0.02	1.	82	60 TO 90	1	100%	5 TO 10	1	100%
GOLDEN SHINER	0.04	2.	117	60 TO 90	1	50%	0 TO 5	1	50%
GREEN SUNFISH	0.13	2.	147	60 TO 90	1	50%	5 TO 10	1	50%

CONTINUED ON NEXT PAGE:

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN 12-29-82 CONTINUED:

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GR)	#	%
SKIPJACK HERRING	0.07	1.	170	150 TO 180	1	100%	25 TO 30	1	100%
WHITE CRAPPIE	0.01	1.	82	60 TO 90	1	100%	5 TO 10	1	100%

* TOTAL SAMPLE WT. INCLUDES 0.0 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-30-92

INCLUSIVE TIME: 12-30-92
OF SAMPLE: 124 HRS
INLET WATERBOX TEMPERATURE: 46 F
SCREENS WASHED: 6
NUMBER OF CIRCULATING PUMPS IN OPERATION: 2
24 HOUR TOTAL SAMPLE COUNT: 1237
24 HOUR TOTAL # SAMPLE WEIGHT: 29.6 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL WEIGHT (G)	#	%
GIZZARD SHAD	16.88	396.	273	90 TO 120	10	34%	5 TO 10	9	31%
THREADFIN SHAD	5.13	742.	144	60 TO 90	26	79%	0 TO 5	27	82%
FRESHWATER DRUM	1.94	40.	316	60 TO 90	10	38%	0 TO 5	12	46%
BLUE CATFISH	0.13	1.	201	210 TO 240	1	100%	55 TO 60	1	100%
CHANNEL CATFISH	0.07	3.	167	60 TO 90	2	37%	0 TO 5	2	67%
BLACK BULLHEAD	0.38	2.	219	210 TO 240	2	100%	75 TO 80	1	50%
WHITE BASS	1.95	9.	349	120 TO 150	3	33%	15 TO 20	3	33%
BLUEGILL SUNFISH	1.54	20.	172	120 TO 150	10	50%	0 TO 5	3	15%
MISSISSIPPI SILVERSIDE	0.20	17.	113	90 TO 120	17	100%	0 TO 5	9	93%
WHITE CRAPPIE	0.04	2.	105	90 TO 120	2	100%	5 TO 10	2	100%
LONGEAR SUNFISH	0.19	2.	147	90 TO 120	1	50%	25 TO 30	1	50%
SKIPJACK HERRING	0.04	1.	150	120 TO 150	1	100%	15 TO 20	1	100%
STRIPED BASS	0.04	1.	122	120 TO 150	1	100%	15 TO 20	1	100%

CONTINUED ON NEXT PAGE:

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 01/20/83

SAMPLE TAKEN: 12-30-82 CONTINUED:

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	MODAL WEIGHT(GM)	#	#
RIVER CARPSUCKER	1.10	1.	351	330 TO 360	495 TO 500	1	100%

* TOTAL SAMPLE WT. INCLUDES 0.0 LBS OF DEBRIS ACCUMULATION.