

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 04/21/82

SAMPLE TAKEN: 03-02-82

INCLUSIVE TIME 11:00 AM TO 11:00 PM
OF SAMPLE: 124 HRS
INLET WATERBOX TEMPERATURE: 47 F
SCREENS WASHED: 8
NUMBER OF CIRCULATING PUMPS IN OPERATION: 4
24 HOUR TOTAL SAMPLE COUNT: 43551
24 HOUR TOTAL # SAMPLE WEIGHT: 3182.0 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	2784.25	41748.	274	150 TO 180	37	52%	25 TO 30	19	27%
FRESHWATER DRUM	236.00	1315.	300	210 TO 240	12	25%	25 TO 30	5	10%
THREADFIN SHAD	6.50	148.	170	120 TO 150	3	43%	10 TO 15	2	29%
BLUE CATFISH	17.75	170.	290	60 TO 90	2	25%	0 TO 5	2	25%
CHANNEL CATFISH	1.17	42.	147	90 TO 120	1	50%	5 TO 10	1	50%
BLUEGILL SUNFISH	5.50	64.	143	120 TO 150	3	60%	0 TO 5	2	40%
FLATHEAD CATFISH	0.15	21.	67	60 TO 90	1	100%	0 TO 5	1	100%
STRIPED BASS	1.20	21.	159	150 TO 180	1	100%	25 TO 30	1	100%
SKIPJACK HERRING	0.30	21.	130	120 TO 150	1	100%	10 TO 15	1	100%

* TOTAL SAMPLE WT. INCLUDES 128.9 LBS OF DEBRIS ACCUMULATION.

8205050330 820429
PDR ADDCK 05000313
PDR

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 04/21/82

SAMPLE TAKEN: 03000042

INCLUSIVE TIME: 11:24 AM
OF SAMPLE: 124 HRS
TEMPERATURE: 48 F
WASHER: 0
SPECIES: 24 HR
TOTAL COUNT: 5520
MAXIMUM LENGTH (MM): 102
MODAL LENGTH (MM): 150 TO 180
36
50%
25 TO 30
19
28%
PRESHWATER DRUM
34.00
25%
120 TO 150
14
27%
10 TO 15
9
17%
BLUE CATFISH
11.24
43%
402
90 TO 120
4
31%
0 TO 10
5
4
31%
SKIPJACK MERRING
1.75
1%
290
120 TO 150
3
60%
10 TO 15
3
60%
BLUEGILL SUNFISH
1.32
74%
160
30 TO 60
14
74%
0 TO 10
5
21
64%
GREEN SUNFISH
0.05
10%
55
30 TO 60
3
100%
0 TO 10
5
3
100%
WHITE CHAPPIE
0.04
7%
63
30 TO 60
1
50%
0 TO 10
5
2
100%
LYNGEAT SUNFISH
0.02
20%
120
30 TO 60
2
33%
0 TO 10
5
3
50%
MISSISSIPPI SILVERSIDE
0.07
7%
40
90 TO 120
2
100%
0 TO 10
5
2
100%
LARGemouth BASS
0.04
3%
100
90 TO 120
1
100%
10 TO 15
1
100%
WATMOUTH
0.04
7%
65
30 TO 60
1
50%
0 TO 10
5
1
50%
RIVER DARTER
0.04
3%
70
60 TO 90
1
100%
0 TO 10
5
1
100%
THERAPY SHAD
0.43
10%
175
40 TO 120
1
33%
5 TO 10
1
33%

CONTINUED ON NEXT PAGE

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 06/21/82

SAMPLE TAKEN: 03-00-82 CONTINUED:

SPECIES NAME	SPECIES 24 HR TOTAL HEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	MODAL HEIGHT(GM)	#	%
STRIPED BASS	2.71	7.	300	150 TO 180	1	30 TO 35	1	50%
BLACK CRAPPIE	1.72	3.	243	240 TO 270	1	235 TO 240	1	100%
CHANNEL CATFISH	0.14	3.	146	120 TO 150	1	15 TO 20	1	100%

* TOTAL SAMPLE WT. INCLUDES 119.6 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 04/21/82

SAMPLE TAKEN: 03-09-82

INCLUSIVE TIME: 17:00 TO 18:00 HRS
INLET WATERBOX TEMPERATURE: 47 F
SCREENS WASHED: 6
NUMBER OF CIRCULATING PUMPS IN OPERATION: 4
24 HOUR TOTAL SAMPLE COUNT: 4470
24 HOUR TOTAL * SAMPLE WEIGHT: 304.1 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL WEIGHT (GK)	#	%
GOZZARD SHAD	238.05	4283.	184	150 TO 180	45	63%	25 TO 30	27	38%
FRESHWATER DRUM	16.05	134.	290	90 TO 120	15	24%	5 TO 10	10	19%
BLUEGILL SUNFISH	1.05	15.	190	120 TO 150	4	50%	30 TO 35	2	25%
BLUE CATFISH	1.50	15.	271	180 TO 210	3	36%	25 TO 30	2	25%
CHANNEL CATFISH	3.15	4.	430	60 TO 90	1	50%	0 TO 5	1	50%
SKIPJACK HERRING	0.17	5.	142	120 TO 150	2	67%	10 TO 15	2	67%
THREADFIN SHAD	0.05	2.	110	90 TO 120	1	100%	10 TO 15	1	100%
RIVER CARPSUCKER	0.11	4.	422	300 TO 390	1	50%	455 TO 460	1	50%
MISSISSIPPI SILVERSIDED	0.03	2.	115	90 TO 120	1	100%	5 TO 10	1	100%
LONGEAR SUNFISH	0.01	2.	57	30 TO 60	1	100%	0 TO 5	1	100%

* TOTAL SAMPLE WT. INCLUDES 36.6 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 04/21/82

SAMPLE TAKEN: 03011042

INCLUSIVE TIME

INLET WATERBOX

SCREENS

NUMBER OF CIRCULATING

24 HOUR TOTAL

24 HOUR TOTAL *

OF SAMPLE: 124 HRS

TEMPERATURE: 49 F

WASHED: 0

PUMPS IN OPERATION: 4

SAMPLE COUNT: 2509

SAMPLE HEIGHT

152.0 LBS

SPECIES NAME	SPECIES 24 HR TOTAL HEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	#	MODAL HEIGHT (GM)	#	#
GIZZARD SHAD	116.25	2353	235	150 TO 180	20	412	5 TO 10	12	242
FRESHWATER DRUM	11.75	72	315	150 TO 180	6	234	0 TO 5	3	122
SKIPJACK HERRING	1.31	9	390	120 TO 150	2	502	15 TO 20	2	502
THREADFIN SHAD	0.12	5	120	90 TO 120	3	602	10 TO 15	3	602
BLUE CATFISH	1.10	30	220	90 TO 120	11	374	0 TO 5	13	432
CHANNEL CATFISH	0.13	4	187	60 TO 90	2	502	0 TO 5	2	502
MISSISSIPPI SILVERSIDE	0.01	1	100	90 TO 120	1	1002	0 TO 5	1	1002
WHITE BASS	0.44	2	207	180 TO 210	2	1002	90 TO 95	1	502
STRIPED BASS	0.66	1	295	270 TO 300	1	1002	300 TO 305	1	1002
BLUEGILL SUNFISH	0.46	1	161	30 TO 60	3	434	0 TO 5	3	432
BLACK BULLHEAD	0.12	1	170	150 TO 180	1	1002	50 TO 55	1	1002
GOLDEN SHINER	0.01	1	87	60 TO 90	1	1002	0 TO 5	1	1002
ORANGE SPOTTED SUNFISH	0.01	2	55	30 TO 60	2	1002	0 TO 5	2	1002

CONTINUED ON NEXT PAGE

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 04/21/82

SAMPLE TAKEN: 03-11-82 CONTINUED

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	MODAL WEIGHT(GH)	#	#
LONGEAR SUNFISH	0.05	1.	113	90 TO 120	20 TO 25	1	1002
EMERALD SHINER	0.01	1.	89	60 TO 90	0 TO 5	1	1002

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

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 04/21/82

SAMPLE TAKEN: 03-17-82

INLET WATERBOX # SCREENS NUMBER OF CIRCULATING 24 HOUR TOTAL 24 HOUR TOTAL *
OF SAMPLE 120 HRS TEMPERATURE 53 F WASHED 0 PUMPS IN OPERATION 4 SAMPLE COUNT 1000 SAMPLE HEIGHT 193.1 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	X	MODAL HEIGHT (MM)	#	X
GIZZARD SHAD	78.05	1497.	202	120 TO 150	32	524	20 TO 25	30	484
FRESHWATER DRUM	29.13	210.	350	150 TO 180	17	334	25 TO 30	10	194
BLUE CATFISH	2.10	90.	231	90 TO 120	24	434	0 TO 5	27	484
SKIPJACK HERRING	0.69	5.	302	120 TO 150	2	504	10 TO 15	2	504
CHANNEL CATFISH	0.44	12.	170	120 TO 150	5	504	10 TO 15	3	334
BLUEGILL SUNFISH	1.10	22.	157	120 TO 150	6	354	0 TO 5	8	474
LONGEAM SUNFISH	0.54	12.	123	90 TO 120	7	784	15 TO 20	3	334
GREEN SUNFISH	0.05	4.	85	60 TO 90	2	674	5 TO 10	2	674
BLACK MULLHEAD	0.24	1.	210	180 TO 210	1	1004	85 TO 90	1	1004
STRIPED BASS	1.77	1.	360	330 TO 360	1	1004	620 TO 625	1	1004
WHITE BASS	0.17	1.	175	150 TO 180	1	1004	55 TO 60	1	1004
BLACK CHAPPIE	0.72	1.	244	240 TO 270	1	1004	250 TO 255	1	1004
RIVER SHINER	0.02	1.	97	90 TO 120	1	1004	5 TO 10	1	1004

CONTINUED ON NEXT PAGE

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 06/21/82

SAMPLE TAKEN: 03-17-82 CONTINUED:

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL HEIGHT (GN)	#	%
STONE ROLLER	0.10	1.	147	120 TO 150	1	100%	35 TO 40	1	100%
WARHOOTH	0.07	1.	114	90 TO 120	1	100%	25 TO 30	1	100%

* TOTAL SAMPLE #1. INCLUDES 77.1 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 04/21/82

SAMPLE TAKEN: 03-18-82

INCLUSIVE TIME

INLET WATERBOX

SCREENS

NUMBER OF CIRCULATING

24 HOUR TOTAL

24 HOUR TOTAL *

OF SAMPLE: 24 HRS

TEMPERATURE: 57 F

WASHED: 8

PUMPS IN OPERATION: 4

SAMPLE COUNT: 2275

SAMPLE HEIGHT: 289.7 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL HEIGHT(GM)	#	%
GIZZARD SHAD	80.49	1559.	214	120 TO 150	22	30%	20 TO 25	16	28%
FRESHWATER DRUM	44.18	371.	310	120 TO 150	15	29%	15 TO 20	6	12%
BLUE CATFISH	6.76	189.	237	90 TO 120	17	33%	0 TO 5	19	37%
CHANNEL CATFISH	2.47	43.	217	120 TO 150	9	30%	15 TO 20	8	32%
SKIPJACK HERRING	0.27	6.	4340	120 TO 150	2	67%	10 TO 15	2	67%
BLUEGILL SUNFISH	2.41	42.	164	120 TO 150	11	50%	0 TO 5	6	27%
LYNGEAN SUNFISH	1.80	35.	120	90 TO 120	14	70%	20 TO 25	6	33%
MISSISSIPPI SILVERSIDE	0.04	4.	110	90 TO 120	2	100%	0 TO 5	2	100%
WHITE BASS	2.00	4.	350	210 TO 240	1	50%	135 TO 140	1	50%
GOLDEN SHINER	0.03	4.	92	60 TO 90	1	50%	0 TO 5	2	100%
STRIPED BASS	1.14	2.	282	270 TO 300	1	100%	265 TO 270	1	100%
MARMOUTH	0.08	2.	113	90 TO 120	1	100%	15 TO 20	1	100%
GREEN SUNFISH	0.46	3.	134	120 TO 150	3	75%	25 TO 30	2	50%

* TOTAL SAMPLE WT. INCLUDES 146.5 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 04/21/82

SAMPLE TAKEN: 03-23-82

INCLUSIVE TIME: 14.00 HRS INLET WATERBOX: 58 F # SCREENS: 8 WASHED: 0 NUMBER OF CIRCULATING PUMPS IN OPERATION: 4 24 HOUR TOTAL SAMPLE COUNT: 660 24 HOUR TOTAL * SAMPLE WEIGHT: 46.5 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL WEIGHT (GHS)	#	%
GIZZARD SHAD	20.01	416.	273	150 TO 180	14	40%	25 TO 30	9	31%
FRESHWATER DRUM	19.50	150.	305	90 TO 120	6	22%	5 TO 10	6	22%
BLUE CATFISH	1.45	22.	265	150 TO 180	7	32%	20 TO 25	5	23%
CHANNEL CATFISH	0.88	39.	180	60 TO 90	8	31%	5 TO 10	8	31%
SKIPJACK HERRING	0.79	2.	300	270 TO 300	2	100%	150 TO 155	1	50%
BLUEGILL SUNFISH	0.28	7.	154	30 TO 60	4	57%	0 TO 5	4	57%
GREEN SUNFISH	0.28	4.	170	60 TO 90	2	50%	5 TO 10	2	50%
RIVER CARPSUCKER	1.19	2.	324	270 TO 300	1	50%	170 TO 175	1	50%
LARGEMOUTH SUNFISH	0.44	5.	132	90 TO 120	4	50%	10 TO 15	2	25%
WHITE BASS	0.29	1.	225	210 TO 240	1	100%	125 TO 130	1	100%
STRIPED BASS	0.59	1.	289	270 TO 300	1	100%	265 TO 270	1	100%
BLACK BULLHEAD	0.04	2.	88	60 TO 90	2	100%	5 TO 10	2	100%

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

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 04/21/82

SAMPLE TAKEN: 03-29-82

INCLUSIVE TIME: 14:00 TO 14:00
OF SAMPLE: 24 HRS
TEMPERATURE: 60 F
WASHER: 0
NUMBER OF CIRCULATING 24 HOUR TOTAL
PUMPS IN OPERATION: 4
SAMPLE COUNT: 094
24 HOUR TOTAL *
SAMPLE WEIGHT: 45.6 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	26.13	562.	101	150 TO 180	14	452	25 TO 30 10 322
FRESHWATER DRUM	13.44	75.	385	120 TO 150	4	152	5 TO 10 2 62
SKIPJACK HERRING	0.57	1.	322	300 TO 330	1	1002	255 TO 260 1 1002
BLUE CATFISH	1.77	19.	280	180 TO 210	5	202	0 TO 5 2 112
CHANNEL CATFISH	2.16	19.	424	120 TO 150	7	372	10 TO 15 6 322
BLUEGILL SUNFISH	0.46	8.	161	60 TO 90	2	252	5 TO 10 2 252
STRIPED BASS	0.59	1.	292	270 TO 300	1	1002	265 TO 270 1 1002
WARMOUTH	0.06	1.	105	90 TO 120	1	1002	15 TO 20 1 1002
GOLDEN SHINER	0.03	1.	120	90 TO 120	1	1002	10 TO 15 1 1002
BLACK BULLHEAD	0.02	1.	95	90 TO 120	1	1002	5 TO 10 1 1002
LONGEAM SUNFISH	0.35	5.	128	90 TO 120	4	672	10 TO 15 1 172

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

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 04/21/82

SAMPLE TAKEN: 03:30:42

INCLUSIVE TIME

OF SAMPLE: 24 HRS

TEMPERATURE: 57 F

SCREENS
WASHED: 8

NUMBER OF CIRCULATING
PUMPS IN OPERATION: 2

24 HOUR TOTAL
SAMPLE COUNT: 257

32.6 LBS

SPECIES NAME	SPECIES 24 HR TOTAL COUNT	SPECIES 24 HR TOTAL HEIGHT (LBS)	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	MODAL HEIGHT (MM)	#	MODAL HEIGHT (MM)	#	MODAL HEIGHT (MM)	#
GIZZARD SHAD	139.	6.94	197	120 TO 150	12	442	20 TO 25	13	482		
FRESHWATER DRUM	53.	13.00	292	270 TO 300	8	312	115 TO 120	3	122		
RIVER CARPSUCKER	3.	4.81	392	330 TO 360	1	352	675 TO 680	1	332		
CHANNEL CATFISH	14.	2.29	400	150 TO 180	5	362	10 TO 15	3	212		
BLUE CATFISH	19.	1.22	230	210 TO 240	8	322	0 TO 5	4	212		
SMALLMOUTH BUFFALO	1.	2.58	445	420 TO 450	1	1002	1300 TO 1305	1	1002		
BLUESILL SUNFISH	20.	0.82	150	30 TO 60	8	402	0 TO 5	10	502		
WHITE BASS	1.	0.31	237	210 TO 240	1	1002	140 TO 145	1	1002		
STRIPED BASS	1.	0.36	252	240 TO 270	1	1002	180 TO 185	1	1002		
GREEN SUNFISH	1.	0.01	50	30 TO 60	1	1002	0 TO 5	1	1002		
LARGEMOUTH SUNFISH	3.	0.18	113	60 TO 90	2	402	5 TO 10	2	402		
CHUBBY SHIVER	1.	0.02	92	90 TO 120	1	1002	5 TO 10	1	1002		

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