

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 05/18/81

SAMPLE TAKEN: 04-03-81

INCLUSIVE TIME

INLET WATERBOX

SCREENS

NUMBER OF CIRCULATING

24 HOUR TOTAL

24 HOUR TOTAL *

OF SAMPLE: 124 HRS

TEMPERATURE: 62 F

WASHED: 8

PUMPS IN OPERATION: 4

SAMPLE COUNT: 3776

SAMPLE WEIGHT: 406.1 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	68.69	3416.	195	90 TO 120	50	79%	5 TO 10	40	63%
THREADFIN SHAD	3.32	219.	129	60 TO 90	30	58%	0 TO 5	31	60%
FRESHWATER DRUM	4.65	95.	272	90 TO 120	11	31%	5 TO 10	8	23%
BLUE CATFISH	1.38	16.	258	210 TO 240	2	33%	5 TO 10	1	17%
WHITE CRAPPIE	0.63	5.	245	90 TO 120	1	50%	5 TO 10	1	50%
GOLDEN SHINER	0.04	3.	89	60 TO 90	1	100%	5 TO 10	1	100%
STRIPED BASS	0.05	3.	96	90 TO 120	1	100%	5 TO 10	1	100%
EMERALD SHINER	0.02	3.	77	60 TO 90	1	100%	0 TO 5	1	100%
WHITE BASS	2.68	5.	337	60 TO 90	1	50%	5 TO 10	1	50%
MISSISSIPPI SILVERSIDE	0.13	8.	112	90 TO 120	3	100%	5 TO 10	3	100%
CHANNEL CATFISH	0.11	3.	142	120 TO 150	1	100%	15 TO 20	1	100%

* TOTAL SAMPLE WT. INCLUDES 324.4 LBS OF DEBRIS ACCUMULATION.

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ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 05/16/81

SAMPLE TAKEN 04-07-81									
INLET WATERBOX									
OF SAMPLE 124 HRS									
TEMPERATURE 84 F									
# SCREENS									
WASHED: 0									
NUMBER OF CIRCULATING 24 HOUR TOTAL									
PUMPS IN OPERATION: 4 SAMPLE COUNT: 2420									
24 HOUR TOTAL *									
SAMPLE WEIGHT: 328.3 LBS									
SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	#	MODAL WEIGHT(MM)	#	#
GIZZARD SHAD	47.53	2320.	202	90 TO 120	44	72%	5 TO 10	32	52%
THREADFIN SHAD	4.65	350.	135	60 TO 90	36	69%	0 TO 5	37	71%
FRESHWATER DRUM	13.41	197.	370	120 TO 150	16	31%	5 TO 10	12	23%
BLUEGILL SUNFISH	1.07	13.	178	60 TO 90	2	33%	0 TO 5	1	17%
WARMOUTH	0.11	4.	95	60 TO 90	1	50%	5 TO 10	1	50%
BLUE CATFISH	0.47	7.	222	120 TO 150	1	33%	10 TO 15	1	33%
WHITE CRAPPIE	0.17	7.	110	90 TO 120	3	100%	10 TO 15	2	67%
STRIPED BASS	0.06	4.	105	60 TO 90	1	50%	5 TO 10	2	100%
GOLDEN SHINER	0.03	4.	85	60 TO 90	2	100%	0 TO 5	2	100%
ORANGESPLITED SUNFISH	0.09	2.	100	90 TO 120	1	100%	15 TO 20	1	100%
CHANNEL CATFISH	0.19	2.	191	180 TO 210	1	100%	35 TO 40	1	100%
MISSISSIPPI SILVERSIDE	0.13	9.	114	90 TO 120	4	100%	5 TO 10	3	75%

* TOTAL SAMPLE WT. INCLUDES 260.0 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 05/18/81

SAMPLE TAKEN: 04-10-81
INCLUSIVE TIME: 124 HRS
INLET WATERBOX TEMPERATURE: 66 F
SCREENS WASHED: 8
NUMBER OF CIRCULATING PUMPS IN OPERATION: 4
24 HOUR TOTAL SAMPLE COUNT: 4340
24 HOUR TOTAL * SAMPLE WEIGHT: 554.6 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	67.93	3601.	174	90 TJ 120	47	76%	5 TJ 10	39	65%
THREADFIN SHAD	3.83	307.	137	60 TJ 90	36	69%	0 TJ 5	30	56%
FRESHWATER DRUM	12.25	370.	323	90 TJ 120	21	40%	5 TJ 10	22	42%
CHANNEL CATFISH	1.44	18.	225	150 TJ 180	2	40%	20 TJ 25	2	40%
WHITE CRAPPIE	14.46	18.	356	180 TJ 210	2	40%	65 TJ 70	2	40%
BLUEGILL SUNFISH	0.81	7.	140	120 TJ 150	2	100%	25 TJ 30	1	50%
LARGEMOUTH BASS	3.13	4.	322	300 TJ 330	1	100%	380 TJ 385	1	100%
WARMOUTH	0.10	4.	96	90 TJ 120	1	100%	10 TJ 15	1	100%
WHITE BASS	2.77	4.	314	300 TJ 330	1	100%	340 TJ 345	1	100%
RIVER CARPSUCKER	10.40	4.	435	420 TJ 450	1	100%	1275 TJ 1280	1	100%
EMERALD SHINER	0.03	4.	83	60 TJ 90	1	100%	0 TJ 5	1	100%

* TOTAL SAMPLE WT. INCLUDES 437.6 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 05/18/81

SAMPLE TAKEN: 04-15-81

INCLUSIVE TIME
OF SAMPLE: 124 HRS

INLET WATERBOX
TEMPERATURE: 67 F

SCREENS
WASHED: 6

NUMBER OF CIRCULATING
PUMPS IN OPERATION: 4

24 HOUR TOTAL
SAMPLE COUNT: 2205

24 HOUR TOTAL #
SAMPLE WEIGHT: 50.1 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	32.31	1690.	167	90 TO 120	37	84%	5 TO 10	21	48%
THREADFIN SHAD	1.63	105.	116	90 TO 120	15	58%	5 TO 10	18	69%
FRESHWATER DRUM	8.13	167.	273	90 TO 120	9	33%	5 TO 10	6	30%
EUROPEAN CARP	2.06	1.	510	480 TO 510	1	100%	935 TO 940	1	100%
WHITE CRAPPIE	2.59	12.	290	90 TO 120	2	17%	15 TO 20	3	25%
BLUEGILL SUNFISH	0.71	5.	181	120 TO 150	3	60%	25 TO 30	1	20%
GREEN SUNFISH	0.11	2.	135	60 TO 90	1	50%	5 TO 10	1	50%
WARMOUTH	0.02	1.	83	60 TO 90	1	100%	5 TO 10	1	100%
CHANNEL CATFISH	0.34	4.	230	180 TO 210	2	50%	5 TO 10	1	25%
BLUE CATFISH	0.72	7.	243	210 TO 240	3	43%	15 TO 20	2	29%
MISSISSIPPI SILVERSIDE	0.08	7.	115	90 TO 120	5	71%	0 TO 5	4	57%
EMERALD SHINER	0.01	1.	77	60 TO 90	1	100%	0 TO 5	1	100%
WHITE BASS	0.80	1.	327	300 TO 330	1	100%	360 TO 365	1	100%

CONTINUED ON NEXT PAGE:

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 05/18/81

SAMPLE TAKEN: 04-15-81 CONTINUED

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	MODAL WEIGHT(GM)	#
STRIPED BASS	0.62	1.	297	270 TO 300	1 100%	280 TO 285	1 100%
GOLDEN SHINER	0.01	1.	77	60 TO 90	1 100%	0 TO 5	1 100%

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

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 05/18/61

SAMPLE TAKEN: 04-17-61
INCLUSIVE TIME INLET WATERBOX # SCREENS NUMBER OF CIRCULATING 24 HOUR TOTAL
OF SAMPLE: 24 HRS TEMPERATURE: 67 F WASHED: 8 PUMPS IN OPERATION: 4 SAMPLE COUNT: 1206 24 HOUR TOTAL *
SAMPLE WEIGHT: 57.6 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	22.75	967.	176	90 TO 120	27	77%	5 TO 10	24	69%
THREADFIN SHAD	2.13	116.	125	90 TO 120	18	69%	5 TO 10	15	58%
FRESHWATER DRUM	3.61	70.	310	90 TO 120	9	35%	5 TO 10	5	19%
WHITE CRAPPIE	5.42	10.	377	90 TO 120	2	20%	80 TO 85	2	20%
STRIPED BASS	0.45	4.	242	90 TO 120	2	50%	5 TO 10	2	50%
WHITE BASS	2.13	3.	350	330 TO 360	2	67%	25 TO 30	1	33%
BLUEGILL SUNFISH	1.31	10.	165	120 TO 150	6	60%	45 TO 50	2	20%
CHANNEL CATFISH	0.23	3.	165	120 TO 150	2	40%	20 TO 25	3	60%
BLUE CATFISH	0.19	2.	235	180 TO 210	1	50%	30 TO 35	1	50%
FLATHEAD CATFISH	0.16	1.	213	210 TO 240	1	100%	80 TO 85	1	100%
MISSISSIPPI SILVERSIDE	0.05	4.	119	90 TO 120	3	75%	0 TO 5	2	50%
GOLDEN SHINER	0.04	4.	85	60 TO 90	4	100%	0 TO 5	4	100%
WARMOUTH	0.03	1.	92	90 TO 120	1	100%	10 TO 15	1	100%

CONTINUED ON NEXT PAGE:

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 05/18/81

SAMPLE TAKEN: 04-17-81 CONTINUED

SPECIES NAME	SPECIES 24 MM TOTAL WEIGHT(LBS)	SPECIES 24 MM TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	MODAL WEIGHT(GM)	#
BLACK BULLHEAD	0.24	1.	205	180 TO 210	1	105 TO 110	1
					100%		100%

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

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 05/18/61

SAMPLE TAKEN: 04-21-61

INCLUSIVE TIME INLET WATERBOX # SCREENS NUMBER OF CIRCULATING 24 HOUR TOTAL
OF SAMPLE: 124 HRS TEMPERATURE: 68 F WASHED: 6 PUMPS IN OPERATION: 4 SAMPLE COUNT: 495 24 HOUR TOTAL *
SAMPLE HEIGHT: 25.1 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	13.75	653.	190	90 TO 120	23	72%	5 TO 10	20	63%
THREADFIN SHAD	5.06	263.	113	90 TO 120	21	75%	5 TO 10	23	62%
FRESHWATER DRUM	2.13	49.	195	90 TO 120	12	46%	5 TO 10	10	36%
EUROPEAN CARP	1.38	1.	390	360 TO 390	1	100%	620 TO 625	1	100%
BLUEGILL SUNFISH	0.46	5.	167	120 TO 150	3	60%	10 TO 15	1	20%
LONGEAR SUNFISH	0.34	4.	140	120 TO 150	3	75%	30 TO 35	2	50%
WARMOUTH	0.02	1.	85	60 TO 90	1	100%	5 TO 10	1	100%
BLUE CATFISH	0.97	3.	350	330 TO 360	2	67%	20 TO 25	1	33%
WHITE BASS	0.71	1.	305	300 TO 330	1	100%	320 TO 325	1	100%
GOLDEN SHINER	0.05	4.	85	60 TO 90	4	100%	5 TO 10	3	75%
MISSISSIPPI SILVERSIDE	0.14	9.	117	90 TO 120	9	100%	5 TO 10	8	89%
STRIPED BASS	0.03	1.	105	90 TO 120	1	100%	10 TO 15	1	100%
EMERALD SHINER	0.01	1.	82	60 TO 90	1	100%	0 TO 5	1	100%

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

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 05/18/81

SAMPLE TAKEN: 04-24-81

INCLUSIVE TIME
OF SAMPLE: 24 HRS

INLET WATERBOX
TEMPERATURE: 68 F

SCREENS
WASHED: 6

NUMBER OF CIRCULATING
PUMPS IN OPERATION: 4

24 HOUR TOTAL
SAMPLE COUNT: 605

24 HOUR TOTAL *
SAMPLE WEIGHT: 24.1 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	0.50	285.	173	90 TO 120	17	61%	5 TO 10	15	54%
THREADFIN SHAD	0.18	10.	118	90 TO 120	9	90%	5 TO 10	9	90%
FRESHWATER DRUM	4.31	270.	301	90 TO 120	15	54%	5 TO 10	15	54%
BLUEGILL SUNFISH	1.14	8.	175	150 TO 180	4	50%	115 TO 120	2	25%
WHITE CRAPPIE	3.49	17.	280	90 TO 120	7	41%	15 TO 20	4	24%
LONGEAK SUNFISH	0.50	4.	129	90 TO 120	2	50%	20 TO 25	1	25%
WHITE BASS	0.32	1.	241	240 TO 270	1	100%	140 TO 145	1	100%
STRIPED BASS	0.08	2.	145	90 TO 120	1	50%	10 TO 15	1	50%
BLUE CATFISH	0.25	1.	205	180 TO 210	1	100%	55 TO 60	1	100%
CHANNEL CATFISH	0.34	1.	348	330 TO 360	1	100%	245 TO 250	1	100%
BLACK BULLHEAD	0.02	1.	91	90 TO 120	1	100%	5 TO 10	1	100%
SKIPJACK HERRING	0.42	1.	286	270 TO 300	1	100%	185 TO 190	1	100%
MISSISSIPPI SILVERSIDE	0.05	4.	115	90 TO 120	4	100%	0 TO 5	2	50%

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

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 05/18/81

SAMPLE TAKEN: 04-28-81
INCLUSIVE TIME INLET WATERBOX # SCREENS NUMBER OF CIRCULATING 24 HOUR TOTAL
OF SAMPLE: 24 HRS TEMPERATURE: 75 F WASHED: 8 PUMPS IN OPERATION: 4 SAMPLE COUNT: 233 24 HOUR TOTAL *
SAMPLE WEIGHT: 9.0 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	3.03	101.	195	90 TO 120	14	54%	5 TO 10	11	42%
THREADFIN SHAD	0.20	9.	122	90 TO 120	6	67%	5 TO 10	5	56%
FRESHWATER DRUM	3.04	102.	310	90 TO 120	14	54%	5 TO 10	13	50%
BLUE CATFISH	0.30	3.	222	210 TO 240	2	67%	25 TO 30	1	33%
CHANNEL CATFISH	0.23	3.	240	90 TO 120	1	33%	10 TO 15	1	33%
BLUEGILL SUNFISH	0.30	2.	155	120 TO 150	1	50%	55 TO 60	1	50%
WHITE CHAPPIE	0.26	3.	180	90 TO 120	2	40%	20 TO 25	2	40%
STRIPED BASS	0.08	1.	157	150 TO 180	1	100%	35 TO 40	1	100%
MISSISSIPPI SILVERSIDE	0.05	3.	125	90 TO 120	4	80%	5 TO 10	5	100%
GOLDEN SHINER	0.01	1.	65	60 TO 90	1	100%	0 TO 5	1	100%
LONGEAR SUNFISH	0.04	1.	99	90 TO 120	1	100%	15 TO 20	1	100%

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