

# ARKANSAS POWER & LIGHT COMPANY AND SCREEN MONITORING

RUN DATE: 07/07/81

SAMPLE TAKEN: 05-01-81

INLET WATERBOX  
TEMPERATURE: 75 F

# SCREENS  
WASHED: 8

NUMBER OF CIRCULATING  
PUMPS IN OPERATION: 4

24 HOUR TOTAL  
SAMPLE COUNT:

70

7.3 LBS

SPECIES NAME	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	MODAL WEIGHT (GM)	#	#	24 HOUR TOTAL SAMPLE WEIGHT
GIZZARD SHAD	13.	233	150 TU 180	5 TU 10	3	232	
THREDAFIN SHAD	1.	122	120 TU 150	10 TU 15	1	1002	
FRESHWATER DRUM	35.	312	90 TU 120	5 TU 10	9	352	
BLUEGILL SUNFISH	3.	183	180 TU 210	0 TU 5	1	132	
WHITE CRAPPIE	2.	315	240 TU 270	200 TU 205	1	502	
WHITE BASS	1.	250	240 TU 270	175 TU 180	1	1002	
LONGEAM SUNFISH	1.	125	120 TU 150	35 TU 40	1	1002	
BLUE CATFISH	2.	242	210 TU 240	70 TU 75	2	1002	
CHANNEL CATFISH	1.	123	120 TU 150	10 TU 15	1	1002	
MISSISSIPPI SILVERSIDE	5.	124	90 TU 120	5 TU 10	4	602	
GOLDEN SHINER	1.	56	30 TU 60	0 TU 5	1	1002	

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

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ARKANSAS POWER & LIGHT COMPANY  
AND SCREEN MONITORING

RUN DATE: 07/07/81

SAMPLE TAKEN: 05-05-81

INCLUSIVE TIME: INLET WATERBOX # SCREENS: NUMBER OF CIRCULATING 24 HOUR TOTAL 24 HOUR TOTAL #  
OF SAMPLE: 124 HRS TEMPERATURE: 73 F WASHED: 8 PUMPS IN OPERATION: 4 SAMPLE COUNTS: 195 SAMPLE WEIGHT: 10.6 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	2.19	67.	208	90 TO 120 18 62%	10 TO 15 10 38%
THREADFIN SHAD	0.13	4.	125	90 TO 120 2 50%	10 TO 15 3 75%
FRESHWATER DRUM	3.06	102.	242	90 TO 120 13 50%	5 TO 10 13 50%
BLUE CATFISH	0.36	2.	277	210 TO 240 1 50%	30 TO 35 1 50%
CHANNEL CATFISH	0.10	4.	144	60 TO 90 2 50%	5 TO 10 2 50%
WHITE CRAPPIE	2.46	6.	327	90 TO 120 1 17%	10 TO 15 1 17%
BLUEGILL SUNFISH	1.01	6.	188	120 TO 150 3 50%	60 TO 65 2 33%
STRIPED BASS	0.71	1.	318	300 TO 330 1 100%	315 TO 320 1 100%
MISSISSIPPI SILVERSIDE	0.04	2.	115	90 TO 120 2 100%	5 TO 10 2 100%
GOLDEN SHINER	0.01	1.	88	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

MON DATE: 7/07/01

SAMPLE TAKEN: 05-08-01	INLET WATERBOX	# SCREENS	NUMBER OF CIRCULATING PUMPS IN OPERATION: 4	24 HOUR TOTAL SAMPLE COUNT	24 HOUR TOTAL SAMPLE WEIGHT
INCLUSIVE TIME	TEMPERATURE: 72 F	WASHED: 0			
OF SAMPLE: 24 HRS					
SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MUJAL LENGTH (MM)	MUJAL WEIGHT (G)
GIZZARD SHAD	4.00	125	175	90 TO 120	10 TO 15
THREADFIN SHAD	0.18	0	130	90 TO 120	10 TO 15
FRESHWATER DRUM	9.15	305	455	90 TO 120	5 TO 10
WHITE BASS	2.22	2	370	270 TO 300	325 TO 330
WHITE CRAPPIE	0.53	2	254	120 TO 150	20 TO 25
MISSISSIPPI SILVERSIDE	0.10	8	120	90 TO 120	0 TO 5
BLUEGILL SUNFISH	0.09	1	130	120 TO 150	35 TO 40
GOLDEN SHINER	0.01	1	84	60 TO 90	0 TO 5
BLUE CATFISH	0.02	1	107	90 TO 120	5 TO 10

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

ARKANSAS POWER & LIGHT COMPANY  
AND SCREEN MONITORING

RUN DATE: 07/07/81

SAMPLE TAKEN: 05-14-81

INCLUSIVE TIME

INLET WATERBOX

# SCREENS

NUMBER OF CIRCULATING

24 HOUR TOTAL

24 HOUR TOTAL \*

OF SAMPLE: 24 HR

TEMPERATURE: 69 F

WASHED: 0

PUMPS IN OPERATION: 4

SAMPLE COUNT: 2012

SAMPLE WEIGHT: 189.9 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL WEIGHT (GN)	#	%
GIZZARD SHAD	34.35	1270.	174	90 TO 120	43	70%	10 TO 15	30	49%
FRESHWATER DRUM	19.71	669.	280	90 TO 120	34	62%	5 TO 10	29	53%
THREADFIN SHAD	0.87	32.	130	90 TO 120	16	64%	10 TO 15	14	56%
WHITE CRAPPIE	1.07	11.	287	90 TO 120	6	67%	10 TO 15	5	56%
BLUE CATFISH	0.29	5.	257	60 TO 90	1	25%	5 TO 10	2	50%
BLUEGILL SUNFISH	0.53	8.	157	120 TO 150	2	33%	10 TO 15	2	33%
MISSISSIPPI SILVERSIDE	0.16	11.	119	90 TO 120	9	100%	5 TO 10	8	89%
GOLDEN SHINER	0.07	6.	65	60 TO 90	5	100%	0 TO 5	4	80%
EMERALD SHINER	0.02	3.	76	60 TO 90	2	100%	0 TO 5	2	100%
BLACK CRAPPIE	0.09	1.	145	120 TO 150	1	100%	30 TO 35	1	100%
BLACK BULLHEAD	0.03	1.	98	90 TO 120	1	100%	5 TO 10	1	100%
STRIPED BASS	0.06	1.	135	120 TO 150	1	100%	20 TO 25	1	100%
GREEN SUNFISH	0.11	1.	130	120 TO 150	1	100%	35 TO 40	1	100%

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SAMPLE TAKEN: 05-14-81 CONTINUED:

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	MODAL WEIGHT (GM)	#
CHESTNUT LAMPREY	0.09	1.	235	210 TO 240	30 TO 35	1 100%
WHITE BASS	1.47	3.	293	270 TO 300	240 TO 245	1 50%
CHANNEL CATFISH	0.12	3.	168	90 TO 120	5 TO 10	1 50%
SKIPJACK PERCH	0.13	1.	191	180 TO 210	45 TO 50	1 100%

TOTAL SAMPLE WT. INCLUDES 130.0 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY  
AND SCREEN MONITORING

RUN DATE: 07/07/81

SAMPLE TAKEN: 05-15-81

INCLUSIVE TIME: INLET WATERBOX # SCREENS  
OF SAMPLE: 124 HRS TEMPERATURE: 67 F WASHED: 0

NUMBER OF CIRCULATING 24 HOUR TOTAL  
PUMPS IN OPERATION: 4 SAMPLE COUNT: 1345

24 HOUR TOTAL #  
SAMPLE WEIGHT: 43.0 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	24.00	948.	194	90 TO 120	28	86%	10 TO 15	15	43%
FRESHWATER DRUM	15.13	514.	260	90 TO 120	17	57%	5 TO 10	15	50%
THREADFIN SHAD	1.56	49.	130	90 TO 120	17	65%	10 TO 15	14	54%
WHITE CRAPPIE	1.58	15.	258	90 TO 120	1	47%	10 TO 15	6	40%
CHANNEL CATFISH	0.25	4.	200	180 TO 210	2	50%	0 TO 5	1	25%
BLUE CATFISH	0.07	3.	127	90 TO 120	2	67%	5 TO 10	2	67%
MISSISSIPPI SILVERSIDE	0.07	6.	115	90 TO 120	5	83%	0 TO 5	5	83%
GOLDEN SHINER	0.04	3.	115	60 TO 90	2	67%	0 TO 5	2	67%
BLUEGILL SUNFISH	0.25	2.	103	90 TO 120	1	50%	15 TO 20	1	50%
WHITE BASS	0.03	1.	115	90 TO 120	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: 07/07/81

SAMPLE TAKEN: 05-19-81

INLET WATERBOX  
OF SAMPLE: 24 HRS

9 SCREENS  
WASHED: 0

NUMBER OF CIRCULATING  
PUMPS IN OPERATION: 4

24 HOUR TOTAL  
SAMPLE COUNT: 1205

24 HOUR TOTAL  
SAMPLE WEIGHT: 35.5 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	ADJUAL LENGTH (MM)	ADJUAL WEIGHT (GM)	#	#
GIZZARD SHAD	25.19	932.	185	90 TO 120	24	642	10 TO 15 10 402
FRESHWATER DRUM	7.13	207.	340	90 TO 120	16	572	5 TO 10 15 542
THREADFIN SHAD	1.19	43.	132	90 TO 120	20	772	10 TO 15 17 652
WHITE CRAPPIE	0.59	4.	255	90 TO 120	3	752	15 TO 20 2 502
BLACK CRAPPIE	0.27	1.	212	210 TO 240	1	1002	120 TO 125 1 1002
BLUE CATFISH	0.36	5.	220	120 TO 150	3	602	10 TO 15 3 602
CHANNEL CATFISH	0.09	2.	168	90 TO 120	1	502	5 TO 10 1 502
BLUEGILL SUNFISH	0.28	2.	165	120 TO 150	1	502	30 TO 35 1 502
LONGEAR SUNFISH	0.28	2.	147	120 TO 150	2	1002	55 TO 60 1 502
WHITE BASS	0.03	1.	120	90 TO 120	1	1002	10 TO 15 1 1002
MISSISSIPPI SILVERSIDE	0.07	5.	114	90 TO 120	5	1002	5 TO 10 4 802
EMERALD SHINER	0.01	1.	82	60 TO 90	1	1002	0 TO 5 1 1002

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

ARKANSAS POWER & LIGHT COMPANY  
AND SCREEN MONITORING

RUN DATE: 07/07/81

SAMPLE TAKEN: 05-22-81

INCLUSIVE TIME INLET WATERBOX # SCREENS NUMBER OF CIRCULATING 24 HOUR TOTAL 24 HOUR TOTAL #  
OF SAMPLE: 24 HRS TEMPERATURE: 68 F WASHED: 0 PUMPS IN OPERATION: 4 SAMPLE COUNT: 977 SAMPLE WEIGHT: 31.1 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	12.88	425.	190	90 TO 120	20	69%	10 TO 15	14	48%
THREADFIN SHAD	0.86	30.	142	90 TO 120	22	73%	10 TO 15	18	60%
FRESHWATER DRUM	13.00	468.	324	90 TO 120	20	67%	10 TO 15	12	40%
WHITE CRAPPIE	1.43	9.	298	90 TO 120	3	33%	10 TO 15	2	22%
BLUE CATFISH	0.96	12.	296	90 TO 120	6	50%	5 TO 10	4	33%
CHANNEL CATFISH	0.73	5.	312	90 TO 120	2	40%	5 TO 10	1	20%
STRIPED BASS	0.07	1.	159	150 TO 180	1	100%	30 TO 35	1	100%
WHITE BASS	0.81	2.	268	150 TO 180	1	50%	50 TO 55	1	50%
BLUEGILL SUNFISH	0.33	4.	170	30 TO 60	1	25%	0 TO 5	1	25%
MISSISSIPPI SILVERSIDE	0.24	18.	124	90 TO 120	17	94%	5 TO 10	11	61%
RIVER SHINER	0.02	2.	84	60 TO 90	2	100%	0 TO 5	2	100%
EMERALD SHINER	0.01	1.	78	60 TO 90	1	100%	0 TO 5	1	100%

\* TOTAL SAMPLE #1. INCLUDES 0.0 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY  
AND SCREEN MONITORING

RUN DATE: 07/07/01

SAMPLE TAKEN: 05-27-01

INCLUSIVE TIME INLET WATERBOX  
OF SAMPLE: 24 HRS TEMPERATURE: 69 F

# SCREENS  
WASHED: 0

NUMBER OF CIRCULATING 24 HOUR TOTAL  
PUMPS IN OPERATION: 4 SAMPLE COUNT: 939

24 HOUR TOTAL \*  
SAMPLE WEIGHT: 27.4 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	MODAL WEIGHT(GM)	#	#
FRESHWATER DRUM	14.75	685.	352	90 TO 120	26	814	5 TO 10 22 692
GIZZARD SHAD	9.13	225.	184	150 TO 180	12	434	10 TO 15 6 214
THREADFIN SHAD	0.30	12.	134	120 TO 150	8	674	10 TO 15 8 674
LARGEMOUTH BASS	2.31	1.	435	420 TO 450	1	1004	1045 TO 1050 1 1004
WHITE BASS	0.10	1.	175	150 TO 180	1	1004	45 TO 50 1 1004
STRIPED BASS	0.05	1.	142	120 TO 150	1	1004	20 TO 25 1 1004
BLUEGILL SUNFISH	0.07	1.	140	120 TO 150	1	1004	25 TO 30 1 1004
GREEN SUNFISH	0.05	1.	107	90 TO 120	1	1004	20 TO 25 1 1004
LONGEAK SUNFISH	0.18	2.	135	90 TO 120	1	504	25 TO 30 1 504
BLUE CATFISH	0.40	1.	295	270 TO 300	1	1004	180 TO 185 1 1004
CHANNEL CATFISH	0.02	1.	117	90 TO 120	1	1004	10 TO 15 1 1004
MISSISSIPPI SILVERSIDE	0.05	3.	115	90 TO 120	3	1004	5 TO 10 3 1004
GOLDEN SHINER	0.01	1.	80	60 TO 90	1	1004	0 TO 5 1 1004

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

ARKANSAS POWER & LIGHT COMPANY  
AND SCREEN MONITORING

RUN DATE: 07/07/81

SAMPLE TAKEN: 05-28-81

INCLUSIVE TIME

INLET WATERBOX

# SCREENS

NUMBER OF CIRCULATING

24 HOUR TOTAL

24 HOUR TOTAL \*

OF SAMPLE: 24 HRS

TEMPERATURE: 73 F

WASHED: 8

PUMPS IN OPERATION: 4

SAMPLE COUNTS

925

SAMPLE HEIGHT:

29.6 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL HEIGHT(CM)	#	%
FRESHWATER DRUM	12.00	534.	275	90 TO 120	20	65%	5 TO 10	17	55%
GIZZARD SHAD	10.81	335.	245	90 TO 120	17	54%	10 TO 15	9	31%
THREADFIN SHAD	0.46	15.	144	120 TO 150	9	60%	10 TO 15	7	47%
BLUEGILL SUNFISH	1.27	6.	178	150 TO 180	5	83%	60 TO 65	2	33%
WHITE CRAPPIE	1.96	6.	273	210 TO 240	2	33%	15 TO 20	1	17%
BLUE CATFISH	0.25	4.	344	150 TO 180	2	50%	30 TO 35	2	50%
CHANNEL CATFISH	0.21	4.	193	90 TO 120	1	25%	10 TO 15	2	50%
ORANGE SPOTTED SUNFISH	0.02	1.	110	90 TO 120	1	100%	5 TO 10	1	100%
MISSISSIPPI SILVERSIDE	0.17	11.	129	90 TO 120	10	91%	5 TO 10	11	100%
GOLDEN SHINER	0.02	2.	80	60 TO 90	2	100%	0 TO 5	2	100%
EMERALD SHINER	0.02	2.	81	60 TO 90	2	100%	0 TO 5	2	100%
STRIPED BASS	0.07	1.	163	150 TO 180	1	100%	30 TO 35	1	100%
EUROPEAN CARP	2.50	1.	484	480 TO 510	1	100%	1150 TO 1135	1	100%

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