

24 HOUR TOTAL = 12.8 LBS

[illegible]

x		0	70	5	16	59x
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2 0 70 5 13 012

2	35 TO	40	2	33x
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Σ	0	TD	5	20	100%
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2	0 TD	5	1	100X
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0 70 5 1 100x

0 10 5 0 32x

4	0	10	5	4	67%
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0 70 5 4 36x

0 70 5 1 33x

2	10 TJ	15	1	100x

2 55 TO 60 1 100%

	30 YU	35	1 100x
4			

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

SAMPLE TAKEN: 08-06-82

INCLUSIVE TIME

INLET WATERBOX

# SCREENS

NUMBER OF CIRCULATING

24 HOUR TOTAL

24 HOUR TOTAL #

OF SAMPLE: 24 HRS

TEMPERATURE: 87 F

WASHED: 8

PUMPS IN OPERATION: 4

SAMPLE COUNT: 80

SAMPLE WEIGHT: 8.4 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	0.48	8.	174	150 TO 180	6	75%	30 TO 35	4	50%
FRESHWATER DRUM	0.93	23.	250	60 TO 90	17	74%	0 TO 5	14	81%
CHANNEL CATFISH	0.47	6.	234	30 TO 60	2	33%	0 TO 5	2	33%
BLUE CATFISH	0.64	20.	230	60 TO 90	15	75%	0 TO 5	16	80%
STRIPED BASS	2.89	3.	422	240 TO 270	1	33%	120 TO 125	1	33%
WHITE BASS	2.27	3.	335	210 TO 240	4	50%	125 TO 130	2	25%
BLUEGILL SUNFISH	0.64	6.	161	120 TO 150	3	50%	0 TO 5	1	17%
WHITE CRAPPIE	0.02	4.	72	30 TO 60	2	50%	0 TO 5	4	100%
THREADFIN SHAD	0.01	1.	80	60 TO 90	1	100%	0 TO 5	1	100%
EUROPEAN CARP	0.01	1.	57	30 TO 60	1	100%	0 TO 5	1	100%

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

SAMPLE TAKEN 05-11-82

INCLUSIVE TIME  
OF SAMPLE: 24 HRS

INLET WATERBOX  
TEMPERATURE: 86 F

# SCREENS  
WASHED: 8

NUMBER OF CIRCULATING  
PUMPS IN OPERATION: 2

24 HOUR TOTAL  
SAMPLE COUNT: 47

24 HOUR TOTAL \*  
SAMPLE WEIGHT: 6.7 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL WEIGHT (GR)	#	%
GOZZARD SHAD	0.04	2.	165	60 TO 90	1	50%	0 TO 5	1	50%
FRESHWATER DRUM	0.60	21.	263	60 TO 90	7	33%	0 TO 5	12	57%
CHANNEL CATFISH	0.04	1.	135	120 TO 150	1	100%	15 TO 20	1	100%
BLUE CATFISH	0.71	7.	240	60 TO 90	3	43%	0 TO 5	3	43%
WHITE CRAPPIE	1.80	3.	375	210 TO 240	1	33%	80 TO 85	1	33%
WHITE BASS	1.97	8.	290	210 TO 240	3	38%	95 TO 100	2	25%
STRIPED BASS	0.72	1.	347	330 TO 360	1	100%	320 TO 325	1	100%
BLUEGILL SUNFISH	0.43	3.	175	120 TO 150	2	67%	40 TO 45	1	33%
FLATHEAD CATFISH	0.15	1.	197	180 TO 210	1	100%	65 TO 70	1	100%

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

ARKANSAS POWER & LIGHT COMPANY  
AND SCREEN MONITORING

RUN DATE: 09/16/82

SAMPLE TAKEN: 08-12-82

INCLUSIVE TIME  
OF SAMPLE: 124 HRS

INLET WATERBOX  
TEMPERATURE: 86 F

# SCREENS  
WASHED: 8

NUMBER OF CIRCULATING  
PUMPS IN OPERATION: 2

24 HOUR TOTAL  
SAMPLE COUNT: 35

24 HOUR TOTAL #  
SAMPLE WEIGHT: 1.9 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	0.15	2.	177	150 TO 180	2	100%	30 TO 35	1	90%
FRESHWATER DRUM	0.38	24.	166	60 TO 90	14	58%	0 TO 5	16	67%
CHANNEL CATFISH	0.08	2.	182	60 TO 90	1	50%	0 TO 5	1	50%
BLUE CATFISH	0.19	1.	212	210 TO 240	1	100%	85 TO 90	1	100%
WHITE BASS	0.75	3.	287	210 TO 240	2	67%	85 TO 90	1	33%
STRIPED BASS	0.25	1.	275	270 TO 300	1	100%	110 TO 115	1	100%
BLUEGILL SUNFISH	0.02	2.	77	60 TO 90	2	100%	0 TO 5	2	100%
WHITE CRAPPIE	0.02	2.	89	60 TO 90	2	100%	0 TO 5	1	50%
LONGEAK SUNFISH	0.06	1.	105	90 TO 120	1	100%	25 TO 30	1	100%

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

SAMPLE TAKEN: 08-18-82

INCLUSIVE TIME

INLET WATERBOX

# SCREENS

NUMBER OF CIRCULATING

24 HOUR TOTAL

24 HOUR TOTAL \*

OF SAMPLE: 24 HRS

TEMPERATURE: 83 F

WASHED: 8

PUMPS IN OPERATION: 4

SAMPLE COUNT: 218

SAMPLE HEIGHT: 7.9 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GR)	#	%
GOZZARD SHAD	0.20	38.	94	60 TO 90	16	62%	0 TO 5	24	92%
FRESHWATER DRUM	1.88	144.	255	60 TO 90	19	70%	0 TO 5	21	78%
CHANNEL CATFISH	0.71	5.	322	180 TO 210	2	40%	35 TO 40	2	40%
BLUE CATFISH	0.32	7.	210	90 TO 120	3	43%	0 TO 5	3	43%
WHITE BASS	1.69	6.	314	210 TO 240	2	33%	80 TO 85	1	17%
STRIPED BASS	2.12	4.	385	330 TO 360	2	50%	0 TO 5	1	25%
BLUEGILL SUNFISH	0.52	6.	176	150 TO 180	3	50%	40 TO 45	3	50%
WARMOUTH	0.20	1.	170	150 TO 180	1	100%	85 TO 90	1	100%
WHITE CRAPPIE	0.05	3.	105	30 TO 60	1	33%	0 TO 5	1	33%
LYNGEAR SUNFISH	0.16	2.	132	90 TO 120	1	50%	15 TO 20	1	50%
THREADFIN SHAD	0.02	2.	87	60 TO 90	2	100%	0 TO 5	1	50%

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

SAMPLE TAKEN: 08-20-82									
INLET WATERBOX									
TEMPERATURE: 85 F									
SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	# SCREENS WASHED: 6	NUMBER OF CIRCULATING PUMPS IN OPERATION: 4	24 HOUR TOTAL SAMPLE COUNT:	100	24 HOUR TOTAL SAMPLE WEIGHT:	6.3 LBS		
GIZZARD SHAD	0.20	5.	190	30 TO 60	2	40%	0 TO 5	2	40%
FRESHWATER DRUM	1.12	65.	331	60 TO 90	21	81%	0 TO 5	23	88%
WHITE BASS	1.01	6.	307	210 TO 240	2	33%	65 TO 70	1	17%
STRIPED BASS	0.01	1.	67	60 TO 90	1	100%	0 TO 5	1	100%
WHITE CRAPPIE	1.37	5.	327	60 TO 90	2	33%	0 TO 5	1	17%
BLUEGILL SUNFISH	0.47	5.	155	120 TO 150	3	60%	40 TO 45	2	40%
CHANNEL CATFISH	1.30	4.	445	60 TO 90	1	25%	0 TO 5	1	25%
BLUE CATFISH	0.11	3.	220	90 TO 120	2	67%	5 TO 10	2	67%
THREADFIN SHAD	0.01	2.	78	30 TO 60	1	50%	0 TO 5	2	100%

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

ARKANSAS POWER & LIGHT COMPANY  
AND SCREEN MONITORING

RUN DATE: 09/16/82

SAMPLE TAKEN: 08-25-82

INCLUSIVE TIME  
OF SAMPLE: 24 HRS

INLET WATERBOX  
TEMPERATURE: 86 F

\* SCREENS  
WASHED: 0

NUMBER OF CIRCULATING  
PUMPS IN OPERATION: 4

24 HOUR TOTAL  
SAMPLE COUNT: 36

24 HOUR TOTAL \*  
SAMPLE WEIGHT: 8.5 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL WEIGHT (GM)	#	%
GOZZARD SHAD	0.64	10.	182	150 TO 180	7	70%	30 TO 35	3	30%
FRESHWATER DRUM	0.61	5.	265	60 TO 90	2	40%	0 TO 5	2	40%
BLUE CATFISH	0.04	3.	98	90 TO 120	3	100%	5 TO 10	2	67%
CHANNEL CATFISH	0.18	3.	187	120 TO 150	1	33%	15 TO 20	2	67%
THREADFIN SHAD	0.01	1.	56	30 TO 60	1	100%	0 TO 5	1	100%
STRIPED BASS	4.63	5.	420	390 TO 420	2	40%	565 TO 570	2	40%
WHITE BASS	2.20	4.	395	240 TO 270	2	50%	90 TO 95	1	25%
WHITE CRAPPIE	0.02	2.	70	60 TO 90	2	100%	0 TO 5	2	100%
BLUEGILL SUNFISH	0.11	3.	165	30 TO 60	2	67%	0 TO 5	2	67%

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



SAMPLE TAKEN: 08-27-82

INCLUSIVE TIME

INLET WATERBOX

# SCREENS

NUMBER OF CIRCULATING

24 HOUR TOTAL

24 HOUR TOTAL \*

OF SAMPLE: 24 HRS

TEMPERATURE: 84 F

WASHED: 0

PUMPS IN OPERATION: 4

SAMPLE COUNT: 113

SAMPLE WEIGHT: 17.1 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GM)	#	%
GOZZARD SHAD	0.21	5.	164	90 TO 120	6	75%	5 TO 10	5	63%
THREADFIN SHAD	0.01	2.	62	60 TO 90	2	100%	0 TO 5	2	100%
FRESHWATER DRUM	1.75	65.	287	60 TO 90	19	73%	0 TO 5	20	77%
CHANNEL CATFISH	2.39	7.	466	60 TO 90	2	29%	0 TO 5	2	29%
BLUE CATFISH	0.17	5.	190	90 TO 120	4	80%	5 TO 10	4	80%
STRIPED BASS	6.91	10.	422	360 TO 390	5	50%	110 TO 115	1	10%
WHITE BASS	2.60	8.	340	210 TO 240	2	25%	55 TO 60	1	13%
LARGemouth BASS	0.67	3.	257	180 TO 210	1	33%	70 TO 75	1	33%
BLUEGILL SUNFISH	0.19	2.	147	120 TO 150	2	100%	35 TO 40	1	50%
WHITE CRAPPIE	0.04	3.	100	60 TO 90	2	67%	0 TO 5	2	67%

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



SAMPLE TAKEN: 08-31-82

INLET WATERBOX  
TEMPERATURE: 85 F

# SCREENS  
WASHED: 0

NUMBER OF CIRCULATING  
PUMPS IN OPERATION: 4

SAMPLE COUNT: 114

24 HOUR TOTAL \*  
SAMPLE WEIGHT: 7.7 LBS

SPECIES NAME  
SPECIES 24 HR  
TOTAL HEIGHT (LBS)

SPECIES 24 HR  
TOTAL COUNT

MAXIMUM  
LENGTH (MM)

MODAL  
LENGTH (MM)

%

MODAL  
WEIGHT (GR)

%

GTZARD SHAD

0.19

5.

162

90 TO 120

2

40%

10 TO 15

2

40%

THREDFIN SHAD

0.04

3.

74

60 TO 90

5

63%

0 TO 5

0

100%

FRESHWATER DRUM

0.50

44.

173

60 TO 90

21

61%

0 TO 5

24

92%

CHANNEL CATFISH

0.96

9.

269

60 TO 90

3

33%

0 TO 5

2

22%

BLUE CATFISH

0.56

34.

115

90 TO 120

24

92%

5 TO 10

22

85%

STRIPED BASS

2.57

5.

413

300 TO 330

2

40%

130 TO 135

1

20%

WHITE BASS

2.36

5.

364

210 TO 240

2

40%

5 TO 10

1

20%

WHITE CRAPPIE

0.02

2.

76

60 TO 90

2

100%

0 TO 5

2

100%

BLUEGILL SUNFISH

0.09

1.

130

120 TO 150

1

100%

35 TO 40

1

100%

LYNGER SUNFISH

0.07

1.

106

90 TO 120

1

100%

30 TO 35

1

100%

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

SAMPLE TAKE: 080342  
INCLUSIVE TIME: 080342  
OF SAMPLE: 124 LBS  
INLET WATERBOX: 124 LBS  
TEMPERATURE: 68 F  
# SCREENS: 8  
WASHED: 8  
NUMBER OF CIRCULATING PUMPS IN OPERATION: 4  
24 HOUR TOTAL SAMPLE COUNT: 355  
24 HOUR TOTAL SAMPLE WEIGHT: 12.8 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	#	MODAL WEIGHT(OZ)	#	#
FRESHWATER DRUM	0.31	180	275	60 TO 90	15	56%	0 TO 5	16	59%
GIZZARD SHAD	0.20	15	170	30 TO 60	7	44%	0 TO 5	13	61%
CHANNEL CATFISH	0.60	5	252	150 TO 180	2	33%	35 TO 40	2	33%
BLUE CATFISH	0.66	109	92	50 TO 90	25	96%	0 TO 5	26	100%
FLATHEAD CATFISH	0.01	1	47	30 TO 60	1	100%	0 TO 5	1	100%
TREAPIN SHAD	0.01	1	70	60 TO 90	1	100%	0 TO 5	1	100%
WHITE BASS	2.98	19	294	60 TO 90	7	37%	0 TO 5	6	32%
STRIPED BASS	1.53	5	402	60 TO 90	4	67%	0 TO 5	4	67%
BLUEGILL SUNFISH	0.64	11	161	30 TO 60	4	36%	0 TO 5	4	36%
WHITE CRAPPIE	1.22	3	312	60 TO 90	1	33%	0 TO 5	1	33%
LONGNOSE GAR	0.03	1	189	180 TO 210	1	100%	10 TO 15	1	100%
WARMOUTH	0.13	1	155	150 TO 180	1	100%	55 TO 60	1	100%
LONGEAR SUNFISH	0.08	1	114	90 TO 120	1	100%	30 TO 35	1	100%

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

SAMPLE TAKEN: 08-06-82

INCLUSIVE TIME

INLET WATERBOX

# SCREENS

NUMBER OF CIRCULATING

24 HOUR TOTAL

OF SAMPLE: 24 HRS

TEMPERATURE: 87 F

WASHED: 8

PUMPS IN OPERATION: 4

SAMPLE COUNT: 80

24 HOUR TOTAL #

SAMPLE WEIGHT: 8.4 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL WEIGHT (GR)	#	%
GOZZARD SHAD	0.48	8.	174	150 TO 180	6	75%	30 TO 35	4	50%
FRESHWATER DRUM	0.93	23.	250	60 TO 90	17	74%	0 TO 5	14	61%
CHANNEL CATFISH	0.47	6.	234	30 TO 60	2	33%	0 TO 5	2	33%
BLUE CATFISH	0.64	20.	230	60 TO 90	15	75%	0 TO 5	16	80%
STRIPED BASS	2.89	3.	422	240 TO 270	1	33%	120 TO 125	1	33%
WHITE BASS	2.27	3.	335	210 TO 240	4	50%	125 TO 130	2	25%
BLUEGILL SUNFISH	0.64	6.	161	120 TO 150	3	50%	0 TO 5	1	17%
WHITE CRAPPIE	0.02	4.	72	30 TO 60	2	50%	0 TO 5	4	100%
THREADFIN SHAD	0.01	1.	80	60 TO 90	1	100%	0 TO 5	1	100%
EUROPEAN CARP	0.01	1.	57	30 TO 60	1	100%	0 TO 5	1	100%

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

SAMPLE TAKEN 09-11-82

INLET WATERBOX  
OR SAMPLE 24 HRS TEMPERATURE 80 F

W SCREENS  
WASHED: 0

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

7

24 HOUR TOTAL \*  
SAMPLE HEIGHT:

6.7 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	MODAL WEIGHT (GM)	#	#	#
STAZARD SHAD	0.09	2.	165	60 TO 90	0 TO 5	1	50%	1 50%
FRESHWATER DRUM	0.00	21.	263	60 TO 90	0 TO 5	7	33%	5 12 57%
CHANNEL CATFISH	0.04	1.	135	120 TO 150	15 TO 20	1	100%	1 100%
BLUE CATFISH	0.71	7.	240	60 TO 90	0 TO 5	3	43%	3 43%
WHITE CRAPPIE	1.80	3.	375	210 TO 240	60 TO 85	1	33%	1 33%
WHITE BASS	1.97	8.	290	210 TO 240	95 TO 100	2	38%	2 25%
STRIPED BASS	0.72	1.	347	330 TO 360	320 TO 325	1	100%	1 100%
BLUEGILL SUNFISH	0.43	3.	175	120 TO 150	40 TO 45	2	67%	1 33%
FLATHEAD CATFISH	0.15	1.	197	180 TO 210	65 TO 70	1	100%	1 100%

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

ARKANSAS POWER & LIGHT COMPANY  
AND SCREEN MONITORING

RUN DATE: 09/16/82

SAMPLE TAKEN: 08-12-82

INCLUSIVE TIME

OR SAMPLE: 24 HRS

INLET WATERBOX

TEMPERATURE: 86 F

# SCREENS

WASHED: 0

NUMBER OF CIRCULATING PUMPS IN OPERATION: 2

24 HOUR TOTAL SAMPLE COUNT:

24 HOUR TOTAL \*

SAMPLE WEIGHT: 1.9 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

0.15

2.

177

150 TO 180

2

100%

30 TO 35

1

90%

FRESHWATER DRUM

0.38

24.

166

60 TO 90

14

58%

0 TO 5

16

67%

CHANNEL CATFISH

0.08

2.

182

60 TO 90

1

50%

0 TO 5

1

50%

BLUE CATFISH

0.19

1.

212

210 TO 240

1

100%

65 TO 90

1

100%

WHITE BASS

0.75

3.

287

210 TO 240

2

67%

85 TO 90

1

33%

STRIPED BASS

0.25

1.

275

270 TO 300

1

100%

110 TO 115

1

100%

BLUEGILL SUNFISH

0.02

2.

77

60 TO 90

2

100%

0 TO 5

2

100%

WHITE CRAPPIE

0.02

2.

89

60 TO 90

2

100%

0 TO 5

1

50%

LONGEAM SUNFISH

0.06

1.

105

90 TO 120

1

100%

25 TO 30

1

100%

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

SAMPLE TAKEN: 08-19-92

INCLUSIVE TIME  
OF SAMPLE: 124 HRS

INLET WATERBOX  
TEMPERATURE: 83 F

# SCREENS  
WASHED: 6

NUMBER OF CIRCULATING  
PUMPS IN OPERATION: 4

24 HOUR TOTAL  
SAMPLE COUNT: 218

24 HOUR TOTAL #  
SAMPLE WEIGHT: 7.9 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	0.20	38.	94	60 TO 90	16	62%	0 TO 5	24	92%
FRESHWATER DRUM	1.68	144.	255	60 TO 90	19	70%	0 TO 5	21	78%
CHANNEL CATFISH	0.71	5.	322	180 TO 210	2	40%	35 TO 40	2	40%
BLUE CATFISH	0.32	7.	210	90 TO 120	3	43%	0 TO 5	3	43%
WHITE BASS	1.69	6.	314	210 TO 240	2	33%	80 TO 85	1	17%
STRIPED BASS	2.12	4.	385	330 TO 360	2	50%	0 TO 5	1	25%
BUEGILL SUNFISH	0.52	6.	176	150 TO 180	3	50%	40 TO 45	3	50%
WARMOUTH	0.20	1.	170	150 TO 180	1	100%	85 TO 90	1	100%
WHITE CHAPPIE	0.05	3.	105	30 TO 60	1	33%	0 TO 5	1	33%
LYNGEAN SUNFISH	0.16	2.	132	90 TO 120	1	50%	15 TO 20	1	50%
THREADFIN SHAD	0.02	2.	87	60 TO 90	2	100%	0 TO 5	1	50%

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

SAMPLE TAKEN: 08-20-82

INCLUSIVE TIME: 12:00  
OF SAMPLE: 12:00 HRS

SPECIES NAME		SPECIES 24 HR TOTAL WEIGHT (LBS)	# SCREENS WASHED: B	NUMBER OF CIRCULATING PUMPS IN OPERATION: W		24 HOUR TOTAL SAMPLE COUNT:	100	24 HOUR TOTAL * SAMPLE WEIGHT:	6.3 LBS
GIZZARD SHAD	0.26	5.	190	30 TD	60	2	40%	0 TD	5 2 40%
FRESHWATER DRUM	1.12	63.	331	60 TD	90	21	61%	0 TD	5 23 68%
WHITE BASS	1.01	6.	307	210 TD	240	2	33%	65 TD	70 1 17%
STRIPED BASS	0.01	1.	67	60 TD	90	1	100%	0 TD	5 1 100%
WHITE CRAPPIE	1.37	6.	327	60 TD	90	2	33%	0 TD	5 1 17%
BLUEGILL SUNFISH	0.47	3.	155	120 TD	150	3	60%	40 TD	45 2 40%
CHANNEL CATFISH	1.36	4.	445	60 TD	90	1	25%	0 TD	5 1 25%
BLUE CATFISH	0.11	3.	220	90 TD	120	2	67%	5 TD	10 2 67%
THREADFIN SHAD	0.01	2.	78	30 TD	60	1	50%	0 TD	5 2 100%

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



SAMPLE TAKEN: 08-25-82

INCLUSIVE TIME: 12:00 PM  
OR SAMPLE: 12:00 PM

# SCREENS: 8  
WASHED: 8

NUMBER OF CIRCULATING PUMPS IN OPERATION: 4

24 HOUR TOTAL SAMPLE WEIGHT: 8.5 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL WEIGHT (GR)	#	%
GRAYLAND SHAD	0.09	10.	182	150 TO 180	7	70%	30 TO 35	3	30%
FRESHWATER DRUM	0.01	5.	285	60 TO 90	2	40%	0 TO 5	2	40%
BLUE CATFISH	0.04	3.	98	90 TO 120	3	100%	5 TO 10	2	67%
CHANNEL CATFISH	0.16	3.	187	120 TO 150	1	33%	15 TO 20	2	67%
TREAPFIN SHAD	0.01	1.	55	30 TO 60	1	100%	0 TO 5	1	100%
STRIPED BASS	4.03	5.	420	390 TO 420	2	40%	505 TO 570	2	40%
WHITE BASS	2.20	4.	395	240 TO 270	2	50%	90 TO 95	1	25%
WHITE CRAPPIE	0.02	2.	70	60 TO 90	2	100%	0 TO 5	2	100%
BLUEGILL SUNFISH	0.11	3.	165	30 TO 60	2	67%	0 TO 5	2	67%

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

ARKANSAS POWER & LIGHT COMPANY  
AND SCREEN MONITORING

RUN DATE: 09/16/82

SAMPLE TAKEN: 08-27-82

INCLUSIVE TIME INLET WATERBOX  
OF SAMPLE: 24 HRS TEMPERATURE: 84 F

# SCREENS NUMBER OF CIRCULATING 24 HOUR TOTAL  
WASSED: 0 PUMPS IN OPERATION: 4 SAMPLE COUNT: 113

24 HOUR TOTAL \*  
SAMPLE WEIGHT: 17.1 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	#	MODAL WEIGHT (GM)	#	#
GOZZARD SHAD	0.21	5.	164	90 TO 120	6	75%	5 TO 10	5	63%
THREESPIN SHAD	0.01	2.	62	60 TO 90	2	100%	0 TO 5	2	100%
FRESHWATER DRUM	1.75	65.	267	60 TO 90	19	73%	0 TO 5	20	77%
CANAL CATFISH	2.39	7.	466	60 TO 90	2	29%	0 TO 5	2	29%
BLUE CATFISH	0.17	5.	190	90 TO 120	4	80%	5 TO 10	4	80%
STRIPED BASS	5.91	10.	422	360 TO 390	5	50%	110 TO 115	1	10%
WHITE BASS	2.80	8.	340	210 TO 240	2	25%	55 TO 60	1	13%
LARGemouth BASS	0.57	3.	257	180 TO 210	1	33%	70 TO 75	1	33%
BLUEGILL SUNFISH	0.19	2.	147	120 TO 150	2	100%	35 TO 40	1	50%
WHITE CRAPPIE	0.04	3.	100	60 TO 90	2	67%	0 TO 5	2	67%

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

ARKANSAS POWER & LIGHT COMPANY  
AND SCREEN MONITORING

RUN DATE: 09/16/82

SAMPLE TAKEN: 08-31-82

INLET WATERBOX  
TEMPERATURE: 24 HRS

# SCREENS  
WASHED: 0

NUMBER OF CIRCULATING  
PUMPS IN OPERATION: 4

24 HOUR TOTAL  
SAMPLE COUNT: 114

24 HOUR TOTAL \*  
SAMPLE WEIGHT: 7.7 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	0.19	5.	162	90 TO 120	2	10 TO 15	2
THREADFIN SHAD	0.04	8.	74	60 TO 90	5	0 TO 5	8
FRESHWATER DRUM	0.50	44.	173	60 TO 90	21	0 TO 5	24
CHANNEL CATFISH	0.96	9.	269	60 TO 90	3	0 TO 5	2
BLUE CATFISH	0.56	34.	115	90 TO 120	24	5 TO 10	22
STRIPED BASS	2.67	5.	413	300 TO 330	2	130 TO 135	1
WHITE BASS	2.36	5.	364	210 TO 240	2	5 TO 10	1
WHITE CRAPPIE	0.02	2.	76	60 TO 90	2	0 TO 5	2
BLUEGILL SUNFISH	0.09	1.	130	120 TO 150	1	35 TO 40	1
LONGEAR SUNFISH	0.07	1.	106	90 TO 120	1	30 TO 35	1

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

SAMPLE TAKEN 08-03-82  
INLET WATERBOX  
INCLUSIVE TIME  
ON SAMPLE 124 HRS  
TEMPERATURE 86 F  
# SCREENS  
WASHED 8  
NUMBER OF CIRCULATING  
PUMPS IN OPERATION: 4  
24 HOUR TOTAL  
SAMPLE COUNT: 355  
24 HOUR TOTAL \*  
SAMPLE WEIGHT: 12.8 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(HR)	MODAL LENGTH(MM)	#	MODAL WEIGHT(LBS)	#
FRESHWATER DRUM	4.31	180.	275	60 TO 90	15	56X	0 TO 5 16 59X
GIZZARD SHAD	0.20	19.	170	30 TO 60	7	44X	0 TO 5 13 61X
CHANNEL CATFISH	0.60	6.	252	150 TO 180	2	33X	35 TO 40 2 33X
BLUE CATFISH	0.66	109.	92	60 TO 90	25	96X	0 TO 5 26 100X
FLATHEAD CATFISH	0.01	1.	47	30 TO 60	1	100X	0 TO 5 1 100X
TREADFIN SHAD	0.01	1.	70	60 TO 90	1	100X	0 TO 5 1 100X
WHITE BASS	2.96	19.	294	60 TO 90	7	37X	0 TO 5 6 32X
STRIPED BASS	1.53	6.	402	60 TO 90	4	67X	0 TO 5 4 67X
BLUEGILL SUNFISH	0.64	11.	161	30 TO 60	4	36X	0 TO 5 4 36X
WHITE CRAPPIE	1.22	3.	312	60 TO 90	1	33X	0 TO 5 1 33X
LONGNOSE GAR	0.03	1.	188	180 TO 210	1	100X	10 TO 15 1 100X
WARMOUTH	0.13	1.	155	150 TO 180	1	100X	55 TO 60 1 100X
LONGEAR SUNFISH	0.08	1.	114	90 TO 120	1	100X	30 TO 35 1 100X

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

SAMPLE TAKEN: 08-06-82

INCLUSIVE TIME

INLET WATERBOX

# SCREENS

NUMBER OF CIRCULATING

24 HOUR TOTAL

24 HOUR TOTAL \*

OF SAMPLE: 24 HRS

TEMPERATURE: 87 F

WASHED: 8

PUMPS IN OPERATION: 4

SAMPLE COUNT:

80

SAMPLE WEIGHT:

8.4 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GR)	#	%
GOZZARD SHAD	0.48	8.	174	150 TO 180	6	75%	30 TO 35	4	50%
FRESHWATER DRUM	0.93	23.	250	60 TO 90	17	74%	0 TO 5	14	61%
CHANNEL CATFISH	0.47	6.	234	30 TO 60	2	33%	0 TO 5	2	33%
BLUE CATFISH	0.64	20.	230	60 TO 90	15	75%	0 TO 5	16	80%
STRIPED BASS	2.69	3.	422	240 TO 270	1	33%	120 TO 125	1	33%
WHITE BASS	2.27	9.	335	210 TO 240	4	50%	125 TO 130	2	25%
BLUEGILL SUNFISH	0.64	6.	161	120 TO 150	3	50%	0 TO 5	1	17%
WHITE CRAPPIE	0.02	4.	72	30 TO 60	2	50%	0 TO 5	4	100%
THREADFIN SHAD	0.01	1.	80	60 TO 90	1	100%	0 TO 5	1	100%
EUROPEAN CARP	0.01	1.	57	30 TO 60	1	100%	0 TO 5	1	100%

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

SAMPLE TAKEN: 09-11-82

INCLUSIVE TIME: 12:00 PM  
OR SAMPLE: 12:00 PM  
INLET WALKBOX TEMPERATURE: 86 F  
W SCREENS: 8  
NUMBER OF CIRCULATING PUMPS IN OPERATION: 2  
24 HOUR TOTAL SAMPLE COUNT: 47  
24 HOUR TOTAL \* SAMPLE WEIGHT: 6.7 LBS

SPECIES NAME	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	MODAL LENGTH (MM) #	%	MODAL WEIGHT (GM) #	%
STRIPED BASS	2.	165	60 TO 90	1	50%	0 TO 5	1 50%
FRESHWATER CRAY	21.	263	60 TO 90	7	33%	0 TO 5	12 57%
CHANNEL CATFISH	1.	135	120 TO 150	1	100%	15 TO 20	1 100%
BLUE CATFISH	7.	240	60 TO 90	3	43%	0 TO 5	3 43%
WHITE CRAPPIE	3.	375	210 TO 240	1	33%	60 TO 65	1 33%
WHITE BASS	8.	290	210 TO 240	3	38%	95 TO 100	2 25%
STRIPED BASS	1.	347	330 TO 360	1	100%	320 TO 325	1 100%
BLUEGILL SUNFISH	3.	175	120 TO 150	2	67%	40 TO 45	1 33%
FLATHEAD CATFISH	1.	197	180 TO 210	1	100%	65 TO 70	1 100%

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

ARKANSAS POWER & LIGHT COMPANY  
AND SCREEN MONITORING

RUN DATE: 09/16/82

SAMPLE TAKEN: 08-12-82

INLET WATERBOX  
OR SAMPLE: 24 HRS  
TEMPERATURE: 86 F

# SCREENS  
WASHED: 0

NUMBER OF CIRCULATING  
PUMPS IN OPERATION: 2

30

24 HOUR TOTAL  
SAMPLE WEIGHT:

1.9 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	0.15	2.	177	150 TO 180	2	100%	30 TO 35	1	50%
FRESHWATER DRUM	0.38	24.	186	60 TO 90	14	58%	0 TO 5	16	67%
CHANNEL CATFISH	0.08	2.	182	60 TO 90	1	50%	0 TO 5	1	50%
BLUE CATFISH	0.19	1.	212	210 TO 240	1	100%	85 TO 90	1	100%
WHITE BASS	0.75	3.	287	210 TO 240	2	67%	85 TO 90	1	33%
STRIPED BASS	0.25	1.	275	270 TO 300	1	100%	110 TO 115	1	100%
BLUEGILL SUNFISH	0.02	2.	77	60 TO 90	2	100%	0 TO 5	2	100%
WHITE CRAPPIE	0.02	2.	89	60 TO 90	2	100%	0 TO 5	1	50%
LONGEAM SUNFISH	0.06	1.	105	90 TO 120	1	100%	25 TO 30	1	100%

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



SAMPLE TAKEN: 08-19-82

INCLUSIVE TIME INLET WATERBOX

OF SAMPLE: 24 HRS TEMPERATURE: 83 F

# SCREENS

WASHED: 6

NUMBER OF CIRCULATING

PUMPS IN OPERATION: 4

24 HOUR TOTAL

SAMPLE COUNT: 218

24 HOUR TOTAL #

SAMPLE WEIGHT: 7.9 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL WEIGHT (GM)	#	%
GOZZARD SHAD	0.20	38.	94	60 TO 90	16	62%	0 TO 5	24	92%
FRESHWATER DRUM	1.88	144.	255	60 TO 90	19	70%	0 TO 5	21	78%
CHANNEL CATFISH	0.71	5.	322	180 TO 210	2	40%	35 TO 40	2	40%
BLUE CATFISH	0.32	7.	210	90 TO 120	3	43%	0 TO 5	3	43%
WHITE BASS	1.69	8.	314	210 TO 240	2	33%	80 TO 85	1	17%
STRIPED BASS	2.12	4.	385	330 TO 360	2	50%	0 TO 5	1	25%
BLUEGILL SUNFISH	0.52	6.	176	150 TO 180	3	50%	40 TO 45	3	50%
WARMOUTH	0.20	1.	170	150 TO 180	1	100%	85 TO 90	1	100%
WHITE CHAPPIE	0.05	3.	105	30 TO 60	1	33%	0 TO 5	1	33%
LONGEAR SUNFISH	0.16	2.	132	90 TO 120	1	50%	15 TO 20	1	50%
THEADFIN SHAD	0.02	2.	87	60 TO 90	2	100%	0 TO 5	1	50%

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

SAMPLE TAKEN: 08-20-82

INCLUSIVE TIME

INLET WATERBOX

# SCREENS

NUMBER OF CIRCULATING

24 HOUR TOTAL

24 HOUR TOTAL \*

OF SAMPLE: 24 HRS

TEMPERATURE: 63 F

WASHED: 8

PUMPS IN OPERATION: 4

SAMPLE COUNT: 100

SAMPLE WEIGHT: 6.3 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	0.26	5.	190	30 TO 60	2	40%	0 TO 5	2	40%
FRESHWATER DRUM	1.12	63.	332	60 TO 90	21	81%	0 TO 5	23	88%
WHITE BASS	1.61	6.	307	210 TO 240	2	33%	65 TO 70	1	17%
STRIPED BASS	0.01	1.	67	60 TO 90	1	100%	0 TO 5	1	100%
WHITE CRAPPIE	1.37	6.	327	60 TO 90	2	33%	0 TO 5	1	17%
BLUEGILL SUNFISH	0.47	5.	155	120 TO 150	3	60%	40 TO 45	2	40%
CHANNEL CATFISH	1.36	4.	445	60 TO 90	1	25%	0 TO 5	1	25%
BLUE CATFISH	0.11	3.	220	90 TO 120	2	67%	5 TO 10	2	67%
THREADFIN SHAD	0.01	2.	78	30 TO 60	1	50%	0 TO 5	2	100%

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

SAMPLE TAKEN: 08-25-82  
INCLUSIVE TIME: INLET WATERBOX  
OF SAMPLE: 24 HRS TEMPERATURE: 85 °  
# SCREENS WASHED: 8  
NUMBER OF CIRCULATING PUMPS IN OPERATION: 4  
24 HOUR TOTAL SAMPLE COUNT: 36  
24 HOUR TOTAL # SAMPLE WEIGHT: 8.5 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL WEIGHT (GR)	#	%
GOZZARD SHAD	0.69	10.	182	150 TO 180	7	70%	30 TO 35	3	30%
FRESHWATER DRUM	0.61	5.	285	60 TO 90	2	40%	0 TO 5	2	40%
BLUE CATFISH	0.04	3.	98	90 TO 120	3	100%	5 TO 10	2	67%
CHANNEL CATFISH	0.18	3.	187	120 TO 150	1	33%	15 TO 20	2	67%
THREADFIN SHAD	0.01	1.	55	30 TO 60	1	100%	0 TO 5	1	100%
STRIPED BASS	4.63	5.	420	390 TO 420	2	40%	565 TO 570	2	40%
WHITE BASS	2.20	4.	395	240 TO 270	2	50%	90 TO 95	1	25%
WHITE CRAPPIE	0.02	2.	70	60 TO 90	2	100%	0 TO 5	2	100%
BLUEGILL SUNFISH	0.11	3.	165	30 TO 60	2	67%	0 TO 5	2	67%

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

ARKANSAS POWER & LIGHT COMPANY  
AND SCREEN MONITORING

RUN DATE: 09/16/82

SAMPLE TAKEN: 08-27-82

INCLUSIVE TIME  
OF SAMPLE: 24 HRS

INLET WATERBOX  
TEMPERATURE: 84 F

# SCREENS  
WASHED: 8

NUMBER OF CIRCULATING  
PUMPS IN OPERATION: 4

24 HOUR TOTAL  
SAMPLE COUNT: 113

24 HOUR TOTAL #  
SAMPLE HEIGHT: 17.1 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL HEIGHT (CM)	#	%
GYZARD SHAD	0.21	8.	154	90 TO 120	6	75%	5 TO 10	5	63%
THREADFIN SHAD	0.01	2.	62	60 TO 90	2	100%	0 TO 5	2	100%
FRESHWATER DRUM	1.75	65.	267	60 TO 90	19	73%	0 TO 5	20	77%
CHANNEL CATFISH	2.39	7.	466	60 TO 90	2	29%	0 TO 5	2	29%
BLUE CATFISH	0.17	5.	190	90 TO 120	4	80%	5 TO 10	4	80%
STRIPED BASS	6.91	10.	422	360 TO 390	5	50%	110 TO 115	1	10%
WHITE BASS	2.60	8.	340	210 TO 240	2	25%	55 TO 60	1	13%
LARGEMOUTH BASS	0.67	3.	257	180 TO 210	1	33%	70 TO 75	1	33%
BLUEGILL SUNFISH	0.19	2.	147	120 TO 150	2	100%	35 TO 40	1	50%
WHITE CRAPPIE	0.04	3.	100	60 TO 90	2	67%	0 TO 5	2	67%

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

SAMPLE TAKEN: 08-31-82  
INCLUSIVE TIME INLET WATERBOX # SCREENS NUMBER OF CIRCULATING 24 HOUR TOTAL 24 HOUR TOTAL \*  
OF SAMPLE: 124 HRS TEMPERATURE: 83 F WASHED: 8 PUMPS IN OPERATION: 4 SAMPLE COUNT: 114 SAMPLE HEIGHT: 7.7 LBS

SPECIES NAME	SPECIES 24 HR TOTAL HEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL HEIGHT (GR)	#	%
WYZZARD SHAD	0.19	5.	162	90 TO 120	2	40%	10 TO 15	2	40%
THREADFIN SHAD	0.04	3.	74	60 TO 90	5	63%	0 TO 5	8	100%
FRESHWATER DRUM	0.50	44.	173	60 TO 90	21	81%	0 TO 5	24	92%
CHANNEL CATFISH	0.96	9.	259	60 TO 90	3	33%	0 TO 5	2	22%
BLUE CATFISH	0.56	34.	115	90 TO 120	24	92%	5 TO 10	22	85%
STRIPED BASS	2.87	5.	413	300 TO 330	2	40%	130 TO 135	1	20%
WHITE BASS	2.38	5.	364	210 TO 240	2	40%	5 TO 10	1	20%
WHITE CRAPPIE	0.02	2.	76	60 TO 90	2	100%	0 TO 5	2	100%
BLUEGILL SUNFISH	0.09	1.	130	120 TO 150	1	100%	35 TO 40	1	100%
LONGEAR SUNFISH	0.07	1.	106	90 TO 120	1	100%	30 TO 35	1	100%

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