

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 10/17/79

SAMPLE TAKEN: 09-05-79

INCLUSIVE TIME: 09-05-79 INLET WATERBOX # SCREENS: 8 NUMBER OF CIRCULATING PUMPS IN OPERATION: 4 24 HOUR TOTAL SAMPLE COUNT: 37 24 HOUR TOTAL SAMPLE WEIGHT: 3.8 LBS
OF SAMPLE: 24 HRS TEMPERATURE: 83 F WASHED: 8

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL WEIGHT (GR)	#	%
GIZZARD SHAD	0.36	18.	190	60 TO 90	10	56%	0 TO 5	11	61%
FRESHWATER DRUM	0.56	4.	320	60 TO 90	1	25%	0 TO 5	1	25%
WHITE BASS	0.65	3.	220	210 TO 240	2	67%	35 TO 40	1	33%
WHITE CRAPPIE	1.65	7.	360	150 TO 180	3	43%	0 TO 5	2	29%
CHANNEL CATFISH	0.36	3.	235	150 TO 180	1	33%	25 TO 30	1	33%
BLUE CATFISH	0.14	1.	214	210 TO 240	1	100%	60 TO 65	1	100%
BLUEGILL SUNFISH	0.01	1.	65	60 TO 90	1	100%	0 TO 5	1	100%

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

POOR ORIGINAL

1262 154

2911020

305

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 10/17/79

SAMPLE TAKEN: 09-07-79

INCLUSIVE TIME: 1.06

OF SAMPLE: 24 HRS

INLET WATERBOX

NUMBER OF CIRCULATING 24 HOUR TOTAL

24 HOUR TOTAL

5.9 LBS

WASHER: 8

66

SAMPLE WEIGHT:

SPECIES NAME

SPECIES 24 HR
TOTAL WEIGHT (LBS)

SPECIES 24 HR
TOTAL COUNT

MAXIMUM
LENGTH (MM)

MODAL
LENGTH (MM)

%

MODAL
WEIGHT (GR)

%

GIZZARD SHAD

1.06

31.

190

60 TO 90

50%

0 TO 5

38%

FRESHWATER DRUM

0.04

2.

127

60 TO 90

50%

0 TO 5

50%

WHITE BASS

0.07

2.

126

90 TO 120

50%

10 TO 15

50%

CHANNEL CATFISH

1.02

11.

285

120 TO 150

27%

15 TO 20

45%

BLUE CATFISH

0.17

1.

226

210 TO 240

100%

75 TO 80

100%

BLUEGILL SUNFISH

0.44

4.

173

150 TO 180

50%

0 TO 5

25%

WHITE CRAPPIE

0.94

8.

296

60 TO 90

63%

0 TO 5

50%

STRIPED BASS

0.20

1.

212

210 TO 240

100%

90 TO 95

100%

EUROPEAN CARP

1.88

1.

412

390 TO 420

100%

850 TO 855

100%

MISSISSIPPI SILVERSIDE

0.02

4.

77

60 TO 90

100%

0 TO 5

100%

GOLDEN SHINER

0.01

1.

67

60 TO 90

100%

0 TO 5

100%

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

POOR ORIGINAL

1262 155

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 10/17/79

SAMPLE TAKEN: 09-12-79
INLET WATERBOX INCLUSIVE TIME
OF SAMPLE: 24 HRS TEMPERATURE: 81 F
NUMBER OF CIRCULATING PUMPS IN OPERATION: 4
SAMPLE COUNT: 71
24 HOUR TOTAL
SAMPLE WEIGHT: 3.4 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	1.31	30.	220	90 TO 120	11 42%	5 TO 10	10 38%
CHANNEL CATFISH	0.93	14.	230	150 TO 180	4 29%	0 TO 5	3 21%
BLUE CATFISH	0.35	3.	235	90 TO 120	1 33%	5 TO 10	1 33%
BLUEGILL SUNFISH	0.17	2.	137	120 TO 150	2 100%	35 TO 40	2 100%
WHITE CRAPPIE	0.15	9.	162	60 TO 90	7 78%	0 TO 5	8 89%
MISSISSIPPI SILVERSIDE	0.07	9.	97	60 TO 90	6 67%	0 TO 5	9 100%
STRIPED BASS	0.37 ₁	2.	220	180 TO 210	1 50%	70 TO 75	1 50%
WHITE BASS	0.04	1.	127	120 TO 150	1 100%	15 TO 20	1 100%
GOLDEN SHINER	0.01	1.	80	60 TO 90	1 100%	0 TO 5	1 100%

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

POOR ORIGINAL

262 156

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 10/17/79

SAMPLE TAKEN: 09-14-79

INLET WATERBOX INCLUSIVE TIME 24 HOUR TOTAL * 24 HOUR TOTAL *
OF SAMPLE: 24 HRS TEMPERATURE: 79 F WASHED: 8 PUMPS IN OPERATION: 4 SAMPLE COUNT: 526 SAMPLE WEIGHT: 11.1 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	3.00	HR.	294	90 TO 120	14	54%	5 TO 10	9	35%
FRESHWATER DRUM	5.13	33R.	264	60 TO 90	22	76%	0 TO 5	19	66%
CHANNEL CATFISH	0.45	11.	176	120 TO 150	4	36%	15 TO 20	4	36%
BLUE CATFISH	1.55	9.	333	60 TO 90	2	22%	0 TO 5	3	33%
WHITE BASS	0.28	2.	196	120 TO 150	1	50%	15 TO 20	1	50%
WHITE CRAPPIE	0.56	56.	150	60 TO 90	20	77%	0 TO 5	23	88%
BLUEGILL SUNFISH	0.02	5.	58	30 TO 60	5	100%	0 TO 5	5	100%
MISSISSIPPI SILVERSIDE	0.10	14.	94	60 TO 90	12	86%	0 TO 5	14	100%
GOLDEN SHINER	0.04	1.	127	120 TO 150	1	100%	15 TO 20	1	100%
THREADFIN SHAD	0.01	2.	68	60 TO 90	2	100%	0 TO 5	2	100%

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

POOR ORIGINAL

1262 157

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 10/17/79

SAMPLE TAKEN: 09-19-79

INLET WATERHOX INCLUSIVE TIME 24 HOUR TOTAL 24 HOUR TOTAL
OF SAMPLE: 24 HRS TEMPERATURE: 75 F WASHED: 8 PUMPS IN OPERATION: 4 SAMPLE COUNT: 490 SAMPLE WEIGHT: 22.4 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	7.31	201.	337	90 TO 120	16	5 TO 10	9 33%
FRESHWATER DRUM	2.06	54.	276	60 TO 90	14	0 TO 5	17 65%
WHITE BASS	2.22	5.	375	60 TO 90	1	5 TO 10	1 20%
CHANNEL CATFISH	0.88	15.	215	150 TO 180	6	5 TO 10	4 27%
BLUE CATFISH	2.69	130.	260	90 TO 120	14	0 TO 5	14 52%
FLATHEAD CATFISH	0.20	2.	202	90 TO 120	1	10 TO 15	1 50%
WHITE CRAPPIE	2.75	47.	277	60 TO 90	16	0 TO 5	16 62%
BLUEGILL SUNFISH	0.99	14.	170	30 TO 60	4	0 TO 5	4 29%
EUROPEAN CARP	2.38	1.	470	450 TO 480	1	1075 TO 1080	1 100%
STRIPED BASS	0.75	4.	224	180 TO 210	3	60 TO 65	1 25%
MISSISSIPPI SILVERSIDE	0.09	11.	97	60 TO 90	7	0 TO 5	11 100%
THREADFIN SHAD	0.02	4.	75	60 TO 90	4	0 TO 5	4 100%
LONGEAR SUNFISH	0.07	1.	110	90 TO 120	1	25 TO 30	1 100%

CONTINUED ON NEXT PAGE:

POOR ORIGINAL

1262 158

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 10/17/79

SAMPLE TAKEN: 09-19-79 CONTINUED:

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GR)	#	%
ORANGESPOTTED SUNFISH	0.01	1.	50	30 TO 60	1	100%	0 TO 5	1	100%

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

POOR ORIGINAL

1262 159

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 10/17/79

SAMPLE TAKEN: 09-21-79

INCLUSIVE TIME INLET WATERBOX # SCREENS NUMBER OF CIRCULATING 24 HOUR TOTAL 24 HOUR TOTAL *
OF SAMPLE: 24 HRS TEMPERATURE: 75 F WASHED: 8 PUMPS IN OPERATION: 4 SAMPLE COUNT: 229 SAMPLE WEIGHT: 9.3 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	2.88	93.	190	90 TO 120	9	35%	0 TO 5	9	35%
FRESHWATER DRUM	1.25	34.	245	60 TO 90	17	65%	0 TO 5	17	65%
CHANNEL CATFISH	0.93	16.	275	150 TO 180	6	38%	0 TO 5	4	25%
BLUE CATFISH	1.44	43.	268	60 TO 90	13	50%	0 TO 5	12	46%
WHITE BASS	1.58	5.	306	90 TO 120	2	40%	15 TO 20	1	20%
WHITE CRAPPIE	0.86	15.	213	60 TO 90	8	53%	0 TO 5	5	33%
BLUEGILL SUNFISH	0.22	5.	154	30 TO 60	2	40%	0 TO 5	3	60%
MISSISSIPPI SILVERSIDE	0.11	15.	94	60 TO 90	11	73%	0 TO 5	15	100%
THREADFIN SHAD	0.01	3.	75	60 TO 90	2	67%	0 TO 5	3	100%

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

POOR ORIGINAL

1262 160

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 10/17/79

SAMPLE TAKEN: 09-25-79
INLET WATERBOX
OF SAMPLE: 24 HRS TEMPERATURE: 74 F
NUMBER OF CIRCULATING PUMPS IN OPERATION: 4
24 HOUR TOTAL
SAMPLE COUNT: 154
24 HOUR TOTAL
SAMPLE WEIGHT: 7.6 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	3.06	79.	193	90 TO 120	11	42%	10 TO 15	9	35%
FRESHWATER DRUM	0.81	10.	253	60 TO 90	4	40%	0 TO 5	3	30%
CHANNEL CATFISH	0.79	8.	295	60 TO 90	2	25%	0 TO 5	2	25%
BLUE CATFISH	0.89	20.	250	90 TO 120	11	55%	0 TO 5	8	40%
WHITE BASS	0.40	6.	247	90 TO 120	3	50%	10 TO 15	3	50%
STRIPED BASS	0.66	3.	225	210 TO 240	3	100%	100 TO 105	2	67%
WHITE CRAPPIE	0.93	19.	235	60 TO 90	8	42%	0 TO 5	8	42%
MISSISSIPPI SILVERSIDE	0.05	7.	95	60 TO 90	6	86%	0 TO 5	7	100%
THREADFIN SHAD	0.01	2.	66	60 TO 90	2	100%	0 TO 5	2	100%

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

POOR ORIGINAL

1262 161

ARKANSAS POWER & LIGHT COMPANY
AND SCHEEN MONITORING

RUN DATE: 10/17/79

SAMPLE TAKEN: 09-28-79

INCLUSIVE TIME INLET WATERBOX # SCREENS NUMBER OF CIRCULATING 24 HOUR TOTAL 24 HOUR TOTAL *
OF SAMPLE: 24 HRS TEMPERATURE: 75 F WASHED: 8 PUMPS IN OPERATION: 4 SAMPLE COUNT: 173 SAMPLE WEIGHT: 12.9 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	3.44	94.	179	90 TO 120	15	58%	5 TO 10	10	37%
FRESHWATER DRUM	1.81	13.	314	150 TO 180	6	46%	35 TO 40	2	15%
CHANNEL CATFISH	1.49	18.	262	150 TO 180	7	39%	25 TO 30	4	22%
BLUE CATFISH	1.70	16.	310	90 TO 120	8	50%	5 TO 10	7	44%
WHITE BASS	2.42	6.	371	210 TO 240	2	33%	10 TO 15	1	17%
WHITE CRAPPIE	1.23	11.	307	90 TO 120	5	45%	0 TO 5	3	27%
BLUEGILL SUNFISH	0.17	3.	132	120 TO 150	2	67%	35 TO 40	2	67%
STRIPED BASS	0.59	3.	236	180 TO 210	2	67%	55 TO 60	1	33%
MISSISSIPPI SILVERSIDE	0.06	9.	102	60 TO 90	5	56%	0 TO 5	9	100%

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

POOR ORIGINAL

1262 162