

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 11/19/79

SAMPLE TAKEN: 10-02-79

INCLUSIVE TIME
OF SAMPLE: 24 HRS

INLET WATERBOX
TEMPERATURE: 75 F

SCREENS
WASHED: 8

NUMBER OF CIRCULATING
PUMPS IN OPERATION: 4

24 HOUR TOTAL
SAMPLE COUNT: 88

24 HOUR TOTAL *
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	2.50	4.	200	90 TO 120	9	35%	5 TO 10	9	35%
FRESHWATER DRUM	15.13	10.	325	120 TO 150	4	40%	0 TO 5	3	30%
WHITE BASS	5.62	10.	370	90 TO 120	3	30%	10 TO 15	3	30%
CHANNEL CATFISH	1.22	14.	285	90 TO 120	4	29%	5 TO 10	3	21%
BLUE CATFISH	1.28	4.	397	90 TO 120	2	50%	0 TO 5	2	50%
THREADFIN SHAD	0.01	1.	63	60 TO 90	1	100%	0 TO 5	1	100%
BLUEGILL SUNFISH	0.09	1.	128	120 TO 150	1	100%	35 TO 40	1	100%
LONGEAR SUNFISH	0.08	1.	122	120 TO 150	1	100%	30 TO 35	1	100%
WHITE CRAPPIE	0.69	10.	244	90 TO 120	4	40%	5 TO 10	3	30%
STRIPED BASS	0.19	2.	180	150 TO 180	2	100%	35 TO 40	1	50%
MISSISSIPPI SILVERSIDE	0.28	31.	105	60 TO 90	14	54%	0 TO 5	26	100%

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

POOR ORIGINAL

1442 334

7911300

898

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 11/19/79

SAMPLE TAKEN: 10-03-79

INLET WATERBOX
INCLUSIVE TIME
OF SAMPLE: 24 HRS

SCREENS
WASHED: 8

NUMBER OF CIRCULATING
PUMPS IN OPERATION: 4

24 HOUR TOTAL
SAMPLE COUNT:

151

24 HOUR TOTAL
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 (GR)	#
GILTHEAD SHAD	3.38	89.	166	90 TO 120	13	5 TO 10	13
FRESHWATER DRUM	2.61	11.	348	180 TO 210	4	50 TO 55	2
WHITE BASS	1.23	6.	254	90 TO 120	2	5 TO 10	2
BLUE CATFISH	0.44	5.	260	60 TO 90	1	0 TO 5	1
CHANNEL CATFISH	0.50	5.	290	150 TO 180	2	20 TO 25	2
WHITE CRAPPIE	1.58	14.	265	60 TO 90	9	5 TO 10	6
STRIPED BASS	0.71	3.	255	140 TO 210	1	60 TO 65	1
THREADFIN SHAD	0.01	1.	83	60 TO 90	1	0 TO 5	1
BLOUGILL SUNFISH	0.01	1.	52	30 TO 60	1	0 TO 5	1
EMERALD SHINER	0.01	1.	66	60 TO 90	1	0 TO 5	1
MISSISSIPPI SILVERSIDE	0.13	15.	106	90 TO 120	13	0 TO 5	14

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

POOR ORIGINAL

1442 335

RUN DATE: 11/19/79

SAMPLE TAKEN: 10-05-79

INLET WATERBOX
OF SAMPLE: 24 HRS
TEMPERATURE: 72 F

SCREENS
WASHER: 8

NUMBER OF CIRCULATING
PUMPS IN OPERATION: 4

24 HOUR TOTAL
SAMPLE COUNT: 322

30.9 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL WEIGHT (GR)	#	%
GILTHEAD SHAD	4.56	111.	181	90 TO 120	16	62%	5 TO 10	9	35%
FRESHWATER DRUM	3.05	16.	457	120 TO 150	5	31%	20 TO 25	3	19%
STRIPED BASS	10.00	49.	275	210 TO 240	12	46%	95 TO 100	5	19%
WHITE BASS	4.04	50.	400	90 TO 120	12	46%	10 TO 15	8	31%
CHANNEL CATFISH	0.37	8.	170	120 TO 150	4	50%	10 TO 15	2	25%
BLUE CATFISH	0.43	3.	210	30 TO 60	1	33%	0 TO 5	1	33%
SHOULDER GEAR	1.06	1.	570	540 TO 570	1	100%	480 TO 485	1	100%
BLUEGILL SUNFISH	1.75	24.	184	90 TO 120	7	29%	0 TO 5	6	25%
LONGEAR SUNFISH	0.11	2.	132	30 TO 60	1	50%	0 TO 5	1	50%
WHITE CRAPPIE	2.36	15.	335	90 TO 120	5	33%	0 TO 5	4	27%
EUROPEAN CARP	0.23	1.	205	180 TO 210	1	100%	100 TO 105	1	100%
THREADFIN SHAD	0.01	1.	89	60 TO 90	1	100%	5 TO 10	1	100%
MISSISSIPPI SILVERSIDE	0.39	39.	107	90 TO 120	17	65%	0 TO 5	26	100%

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POOR ORIGINAL

1442 336

SAMPLE TAKEN: 10-05-79 CONTINUED:

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL WEIGHT (GR)	#	%
EMERALD SHINER	0.01	1.	50	30 TO 60	1	100%	0 TO 5	1	100%
GREEN SUNFISH	0.05	1.	115	90 TO 120	1	100%	25 TO 30	1	100%

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

POOR ORIGINAL

1442 337

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 11/19/79

SAMPLE TAKEN: 10-09-79

INCLUSIVE TIME INLET WATERBOX
OF SAMPLE: 24 HRS TEMPERATURE: 72 F

SCREENS NUMBER OF CIRCULATING 24 HOUR TOTAL
WASHERS: 8 PUMPS IN OPERATION: 4 SAMPLE COUNT:

82 SAMPLE WEIGHT: 13.5 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	3.88	84.	204	90 TO 120	13	50%	10 TO 15	9	35%
FRESHWATER DRUM	2.10	18.	323	120 TO 150	7	39%	10 TO 15	4	22%
STRIPED BASS	0.38	2.	222	180 TO 210	1	50%	70 TO 75	1	50%
MOONEYE	0.44	1.	281	270 TO 300	1	100%	195 TO 200	1	100%
CHANNEL CATFISH	1.02	7.	286	150 TO 180	2	29%	0 TO 5	1	14%
BLUE CATFISH	0.60	4.	236	210 TO 240	2	50%	0 TO 5	1	25%
MISSISSIPPI SILVERSIDE	0.41	37.	110	90 TO 120	25	96%	0 TO 5	23	88%
THREADFIN SHAD	0.03	4.	93	60 TO 90	2	50%	0 TO 5	3	75%
LARGEMOUTH BASS	0.05	1.	127	120 TO 150	1	100%	20 TO 25	1	100%
BLUEGILL SUNFISH	0.11	2.	142	30 TO 60	1	50%	0 TO 5	1	50%
WHITE BASS	1.13	3.	335	120 TO 150	1	33%	25 TO 30	1	33%
WHITE CRAPPIE	1.02	18.	259	60 TO 90	10	56%	0 TO 5	6	33%
BLACK BUFFALO	2.31	1.	422	420 TO 450	1	100%	1045 TO 1050	1	100%

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

POOR ORIGINAL

1442 338

SAMPLE TAKE# 10-10-79

INLET WATERBOX - # SCREENS NUMBER OF CIRCULATING 24 HOUR TOTAL 24 HOUR TOTAL *
OF SAMPLE: 24 HRS TEMPERATURE: 69 F PUMPS IN OPERATION: 4 SAMPLE COUNT: 313 SAMPLE WEIGHT: 15.4 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL WEIGHT (GR)	#	%
GILTED SHAD	6.00	156.	182	90 TO 120	12	44%	5 TO 10	9	33%
FRESHWATER DRUM	2.69	52.	237	120 TO 150	9	35%	5 TO 10	6	23%
STRIPE BASS	0.72	3.	242	210 TO 240	2	67%	75 TO 80	1	33%
WHITE BASS	2.06	8.	325	90 TO 120	4	50%	10 TO 15	2	25%
BLUE CATFISH	0.22	2.	242	120 TO 150	1	50%	10 TO 15	1	50%
CHANNEL CATFISH	0.29	8.	174	90 TO 120	4	50%	5 TO 10	4	50%
SMALLMOUTH BUFFALO	1.44	1.	391	390 TO 420	1	100%	650 TO 655	1	100%
WHITE CRAPPIE	1.14	17.	247	60 TO 90	8	47%	0 TO 5	7	41%
TREACLEFIN SHAD	0.03	5.	88	60 TO 90	4	80%	0 TO 5	5	100%
BLUEGILL SUNFISH	0.01	1.	42	30 TO 60	1	100%	0 TO 5	1	100%
MISSISSIPPI SILVERSIDES	0.75	60.	108	90 TO 120	24	92%	0 TO 5	22	85%

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

POOR ORIGINAL

1442
339

SAMPLE TAKE: 10-11-79

INLET WATERBOX # SCREENS 24 HOUR TOTAL 24 HOUR TOTAL *
OF SAMPLE: 24 HRS TEMPERATURE: 68 F WASHED: DUMPS IN OPERATION: 4 SAMPLE COUNT: 281 SAMPLE WEIGHT: 15.1 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GR)	#	%
GLAZED SHAD	6.31	145.	142	90 TO 120	13	48%	5 TO 10	13	48%
FRESHWATER DRUM	2.75	51.	265	120 TO 150	16	62%	15 TO 20	10	38%
WHITE BASS	1.09	3.	385	150 TO 180	1	33%	35 TO 40	1	33%
CHANNEL CATFISH	0.08	5.	130	60 TO 90	3	60%	0 TO 5	3	60%
BLUE CATFISH	0.52	4.	227	60 TO 90	2	25%	0 TO 5	2	25%
MISSISSIPPI SILVERSIDE	0.56	42.	109	90 TO 120	21	81%	0 TO 5	23	88%
THREADFIN SHAD	0.03	9.	64	60 TO 90	5	56%	0 TO 5	9	100%
GOLDEN SHINER	0.01	2.	75	60 TO 90	2	100%	0 TO 5	2	100%
EUROPEAN CARP	1.34	1.	405	390 TO 420	1	100%	620 TO 625	1	100%
WHITE CRAPPIE	1.49	15.	290	90 TO 120	5	33%	0 TO 5	3	20%

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

POOR ORIGINAL

1442 340

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 11/19/79

SAMPLE TAKEN: 10-16-79

INCLUSIVE TIME

INLET WATERBOX

SCREENS

NUMBER OF CIRCULATING

24 HOUR TOTAL

24 HOUR TOTAL *

OF SAMPLE: 24 HRS

TEMPERATURE: 66 F

WASHER: H

PUMPS IN OPERATION: 4

SAMPLE COUNT:

480

SAMPLE WEIGHT:

19.9 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	9.31	223.	302	90 TO 120	14	52%	10 TO 15	8	30%
FRESHWATER DRUM	4.06	44.	332	120 TO 150	7	27%	10 TO 15	7	27%
STRIPED BASS	1.30	4.	283	180 TO 210	2	50%	75 TO 80	1	25%
WHITE BASS	2.20	21.	257	120 TO 150	9	43%	20 TO 25	5	24%
CHANNEL CATFISH	0.36	7.	243	60 TO 90	3	43%	0 TO 5	3	43%
BLUE CATFISH	0.54	17.	280	90 TO 120	10	59%	0 TO 5	8	47%
MISSISSIPPI SILVERSIDE	1.44	140.	114	90 TO 120	21	78%	0 TO 5	23	85%
THREADFIN SHAD	0.11	15.	103	30 TO 60	6	40%	0 TO 5	11	73%
WHITE CRAPPIE	0.38	6.	170	150 TO 180	3	50%	0 TO 5	1	17%
GOLDEN SHINER	0.01	1.	77	60 TO 90	1	100%	0 TO 5	1	100%
BLUEGILL SUNFISH	0.22	1.	160	150 TO 180	1	100%	95 TO 100	1	100%
LONGEAR SUNFISH	0.01	1.	58	30 TO 60	1	100%	0 TO 5	1	100%

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

POOR ORIGINAL

1442 341

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 11/19/79

SAMPLE TAKEN: 10-17-79

INCLUSIVE TIME

INLET WATERBOX

SCREENS

NUMBER OF CIRCULATING

24 HOUR TOTAL

24 HOUR TOTAL *

OF SAMPLE: 24 HRS

TEMPERATURE: 69 F

WASHED: 8

PUMPS IN OPERATION: 4

SAMPLE COUNT:

500

SAMPLE WEIGHT:

21.9 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	8.81	233.	190	90 TO 120	18	64%	5 TO 10	11	39%
FRESHWATER DRUM	3.56	42.	274	120 TO 150	11	42%	15 TO 20	6	23%
WHITE BASS	2.91	29.	245	120 TO 150	14	54%	25 TO 30	7	27%
CHANNEL CATFISH	0.58	9.	254	150 TO 180	3	33%	5 TO 10	2	22%
BLUE CATFISH	2.72	10.	507	90 TO 120	6	60%	10 TO 15	5	50%
MISSISSIPPI SILVERSIDE	1.31	109.	110	90 TO 120	26	100%	0 TO 5	20	77%
WHITE CRAPPIE	1.19	8.	270	150 TO 180	5	63%	40 TO 45	3	38%
BLUEGILL SUNFISH	0.54	3.	200	30 TO 60	1	33%	0 TO 5	1	33%
FLATHEAD CATFISH	0.06	2.	128	90 TO 120	1	50%	5 TO 10	1	50%
THREADFIN SHAD	0.38	55.	108	60 TO 90	17	65%	0 TO 5	23	88%

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

POOR ORIGINAL

1442 342

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 11/19/79

SAMPLE TAKEN: 10-18-79
INCLUSIVE TIME INLET WATERBOX # SCREENS NUMBER OF CIRCULATING 24 HOUR TOTAL
OF SAMPLE: 24 HRS TEMPERATURE: 69 F WASHED: R PUMPS IN OPERATION: 4 SAMPLE COUNT: 597 24 HOUR TOTAL *
SAMPLE WEIGHT: 22.3 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	9.38	250.	180	90 TO 120	13	46%	5 TO 10	8	29%
FRESHWATER DRUM	2.75	26.	294	120 TO 150	9	35%	10 TO 15	4	15%
WHITE BASS	5.25	55.	360	120 TO 150	11	42%	15 TO 20	7	27%
CHANNEL CATFISH	1.24	16.	357	60 TO 90	5	31%	0 TO 5	6	38%
BLUE CATFISH	0.84	17.	310	90 TO 120	8	47%	0 TO 5	6	35%
MISSISSIPPI SILVERSIDES	1.56	131.	110	90 TO 120	21	78%	0 TO 5	20	74%
THREADFIN SHAD	0.47	90.	87	60 TO 90	14	54%	0 TO 5	26	100%
WHITE CRAPPIE	0.34	7.	184	60 TO 90	2	29%	5 TO 10	3	43%
BLUEGILL SUNFISH	0.11	2.	138	30 TO 60	1	50%	0 TO 5	1	50%
LONGEAR SUNFISH	0.11	1.	128	120 TO 150	1	100%	50 TO 55	1	100%
STRIPED BASS	0.18	2.	197	90 TO 120	1	50%	15 TO 20	1	50%

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

1442 543

POOR ORIGINAL