

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

DATE: 12/29/79

SAMPLE TAKEN: 11-19-79 CONTINUED:

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(LBS)	#	%
EMERALD SPINER	0.01	1.	79	60 10 90	1	100%	0 10	5	1 100%

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

ANALYSIS REPORT ON A LION COMPANY AND SCIENTIFIC EQUIPMENT

DATE: 12/20/74

SAMPLE # 11-20-74
INSTRUMENT TYPE
OF SAMPLE: 24 HRS

24 HOUR TOTAL
SAMPLE WEIGHT: 235.5 LBS

NUMBER OF CIRCULATING
PISTONS IN OPERATION: 2

SAMPLE COUNT: 6791

SPECIES NAME

SPECIES 24 HRS
TOTAL WEIGHT (LBS)

SPECIES 24 HRS
TOTAL COUNT

MAXIMUM
LENGTH (MM)

MAXIMUM
LENGTH (MM)

MAXIMUM
LENGTH (MM)

MAXIMUM
LENGTH (MM)

MAXIMUM
LENGTH (MM)

GILDED STAIN

0.00

3000

100

90 TO 120

60

5 TO 10

600

INSTRUMENT STAIN

13.54

1723

112

60 TO 90

47

0 TO 5

53

MISCELLANEOUS STAIN

0.00

3000

100

90 TO 120

40

5 TO 10

20

EXCESSIVE STAIN

0.00

3000

200

150 TO 180

1

40

1

EXCESSIVE STAIN

0.00

3000

101

30 TO 60

3

0 TO 5

4

WHITE MASS

0.00

13

220

120 TO 150

5

15 TO 20

3

BLUE CATHETER

0.01

40

120

90 TO 120

10

0 TO 5

13

BLUE STAIN

0.00

3000

100

60 TO 90

5

0 TO 5

5

EXCESSIVE STAIN

0.02

3000

40

60 TO 90

2

0 TO 5

2

EXCESSIVE STAIN

0.01

2000

47

30 TO 60

1

0 TO 5

1

EXCESSIVE STAIN

0.01

2000

50

30 TO 60

1

0 TO 5

1

• TOTAL SAMPLE #1. INCLUDES 133.5 LBS OF WEARIS ACCUMULATION.

ALABAMA POWER & LIGHT COMPANY
WATER QUALITY MONITORING

WQA DATE: 12/20/79

SAMPLE TAKEN: 11-21-79
INCLUSIVE TIME
OF SAMPLE: 12 HRS

24 HOUR TOTAL *
SAMPLE WEIGHT: 540.9 LBS

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

* SCORERS
WASHER: 8

SPECIES 24 HRS
TOTAL WEIGHT (LBS)

SPECIES NAME

SPECIES NAME	SPECIES 24 HRS TOTAL WEIGHT (LBS)	SPECIES 24 HRS TOTAL COUNT	MAXIMUM LENGTH (MM)	MINIMUM LENGTH (MM)	%	24 HOUR TOTAL * SAMPLE WEIGHT: 540.9 LBS
WATERBURY SNAKE	0.00	4001	127	90 TO 120	5%	5 TO 10 44 72%
WATERBURY SNAKE	0.00	100	95	60 TO 90	1%	0 TO 5 27 40%
MISSISSIPPI SILVERSHOE	2.00	213	120	90 TO 120	51	5 TO 10 24 74%
BLUE CATFISH	1.10	87	123	60 TO 90	12	0 TO 5 14 50%
BLUEGILL SUNFISH	0.03	7	161	30 TO 60	1	0 TO 5 1 50%
ROCKY SUNFISH	0.02	6	60	40 TO 60	1	0 TO 5 1 10%
WHITE BASS	0.00	4	109	40 TO 120	1	10 TO 15 1 100%
CARPENTERS CATFISH	0.00	7	99	60 TO 90	1	0 TO 5 1 50%
WATER SILVERSHOE	0.02	4	85	60 TO 90	1	0 TO 5 1 100%

* TOTAL SAMPLE WT. INCLUDES 451.2 LBS OF DEBRIS ACCUMULATION.

ANALYSIS REPORT & LION COMPANY 200 SCIENTIFIC COLLECTION

DATE: 1/20/19

SAMPLE NAME: 11-27-19

INCLUSIVE TIME: 11-27-19

OF SAMPLE: 24 HRS

W. SCIENTIFIC

NUMBER OF CIRCULATING PUMPS IN OPERATION: 6

24 HOUR TOTAL

SAMPLE ATION: 1375.0 LBS

SPECIES NAME	SPECIES 24 HRS TOTAL LENGTH (MM)	SPECIES 24 HRS TOTAL COUNT	MAXIMUM LENGTH (MM)	NUMBER OF CIRCULATING PUMPS IN OPERATION	24 HOUR TOTAL SAMPLE COUNT	24 HOUR TOTAL SAMPLE ATION
SILVER SHAD	275.24	53765	144	40 TO 120	93	85%
TRANSFORM SHAD	23.39	3002	103	40 TO 40	39	70%
MISSISSIPPI SILVERSHAD	15.55	111%	123	40 TO 120	47	50%
BLUE CATFISH	2.21	26%	126	40 TO 120	15	52%
WHITE CATFISH	0.04	4%	53	30 TO 60	1	100%
CRAYFISH	0.04	6%	64	40 TO 40	1	100%
WHITE BASS	0.02	3%	135	120 TO 150	1	100%
WHITE CRAYFISH	0.10	9%	88	40 TO 40	1	100%
POUNCEY SHAD	0.04	4%	76	20 TO 40	1	100%

* TOTAL SAMPLE AT. INCLUDING 24 HRS OF DEBRIS ACCUMULATION.

ANALYSIS FOR A LITAT COMPANY
AND SCREEN SOLUTIONS

DATE: 12/20/79

SAMPLE TARE: 11-29-79		INLET TEMPERATURE		INLET TEMPERATURE: 50 F		# SCREENS WASHER: 4	NUMBER OF CIRCULATING 24 HOUR TOTAL SOLIDS IN OPERATION: 4 SAMPLE COUNT:		11492		24 HOUR TOTAL SAMPLE WEIGHT: 375.3 LBS	
SAMPLE	WGT	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MINIMUM LENGTH (MM)		58		718		5 TO 10 53 658	
GLASS	133.05		7666	163	90 TO 120		42		628		0 TO 5 48 788	
TOPOGRAPHY	32.00		3-27	110	90 TO 120		49		948		0 TO 5 33 638	
MISSISSIPPI SILVERSTONE	8.54		321	122	90 TO 120		11		798		0 TO 5 5 438	
GLUE CAPSULE	0.54		45	143	90 TO 120		2		408		0 TO 5 3 608	
TOPOGRAPHY	0.29		14	157	90 TO 120		2		1608		0 TO 5 2 1008	
CHAMPAGNE CAPSULE	0.04		5	22	90 TO 120		3		1008		0 TO 5 1 1008	
TOPOGRAPHY	0.04		2	25	90 TO 120		1		1008		0 TO 5 1 1008	
GLASS CAPSULE	1.11		4	322	90 TO 120		1		1008		0 TO 5 1 1008	
GLASS	0.17		4	164	90 TO 120		1		1008		0 TO 5 1 1008	
GLASS	0.02		4	22	90 TO 120		1		1008		0 TO 5 1 1008	
GLASS	0.01		3	48	90 TO 120		1		1008		0 TO 5 1 1008	
GLASS	0.02		4	20	90 TO 120		1		1008		0 TO 5 1 1008	

* TOTAL SAMPLE AT 100005201.8 LBS OF DEBRIS ACCUMULATION.

ANALYSIS OF THE ALIOT COMPANY AND SCREEN SAMPLING

DATE: 12/20/79

SAMPLE DATE: 11-30-79		INLET TEMPERATURE		# SCREENS		NUMBER OF CIRCULATING		24 HOUR TOTAL		24 HOUR TOTAL	
OF SAMPLE: 24 HRS		TEMPERATURE: 64 F		WASHES: 4		PULPS IN OPERATION: 4		SAMPLE COUNT: 33,007		SAMPLE WEIGHT: 595.0 LBS	
SPECIES NAME	SPECIES 24 HRS TOTAL WEIGHT (LBS)	SPECIES 24 HRS TOTAL COUNT	MAXIMUM LENGTH (MM)	NUMBER OF CIRCULATING	24 HOUR TOTAL	24 HOUR TOTAL					
ALZADO SAND	473.17	24513	120	90 TO 120	94	775	5 TO 10	10	96	775	
TRACER IN SAND	33.30	4320	117	60 TO 90	41	675	0 TO 5	47	775		
MISSISSIPPI SILVERICE	2.55	217	116	90 TO 120	52	55	0 TO 5	35	645		
WHITE DIRT	5.05	17	340	90 TO 120	1	33	10 TO 15	1	334		
FRAGMENTATION DIRT	1.07	7	262	140 TO 210	1	63	45 TO 70	1	508		
WHITE CAPTAIN	0.06	3	108	60 TO 90	1	60	0 TO 5	2	1008		
CORNFEL CAPTAIN	0.20	7	149	120 TO 150	1	100	20 TO 25	1	1008		
ALYD CAPTAIN	0.72	5	400	300 TO 420	1	150	450 TO 545	1	1008		
STAINED DIRT	0.55	6	176	150 TO 180	1	100	50 TO 55	1	1008		

* TOTAL SAMPLE WT. INCLUDES 72.5 LBS OF DIRT'S ACCUMULATION.