

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 DEBRIS 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

6/91

SPECIES 24 HRS
TOTAL COUNT

SPECIES 24 HRS
TOTAL FLIGHT (HRS)

SPECIES NAME

SPECIES NAME	SPECIES 24 HRS TOTAL FLIGHT (HRS)	SPECIES 24 HRS TOTAL COUNT	MAXIMUM LENGTH (MM)	MINIMUM LENGTH (MM)	MAXIMUM LENGTH (MM)	MINIMUM LENGTH (MM)	MAXIMUM LENGTH (MM)	MINIMUM LENGTH (MM)
GILDED STAG	0.00	3000	100	90 TO 120	60	50	40	30
INDEPENDENT STAG	13.54	1723	112	60 TO 90	47	77	53	0/2
MISCELLANEOUS STAG	0.00	3000	100	90 TO 120	60	50	40	30
FEATHERED STAG	0.00	3000	200	150 TO 180	100	1	40	1 500
BLUEBELL STAG	0.00	3000	101	30 TO 60	3	60	5	4 400
WHITE STAG	0.00	13	220	120 TO 150	5	60	15 TO 20	3 300
BLUE CATTLE	0.01	40	120	90 TO 120	10	60	0 TO 5	13 500
BLUE STAG	0.00	3000	100	60 TO 90	5	100	0 TO 5	5 1000
WHITE STAG	0.02	3000	100	60 TO 90	2	100	0 TO 5	2 1000
BLUE STAG	0.01	20	47	30 TO 60	1	100	0 TO 5	1 1000
FEATHERED STAG	0.01	20	50	30 TO 60	1	100	0 TO 5	1 1000

• TOTAL SAMPLE #1. INCLUDES 133.5 LBS OF DEER'S ACCUMULATION.

ALABAMA POWER & LIGHT COMPANY
WATER QUALITY MONITORING

WQV 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%
GOPIA 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%
CARPENTAR 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.

01/02/21 : 4190 1100

24 NOV TOTAL 0

SPECIES NAME	SPECIES 24 TOTAL LENGTH	SPECIES 24 TOTAL COUNT	MAX LENGTH	MAX LENGTH (MM)	WEIGHT (GR)	WEIGHT (GR)
SLIPPER SHAD	275.24	53765	144	90 10 120 93	5 10 16 39	5 23
TOPE SHAD	23.39	3002	103	60 10 90 34	0 10 5 44	0 48
MISSISSIPPI SILVERSHAD	15.85	1117	123	60 10 120 47	0 10 5 29	0 58
BLUE CATFISH	2.33	244	126	60 10 120 15	0 10 5 14	0 24
YELLOW PERCH	0.04	6	53	30 10 60 1	0 10 5 1	0 100
CRAYFISH	0.04	6	64	60 10 90 1	0 10 5 1	0 100
WHITE BASS	0.02	3	132	120 10 150 1	20 10 25 1	0 100
WHITE CRAYFISH	0.10	3	66	60 10 90 1	0 10 5 1	0 100
ROCKY SHAD	0.04	6	76	60 10 90 1	0 10 5 1	0 100

• TOTAL SAMPLE AT INCLUSION: 2 LBS OF DEMAIS ACCUMULATION.

ANALYSIS FOR A LITAT COMPANY
AND SCREEN SOLUTIONS

DATE: 12/20/79

SAMPLE TAKEN: 11-29-79		INLET TEMPERATURE		INLET TEMPERATURE: 50 F		# SCREENS		NUMBER OF CIRCULATING 24 HOUR TOTAL		24 HOUR TOTAL		SAMPLE WEIGHT: 375.3 LBS	
EXCLUSIVE TIME		OF SAMPLE: 24 HRS						COUNT: 11492					
SPECIES 24 HRS		TOTAL WEIGHT (LBS)		SPECIES 24 HRS		TOTAL COUNT		MAXIMUM LENGTH (MM)		MINIMUM LENGTH (MM)		MAXIMUM WEIGHT (G)	
GLASS		133.05		7666		163		90 TO 120		58		5 TO 10	
TOTAL GLASS		32.00		3-27		110		90 TO 90		42		0 TO 5	
MISSISSIPPI SILVERSTONE		4.54		321		122		90 TO 120		49		0 TO 5	
GLASS		0.54		45		143		90 TO 120		11		0 TO 5	
GLASS		0.29		14		157		90 TO 90		2		0 TO 5	
CARBON CATHODE		0.04		5		22		90 TO 90		2		0 TO 5	
GLASS		0.04		2		65		90 TO 90		3		0 TO 5	
GLASS		1.01		4		322		90 TO 330		1		30 TO 330	
GLASS		0.17		4		164		90 TO 140		1		25 TO 30	
GLASS		0.02		4		22		90 TO 90		1		0 TO 5	
GLASS		0.01		3		48		90 TO 90		1		0 TO 5	
GLASS		0.02		4		40		90 TO 90		1		0 TO 5	

* TOTAL SAMPLE AT 100055201.0 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	
SPECIES NAME		SPECIES 24 HRS TOTAL ELUTION (MG)		SPECIES 24 HRS TOTAL COUNT		MAXIMUM LENGTH (MM)		TOTAL LENGTH (MM)		TOTAL WEIGHT (MG)	
ALZARON SAND		473.17		24513		120		90 TO 120		5 TO 10	
TANCOFF IN SAND		33.30		4320		117		60 TO 90		0 TO 5	
MISSISSIPPI SILVERICE		2.55		217		116		90 TO 120		0 TO 5	
WHITE DIRT		5.05		17		340		90 TO 120		10 TO 15	
FRESHWATER GRIM		1.07		7		262		140 TO 210		45 TO 70	
WHITE CAPTAIN		0.06		3		108		60 TO 90		0 TO 5	
CARBON CAPTAIN		0.20		7		149		120 TO 150		20 TO 25	
ALYD CAPTAIN		0.72		5		420		300 TO 420		450 TO 545	
STAINED DIRT		0.55		6		176		150 TO 180		50 TO 55	

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