

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MILLING

RUN DATE: 10/19/82

| SAMPLE IDENTIFICATION | INLET WATER TEMPERATURE | # SCREENS WASHED | NUMBER OF CIRCULATING PUMPS IN OPERATION | 24 HOUR TOTAL SAMPLE COUNT | 24 HOUR TOTAL SAMPLE WEIGHT | % S LBS |
|-----------------------|----------------------------------|---------------------------|--|----------------------------|-----------------------------|---------|
| SPECIES NAME | SPECIES 24 HR TOTAL WEIGHT (LBS) | SPECIES 24 HR TOTAL COUNT | MAXIMUM LENGTH (MM) | AJUAL LENGTH (MM) | AJUAL WEIGHT (GR) | % |
| STILLARD SHAD | 0.25 | 4. | 184 | 30 TU 60 | 0 TU 5 | 1 25% |
| TATEADLEY SHAD | 0.02 | 5. | 95 | 30 TU 60 | 0 TU 5 | 4 60% |
| FRESHWATER DUCK | 0.16 | 14. | 150 | 60 TU 90 | 0 TU 5 | 12 60% |
| BLUE CATFISH | 0.35 | 9. | 244 | 90 TU 120 | 5 TU 10 | 7 76% |
| CRAWFISH | 0.32 | 4. | 212 | 60 TU 90 | 0 TU 5 | 1 25% |
| STRIPED BASS | 4.15 | 6. | 435 | 240 TU 270 | 65 TU 70 | 1 17% |
| WHITE BASS | 5.00 | 10. | 345 | 210 TU 240 | 125 TU 130 | 2 20% |
| WHITE CRAPPIE | 0.34 | 3. | 230 | 60 TU 90 | 0 TU 5 | 2 67% |
| LARGER BOWFISH | 0.05 | 1. | 125 | 120 TU 150 | 20 TU 25 | 1 100% |
| HYPOBOSOMID STEVENSON | 0.01 | 1. | 68 | 60 TU 90 | 0 TU 5 | 1 100% |

* TOTAL SAMPLE WT. INCLUDED 0.0 LBS OF DEBRIS ACCUMULATED.

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ARKANSAS POWER & LIGHT COMPANY
AND SCREEN TUNING

RUN DATE: 10/19/62

| SAMPLE TAKEN | TEMPERATURE OF F | # SCREENS WASHED | NUMBER OF CIRCULATING PUMPS IN OPERATION | 24 HOUR TOTAL SAMPLE COUNT | 24 HOUR TOTAL SAMPLE WEIGHT | |
|-----------------------|----------------------------------|---------------------------|--|----------------------------|-----------------------------|---------|
| SAMPLE TAKEN 090503B2 | | | | | 12.7 LBS | |
| INCLUSIVE TIME | TEMPERATURE OF F | # SCREENS WASHED | NUMBER OF CIRCULATING PUMPS IN OPERATION | 24 HOUR TOTAL SAMPLE COUNT | 24 HOUR TOTAL SAMPLE WEIGHT | |
| OR SAMPLE 124 HRS | | | | | | |
| SPECIES NAME | SPECIES 24 HR TOTAL WEIGHT (LBS) | SPECIES 24 HR TOTAL COUNT | MAXIMUM LENGTH (MM) | MODAL LENGTH (MM) | MODAL WEIGHT (GR) | # |
| THREASFIN SHAD | 0.07 | 15. | 80 | 30 TU 60 | 0 TU 5 | 10 100% |
| STAZARD SHAD | 0.08 | 5. | 187 | 150 TU 100 | 40 TU 45 | 4 50% |
| FRESHWATER DRUM | 0.24 | 23. | 195 | 60 TU 90 | 0 TU 5 | 24 96% |
| CHANNEL CATFISH | 0.08 | 1. | 188 | 160 TU 210 | 50 TU 55 | 1 100% |
| BLUE CATFISH | 1.08 | 5. | 303 | 90 TU 120 | 5 TU 10 | 2 33% |
| WHITE BASS | 0.55 | 12. | 555 | 210 TU 240 | 95 TU 100 | 2 17% |
| STRIPED BASS | 2.09 | 5. | 405 | 300 TU 330 | 165 TU 170 | 2 33% |
| WHITE CRAPPIE | 0.24 | 7. | 190 | 60 TU 90 | 5 TU 10 | 5 43% |
| BLUEGILL SUNFISH | 0.42 | 3. | 177 | 150 TU 180 | 30 TU 35 | 1 33% |
| LARGEMOUTH SUNFISH | 0.07 | 1. | 152 | 120 TU 150 | 30 TU 35 | 1 100% |
| SKIPJACK HERRING | 0.40 | 1. | 307 | 300 TU 330 | 175 TU 180 | 1 100% |

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

ANNANDALE PARK & LIGHT COMPANY
AND SCREEN MANUFACTURING

RUN DATE: 10/19/62

| SAMPLE NAME | SPECIES 24 HR TOTAL COUNT | SPECIES 24 HR TOTAL COUNT | MAXIMUM LENGTH(MM) | MEDIA LENGTH(MM) | 24 HOUR TOTAL * SAMPLE WEIGHT |
|------------------------|---------------------------|---------------------------|--------------------|------------------|-------------------------------|
| THREADFIN SHAD | 22 | 77 | 90 | 90 | 0 TU 5 22 100% |
| STILLANO SHAD | 5 | 175 | 150 | 150 | 35 TU 40 2 33% |
| FRESHWATER DRUM | 17 | 152 | 90 | 90 | 0 TU 5 15 66% |
| BLUE CATFISH | 5 | 340 | 90 | 120 | 10 TU 15 2 40% |
| WHITE BASS | 12 | 375 | 240 | 270 | 15 TU 20 1 6% |
| STRIPE BASS | 5 | 352 | 390 | 420 | 40 TU 85 1 20% |
| WHITE CRAPPIE | 2 | 85 | 90 | 90 | 0 TU 5 1 50% |
| BLUEGILL SUNFISH | 3 | 164 | 150 | 160 | 25 TU 30 1 33% |
| MISSISSIPPI SILVERSIDE | 1 | 91 | 90 | 120 | 0 TU 5 1 100% |
| CHANNEL CATFISH | 5 | 247 | 120 | 150 | 10 TU 15 2 33% |

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

15.3 LBS

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 10/19/82

SAMPLE TAKEN: 09-14-82
INCLUSIVE TIME: INLET WATERBOX # SCREENS WASHED: 0
DE SAMPLE: 24 HRS TEMPERATURE: 81 F NUMBER OF CIRCULATING PUMPS IN OPERATION: 4 24 HOUR TOTAL SAMPLE COUNT: 555 24 HOUR TOTAL * SAMPLE WEIGHT: 13.1 LBS

| SPECIES NAME | SPECIES 24 HR TOTAL WEIGHT (LBS) | SPECIES 24 HR TOTAL COUNT | MAXIMUM LENGTH (MM) | MODAL LENGTH (MM) | | | | MODAL WEIGHT (GR) | | | | | |
|------------------|-------------------------------------|------------------------------|------------------------|----------------------|----|-----|----|----------------------|-----|----|-----|----|------|
| | | | | # | % | # | % | # | % | | | | |
| THREADFIN SHAD | 0.18 | 50. | 83 | 50 | TJ | 60 | 17 | 65% | 0 | TJ | 5 | 26 | 100% |
| GIZZARD SHAD | 0.23 | 10. | 130 | 90 | TJ | 120 | 4 | 40% | 10 | TJ | 15 | 4 | 40% |
| FRESHWATER DRUM | 5.25 | 375. | 267 | 60 | TJ | 90 | 18 | 62% | 0 | TJ | 5 | 22 | 76% |
| CHANNEL CATFISH | 1.14 | 25. | 340 | 90 | TJ | 120 | 11 | 46% | 5 | TJ | 10 | 12 | 52% |
| BLUE CATFISH | 1.25 | 36. | 275 | 90 | TJ | 120 | 15 | 56% | 5 | TJ | 10 | 15 | 56% |
| STRIPED BASS | 3.52 | 4. | 405 | 390 | TJ | 420 | 2 | 50% | 120 | TJ | 125 | 1 | 25% |
| WHITE BASS | 2.39 | 14. | 277 | 180 | TJ | 210 | 4 | 29% | 15 | TJ | 20 | 2 | 14% |
| WHITE CRAPPIE | 0.67 | 6. | 277 | 90 | TJ | 120 | 4 | 50% | 5 | TJ | 10 | 6 | 75% |
| LONGEAR SUNFISH | 0.09 | 1. | 122 | 120 | TJ | 150 | 1 | 100% | 35 | TJ | 40 | 1 | 100% |
| LARGEMOUTH BASS | 0.17 | 1. | 190 | 180 | TJ | 210 | 1 | 100% | 75 | TJ | 80 | 1 | 100% |
| BLUEGILL SUNFISH | 0.16 | 7. | 162 | 30 | TJ | 60 | 6 | 86% | 0 | TJ | 5 | 6 | 86% |
| SKIPJACK HERRING | 0.05 | 1. | 150 | 120 | TJ | 150 | 1 | 100% | 20 | TJ | 25 | 1 | 100% |

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

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 10/19/82

| SAMPLE NAME | SPECTED 24 MM TOTAL WEIGHT(LBS) | SPECIES 24 MM TOTAL COUNT | MAXIMUM LENGTH(MM) | MODAL LENGTH(MM) | MODAL WEIGHT(GM) | 24 HOUR TOTAL PUMPS IN OPERATION | 24 HOUR TOTAL SAMPLE WEIGHT | |
|------------------|---------------------------------|---------------------------|--------------------|------------------|------------------|----------------------------------|-----------------------------|------|
| THREADFIN SHAD | 0.23 | 50. | 84 | 30 TU 60 | 0 TU 5 | 402 | 21.2 LBS | |
| GIZZARD SHAD | 0.03 | 16. | 166 | 120 TU 150 | 10 TU 15 | 6 | 302 | |
| FRESHWATER DUMM | 2.09 | 233. | 242 | 60 TU 90 | 0 TU 5 | 23 | 822 | |
| BLUE CATFISH | 1.31 | 37. | 201 | 90 TU 120 | 5 TU 10 | 15 | 582 | |
| CHANNEL CATFISH | 0.05 | 31. | 231 | 90 TU 120 | 5 TU 10 | 17 | 552 | |
| WHITE BASS | 3.20 | 15. | 397 | 210 TU 240 | 90 TU 95 | 3 | 202 | |
| STRIPED BASS | 4.52 | 5. | 474 | 300 TU 330 | 2 TU 254 | 145 TU 150 | 1 | 132 |
| SKIPJACK TERNING | 0.09 | 1. | 183 | 180 TU 210 | 1 TU 1002 | 35 TU 40 | 1 | 1002 |
| WHITE CRAPPIE | 0.50 | 7. | 263 | 60 TU 90 | 3 TU 432 | 5 TU 10 | 3 | 432 |
| BLUEGILL SUNFISH | 0.09 | 2. | 130 | 30 TU 60 | 1 TU 502 | 0 TU 5 | 1 | 502 |
| LONGEAR SUNFISH | 0.14 | 2. | 144 | 120 TU 150 | 2 TU 1002 | 20 TU 25 | 1 | 502 |

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

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 10/19/82

| SAMPLE TAKE# | INCLUSIVE TIME | EXCLUSIVE TIME | WATER TEMPERATURE | WATER FLOW | # SCREENS | NUMBER OF PUMPS IN OPERATION | 24 HOUR TOTAL SAMPLE COUNT | 24 HOUR TOTAL SAMPLE WEIGHT | 24 HOUR TOTAL # OF FISH |
|------------------------|----------------------------------|---------------------------|---------------------|----------------|---------------------------|------------------------------|----------------------------|-----------------------------|-------------------------|
| 09-21-82 | 14:24 | 15:24 | 77 F | 77 F | 0 | 4 | 800 | 21.1 LBS | 21 |
| SPECIES NAME | SPECIES 24 HR TOTAL WEIGHT (LBS) | SPECIES 24 HR TOTAL COUNT | MAXIMUM LENGTH (MM) | NUMBER OF FISH | 24 HOUR TOTAL LENGTH (MM) | 24 HOUR TOTAL WEIGHT (LBS) | 24 HOUR TOTAL COUNT | 24 HOUR TOTAL # OF FISH | |
| TREASURY SHAD | 0.00 | 142 | 135 | 18 | 30 | 0.74 | 0 | 5 | |
| STAZARD SHAD | 1.11 | 21 | 177 | 7 | 150 | 5.54 | 0 | 5 | |
| FRESHWATER CRAY | 4.03 | 457 | 257 | 25 | 60 | 6.34 | 0 | 5 | |
| CHANNEL CATFISH | 0.00 | 17 | 250 | 8 | 60 | 4.24 | 0 | 5 | |
| BLUE CATFISH | 1.42 | 13 | 290 | 5 | 90 | 3.84 | 5 | 4 | |
| STRIPE DASS | 4.03 | 8 | 410 | 3 | 330 | 3.84 | 0 | 1 | |
| WHITE BASS | 5.08 | 20 | 348 | 6 | 240 | 5.04 | 5 | 2 | |
| WHITE CRAPPIE | 0.75 | 5 | 290 | 3 | 60 | 5.04 | 0 | 3 | |
| BLUEGILL SUNFISH | 1.27 | 10 | 185 | 5 | 150 | 5.04 | 0 | 3 | |
| SPYGLASS SUNFISH | 0.11 | 1 | 150 | 1 | 120 | 1.004 | 50 | 1 | |
| ORANGE-SPIKED SUNFISH | 0.01 | 1 | 47 | 1 | 30 | 1.004 | 0 | 1 | |
| WARMBOUTH | 0.02 | 1 | 87 | 1 | 60 | 1.004 | 5 | 1 | |
| MISSISSIPPI SILVERSIDE | 0.01 | 1 | 97 | 1 | 90 | 1.004 | 0 | 1 | |

* TOTAL SAMPLE #1 INCLUDES 0.0 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 10/19/82

| SAMPLE TAKEN: 09-02-82 | INCLUSIVE TIME OF SAMPLE: 24 HRS | LEVEL: AVERAGE | # SCREENS WASHED: 0 | NUMBER OF CIRCULATING PUMPS IN OPERATION: 4 | 24 HOUR TOTAL SAMPLE COUNT: | 24 HOUR TOTAL SAMPLE WEIGHT: | | | | | |
|-------------------------|----------------------------------|---------------------------|---------------------|---|-----------------------------|------------------------------|-----|-----|-----|------|-----|
| SPECIES NAME | SPECIES 24 HR TOTAL WEIGHT (LBS) | SPECIES 24 HR TOTAL COUNT | MAXIMUM LENGTH (MM) | MUJAL LENGTH (MM) | # | MUJAL WEIGHT (GR) | # | | | | |
| THREADFIN SHAD | 1.31 | 250 | 100 | 30 | 10 | 0 | 5 | 20 | 434 | | |
| GT 240 SHAD | 1.11 | 14 | 212 | 90 | 120 | 0 | 10 | 15 | 4 | 214 | |
| FRESHWATER DRUM | 3.25 | 210 | 200 | 60 | 120 | 90 | 0 | 10 | 5 | 20 | 744 |
| BLUE CATFISH | 1.50 | 37 | 240 | 90 | 120 | 21 | 0 | 14 | 10 | 19 | 734 |
| CHANNEL CATFISH | 1.50 | 50 | 221 | 90 | 120 | 12 | 5 | 10 | 10 | 11 | 424 |
| WHITE BASS | 14.14 | 24 | 414 | 210 | 240 | 7 | 0 | 10 | 90 | 2 | 84 |
| STRIPED BASS | 3.04 | 0 | 401 | 330 | 300 | 2 | 175 | 100 | 1 | 204 | |
| BLUEGILL SUNFISH | 0.50 | 4 | 140 | 90 | 120 | 2 | 25 | 30 | 1 | 254 | |
| WHITE CRAPPIE | 0.22 | 3 | 222 | 90 | 120 | 2 | 5 | 10 | 1 | 334 | |
| LARGEMOUTH SUNFISH | 0.45 | 2 | 141 | 120 | 150 | 2 | 50 | 55 | 1 | 504 | |
| MISSISSIPPI SILVERSHADE | 0.02 | 2 | 90 | 60 | 90 | 2 | 0 | 5 | 2 | 1004 | |

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

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MANUFACTURING

RUN DATE: 10/19/82

| SAMPLE TAKEN: 09-23-82 | INCLUSIVE TIME | EXCLUSIVE TIME | WATER TEMPERATURE: 75 F | # SCREENS WASHED: 8 | NUMBER OF CIRCULATING PUMPS IN OPERATION: 4 | 24 HOUR TOTAL SAMPLE COUNT: | 24 HOUR TOTAL SAMPLE WEIGHT: |
|------------------------|----------------------------------|---------------------------|-------------------------|---------------------|---|-----------------------------|------------------------------|
| SAMPLE: 20 THS | | | | | | 098 | 35.2 LBS |
| SPECIES NAME | SPECIES 24 HR TOTAL WEIGHT (LBS) | SPECIES 24 HR TOTAL COUNT | MAXIMUM LENGTH (MM) | MODAL LENGTH (MM) | # | MODAL WEIGHT (GK) | # |
| THREADFIN SHAD | 4.07 | 625. | 90 | 80 TU | 27 | 0 TU | 5 30 97% |
| STAZARD SHAD | 1.35 | 25. | 215 | 90 TU | 9 | 5 TU | 10 7 27% |
| FRESHWATER DRUM | 1.44 | 84. | 305 | 80 TU | 15 | 0 TU | 5 19 73% |
| WHITE BASS | 15.50 | 47. | 390 | 210 TU | 8 | 75 TU | 80 4 15% |
| BLUE CATFISH | 2.15 | 81. | 295 | 90 TU | 18 | 5 TU | 10 16 62% |
| CANYON CATFISH | 5.31 | 59. | 350 | 90 TU | 11 | 0 TU | 5 14 54% |
| STRIPED BASS | 2.25 | 5. | 399 | 300 TU | 2 | 5 TU | 10 1 17% |
| BLUEGILL SUNFISH | 0.61 | 3. | 192 | 150 TU | 3 | 80 TU | 85 2 40% |
| WHITE CRAPPIE | 0.15 | 1. | 184 | 180 TU | 1 | 55 TU | 60 1 100% |
| STRIPED BASS | 0.05 | 1. | 167 | 150 TU | 1 | 20 TU | 25 1 100% |
| MISSISSIPPI SILVERSIDE | 0.02 | 2. | 95 | 80 TU | 1 | 0 TU | 5 2 100% |
| LARGEMOUTH BASS | 0.05 | 1. | 145 | 120 TU | 1 | 25 TU | 30 1 100% |

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

ARXANDAS PAPER & PULP COMPANY
AND SCREEN MANUFACTURING

RUN DATE: 10/19/82

| SAMPLE TAKEN INCLUSIVE TIME OF DAY | WATER TEMPERATURE | # SCREENS WASHED | NUMBER OF CIRCULATING PULPS IN OPERATION | 24 HOUR TOTAL SAMPLE COUNT | 24 HOUR TOTAL SAMPLE WEIGHT | | | | | |
|------------------------------------|----------------------------------|---------------------------|--|----------------------------|-----------------------------|------|-----|-----|-----|------|
| SPECIES NAME | SPECIES 24 HR TOTAL WEIGHT (LBS) | SPECIES 24 HR TOTAL COUNT | MAXIMUM LENGTH (MM) | MODAL LENGTH (MM) | MODAL WEIGHT (GR) | % | | | | |
| THREESPIN SMAD | 0.20 | 047 | 145 | 80 TU | 0 TU | 744 | 5 | 31 | 412 | |
| GYZZARD SHAD | 1.05 | 35 | 195 | 90 TU | 120 TU | 384 | 15 | 20 | 312 | |
| FRESHWATER DRUM | 2.35 | 80 | 287 | 80 TU | 90 TU | 824 | 0 | 5 | 17 | 652 |
| MULLIE BASS | 4.75 | 24 | 382 | 210 TU | 240 TU | 294 | 70 | 75 | 4 | 172 |
| CANYON CATFISH | 5.25 | 95 | 325 | 90 TU | 120 TU | 484 | 5 | 10 | 13 | 502 |
| BLUE CATFISH | 2.25 | 47 | 358 | 90 TU | 120 TU | 894 | 5 | 10 | 18 | 692 |
| BLACK BULLHEAD | 0.05 | 1 | 157 | 120 TU | 150 TU | 1004 | 20 | 25 | 1 | 1002 |
| FLATHEAD CATFISH | 0.25 | 1 | 215 | 210 TU | 240 TU | 1004 | 110 | 115 | 1 | 1002 |
| STRIPE BASS | 3.60 | 5 | 405 | 300 TU | 330 TU | 334 | 120 | 125 | 1 | 172 |
| SKIPJACK TERNING | 1.05 | 3 | 354 | 180 TU | 210 TU | 334 | 35 | 40 | 1 | 332 |
| BLUEGILL SUNFISH | 0.40 | 10 | 185 | 120 TU | 150 TU | 704 | 35 | 40 | 3 | 302 |
| LARGEMOUTH SUNFISH | 0.02 | 1 | 75 | 80 TU | 90 TU | 1002 | 5 | 10 | 1 | 1002 |
| LARGEMOUTH BASS | 0.45 | 1 | 285 | 240 TU | 270 TU | 1004 | 195 | 200 | 1 | 1002 |

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