

07/20/82

SAMPLE NUMBER	INCLUSIVE TIME	NET WEIGHT	W SCREENS	NUMBER OF CIRCULATING PUMPS IN OPERATION	24 HOUR TOTAL	24 HOUR TOTAL *
1451000292	12:45:12-12:45:18	1.0047	10	2	750	15.0 LBS

INCLUSIVE YEAR	EXCLUSIVE YEAR	NUMBER OF CIRCULATING PUMPS IN OPERATION	24 HOUR TOTAL	24 HOUR TOTAL *
1934	1935	750	750	750
1935	1936	750	750	750
1936	1937	750	750	750
1937	1938	750	750	750
1938	1939	750	750	750
1939	1940	750	750	750
1940	1941	750	750	750
1941	1942	750	750	750
1942	1943	750	750	750
1943	1944	750	750	750
1944	1945	750	750	750
1945	1946	750	750	750
1946	1947	750	750	750
1947	1948	750	750	750
1948	1949	750	750	750
1949	1950	750	750	750
1950	1951	750	750	750
1951	1952	750	750	750
1952	1953	750	750	750
1953	1954	750	750	750
1954	1955	750	750	750
1955	1956	750	750	750
1956	1957	750	750	750
1957	1958	750	750	750
1958	1959	750	750	750
1959	1960	750	750	750
1960	1961	750	750	750
1961	1962	750	750	750
1962	1963	750	750	750
1963	1964	750	750	750
1964	1965	750	750	750
1965	1966	750	750	750
1966	1967	750	750	750
1967	1968	750	750	750
1968	1969	750	750	750
1969	1970	750	750	750
1970	1971	750	750	750
1971	1972	750	750	750
1972	1973	750	750	750
1973	1974	750	750	750
1974	1975	750	750	750
1975	1976	750	750	750
1976	1977	750	750	750
1977	1978	750	750	750
1978	1979	750	750	750
1979	1980	750	750	750
1980	1981	750	750	750
1981	1982	750	750	750
1982	1983	750	750	750
1983	1984	750	750	750
1984	1985	750	750	750
1985	1986	750	750	750
1986	1987	750	750	750
1987	1988	750	750	750
1988	1989	750	750	750
1989	1990	750	750	750
1990	1991	750	750	750
1991	1992	750	750	750
1992	1993	750	750	750
1993	1994	750	750	750
1994	1995	750	750	750
1995	1996	750	750	750
1996	1997	750	750	750
1997	1998	750	750	750
1998	1999	750	750	750
1999	2000	750	750	750
2000	2001	750	750	750
2001	2002	750	750	750
2002	2003	750	750	750
2003	2004	750	750	750
2004	2005	750	750	750
2005	2006	750	750	750
2006	2007	750	750	750
2007	2008	750	750	750
2008	2009			

	SPECIES 2+ MM	TOTAL COUNT	MAXIMUM LENGTH(MM)	MUODAL LENGTH(MM)	X	MUODAL WEIGHT(GW)	X
SECTES 2+ MM		105.	207	150 TO 160	87A	25 TO 30	27A
CWS GW7719							

[illegible]

1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	23
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JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
0.97	10.	176	6 C Y U	90	E F
					F O R
					S T U
					10
					2

[illegible][illegible][illegible][illegible]

100
 90
 80
 70
 60
 50
 40
 30
 20
 10
 0

[illegible][illegible]

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

8208030530 820726
PDR ADCK 05000313
PDR

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 07/20/82

SAMPLE TAKEN: 08-04-82
INCLUSIVE TIME: 12:00 AM TO 12:00 PM
OF SAMPLE: 124 HRS
INLET WATERBOX TEMPERATURE: 74 F
SCREENS WASHED: 8
NUMBER OF CIRCULATING PUMPS IN OPERATION: 2
24 HOUR TOTAL SAMPLE COUNT: 614
24 HOUR TOTAL # SAMPLE WEIGHT: 38.0 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL WEIGHT (GN)	#	%
WILLYARD SHAD	11.06	177	212	150 TO 180	18	67%	20 TO 25	9	33%
FRESHWATER DRUM	20.69	579	218	90 TO 120	18	58%	10 TO 15	14	45%
BLUEGILL SUNFISH	1.22	12	166	120 TO 150	7	58%	10 TO 15	2	17%
CHANNEL CATFISH	2.44	34	289	150 TO 180	12	40%	30 TO 35	6	23%
WHITE BASS	2.09	4	367	180 TO 210	1	25%	100 TO 105	1	25%
WHITE CRAPPIE	0.38	1	245	240 TO 270	1	100%	170 TO 175	1	100%
LONGEAR SUNFISH	0.04	1	90	60 TO 90	1	100%	15 TO 20	1	100%
GREEN SUNFISH	0.02	1	79	60 TO 90	1	100%	5 TO 10	1	100%
GOLDEN SHINER	0.03	3	83	60 TO 90	3	100%	0 TO 5	2	67%
BLACK BULLHEAD	0.02	1	92	90 TO 120	1	100%	5 TO 10	1	100%
MOUTH	0.02	1	77	60 TO 90	1	100%	5 TO 10	1	100%

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

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 07/20/82

SAMPLE TAKEN: 06-08-82

INCLUSIVE TIME

INLET WATERBOX

SCREENS

NUMBER OF CIRCULATING

24 HOUR TOTAL

24 HOUR TOTAL *

OF SAMPLE: 124 HRS

TEMPERATURE: 77 F

WASHED: 8

PUMPS IN OPERATION: 4

SAMPLE COUNT: 1290

SAMPLE WEIGHT: 54.7 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL WEIGHT (GK)	#	%
GIZZARD SHAD	11.50	201.	214	150 TO 180	22	81%	20 TO 25	9	33%
FRESHWATER DRUM	30.50	961.	242	90 TO 120	16	46%	10 TO 15	22	63%
BLUE CATFISH	0.68	5.	290	90 TO 120	1	20%	5 TO 10	2	40%
CHANNEL CATFISH	3.31	60.	870	90 TO 120	8	31%	10 TO 15	11	42%
BLUEGILL SUNFISH	4.00	38.	172	120 TO 150	15	58%	45 TO 50	4	15%
WHITE BASS	2.39	12.	365	30 TO 60	7	58%	0 TO 5	7	58%
STRIPED BASS	1.53	3.	310	270 TO 300	2	67%	200 TO 205	1	33%
LONGEAR SUNFISH	0.42	4.	135	120 TO 150	3	75%	35 TO 40	2	50%
ORANGE SPOTTED SUNFISH	0.02	1.	75	60 TO 90	1	100%	5 TO 10	1	100%
GREEN SUNFISH	0.14	2.	150	30 TO 60	1	50%	0 TO 5	1	50%
GOLDEN SHINER	0.01	2.	77	60 TO 90	2	100%	0 TO 5	2	100%
WHITE CHAPPIE	-0.21	1.	223	210 TO 240	1	100%	90 TO 95	1	100%

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

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 07/20/82

SAMPLE TAKEN: 06-11-82

INCLUSIVE TIME INLET WATERBOX # SCREENS NUMBER OF CIRCULATING 24 HOUR TOTAL 24 HOUR TOTAL *
OF SAMPLE: 24 HRS TEMPERATURE: 77 F WASHED: 0 PUMPS IN OPERATION: 4 SAMPLE COUNT: 2300 SAMPLE WEIGHT: 238.1 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM) # %	MODAL WEIGHT (GM) # %
FRESHWATER DRUM	58.62	1989.	215	90 TO 120 39 62%	10 TO 15 44 70%
GIZZARD SHAD	15.28	276.	225	150 TO 180 43 63%	20 TO 25 17 33%
CHANNEL CATFISH	2.82	60.	238	120 TO 150 17 45%	10 TO 15 13 34%
BLUE CATFISH	1.76	11.	330	90 TO 120 2 29%	10 TO 15 2 29%
WHITE BASS	4.29	11.	363	30 TO 60 2 29%	0 TO 5 2 29%
BLUEGILL SUNFISH	0.38	5.	162	60 TO 90 1 33%	5 TO 10 1 33%
WHITE CRAPPIE	0.37	5.	230	120 TO 150 1 33%	30 TO 35 2 67%
GREEN SUNFISH	0.03	3.	70	30 TO 60 1 50%	0 TO 5 1 50%
LONGEAK SUNFISH	0.14	2.	124	120 TO 150 1 100%	35 TO 40 1 100%
MOUTH	0.02	2.	74	60 TO 90 1 100%	5 TO 10 1 100%
SKIPJACK HERRING	0.75	2.	340	330 TO 360 1 100%	210 TO 215 1 100%
BLACK BULLHEAD	0.03	2.	102	90 TO 120 1 100%	5 TO 10 1 100%

* TOTAL SAMPLE WT. INCLUDES 153.6 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 07/20/82

SAMPLE TAKEN 06-15-82

INLET WATERBOX
TEMPERATURE 78.5

NUMBER OF CIRCULATING 24 HOUR TOTAL
PUMPS IN OPERATION: 8 SAMPLE COUNT: 1707

24 HOUR TOTAL *
SAMPLE WEIGHT: 78.1 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	X	MODAL WEIGHT(GM)	#	Z
FRESHWATER DRUM	38.56	1079.	161	90 TO 120	17	47%	10 TO 15	19	53%
GILZARD SHAD	29.50	553.	212	150 TO 180	24	77%	20 TO 25	10	32%
CHANNEL CATFISH	3.50	89.	209	150 TO 180	11	42%	25 TO 30	6	23%
BLUE CATFISH	2.05	23.	260	180 TO 210	8	35%	5 TO 10	3	13%
BLUEGILL SUNFISH	0.41	4.	160	80 TO 90	1	25%	0 TO 5	1	25%
LONGEAM SUNFISH	0.23	2.	140	120 TO 150	2	100%	45 TO 50	1	50%
WHITE BASS	2.53	12.	349	210 TO 240	3	25%	0 TO 5	4	33%
STRIPED BASS	0.66	1.	320	300 TO 330	1	100%	295 TO 300	1	100%
WHITE CRAPPIE	0.14	3.	130	120 TO 150	3	100%	15 TO 20	2	67%
SKIPJACK HERRING	0.49	1.	346	330 TO 360	1	100%	215 TO 220	1	100%

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

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 07/20/82

SAMPLE TAKEN: 0618-82

INCLUSIVE TIME: 12:00 HRS
INLET WATERBOX: 77 F
SCREENS: 8
NUMBER OF CIRCULATING: 24 HOUR TOTAL
PUMPS IN OPERATION: 8
SAMPLE COUNT: 2026
24 HOUR TOTAL *
SAMPLE HEIGHT: 84.1 LBS

SPECIES NAME	SPECIES 24 HR TOTAL HEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	#	MODAL HEIGHT (MM)	#	#
GILZAND SHAD	27.01	538.	217	150 TO 180	21	882	15 TO 20	11	352
FRESHWATER DRUM	48.13	1371.	197	90 TO 120	20	514	10 TO 15	18	462
CANAL CATFISH	2.94	75.	185	120 TO 150	11	424	10 TO 15	9	352
BLUE CATFISH	0.56	10.	202	120 TO 150	3	302	10 TO 15	2	202
WHITE BASS	3.21	21.	400	30 TO 60	10	482	0 TO 5	14	872
BLUEGILL SUNFISH	0.64	5.	188	120 TO 150	2	402	40 TO 45	2	402
GREEN SUNFISH	0.34	1.	190	180 TO 210	1	1004	150 TO 155	1	1002
WHITE CHAPPIE	0.49	4.	220	210 TO 240	2	502	0 TO 5	1	252

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

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 07/20/82

SAMPLE TAKEN 06-22-82

INCLUSIVE TIME 124 HRS INLET WATERBOX TEMPERATURE 77 F # SCREENS WASHED 8 NUMBER OF CIRCULATING PUMPS IN OPERATION 4 24 HOUR TOTAL SAMPLE COUNT 1303 24 HOUR TOTAL * SAMPLE WEIGHT 84.6 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GM)	#	%
LONGNOSE GAR	0.04	1.	200	180 TU 210	1	100%	15 TU 20	1	100%
GILZARD SHAD	23.38	456.	255	150 TU 180	22	73%	15 TU 20	16	53%
FRESHWATER DRUM	26.81	749.	327	90 TU 120	17	52%	10 TU 15	18	55%
BLUE CATFISH	2.39	9.	425	180 TU 210	5	56%	50 TU 55	2	22%
CHANNEL CATFISH	2.00	39.	234	120 TU 150	11	42%	10 TU 15	8	31%
WHITE BASS	3.42	25.	360	60 TU 90	14	56%	0 TU 5	16	64%
STRIPED BASS	1.70	2.	374	270 TU 300	1	50%	235 TU 240	1	50%
BLUEGILL SUNFISH	0.87	8.	166	120 TU 150	5	63%	35 TU 40	3	38%
WHITE CRAPPIE	1.06	5.	277	180 TU 210	2	40%	20 TU 25	1	20%
LONGEAR SUNFISH	0.34	4.	130	90 TU 120	2	50%	20 TU 25	1	25%
GREEN SUNFISH	0.11	1.	140	120 TU 150	1	100%	50 TU 55	1	100%
GOLDEN SHINER	0.01	1.	67	60 TU 90	1	100%	0 TU 5	1	100%
LARGEMOUTH BASS	0.50	3.	204	180 TU 210	2	67%	50 TU 55	1	33%

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

ARKANSAS POWER & LIGHT COMPANY AND SCREEN MONITORING

RUN DATE: 07/20/82

SAMPLE TAKEN: 063000Z

INCLUSIVE TIME: INLET WATERBOX
DP SAMPLE: 1200 HRS

SCREENS
WASHED: 0

NUMBER OF CIRCULATING
PUMPS IN OPERATION: 4

24 HOUR TOTAL
SAMPLE COUNT: 595

24 HOUR TOTAL
SAMPLE WEIGHT: 30.9 LBS

SPECIES NAME

SPECIES 24 HR
TOTAL WEIGHT (LBS)

SPECIES 24 HR
TOTAL COUNT

MAXIMUM
LENGTH (MM)

MODAL
LENGTH (MM)

#

MODAL
WEIGHT (G)

#

GILZAND SHAD

10.13

182

353

150 TO 180

16

67%

20 TO 25

9

33%

FRESHWATER DRUM

12.94

355

288

120 TO 150

14

48%

10 TO 15

10

30%

CHANNEL CATFISH

2.88

45

243

120 TO 150

10

36%

10 TO 15

9

35%

BLUE CATFISH

0.48

4

230

210 TO 240

2

50%

20 TO 25

1

25%

WHITE BASS

2.88

15

325

30 TO 60

4

25%

0 TO 5

8

50%

STRIPED BASS

0.24

1

30

30 TO 60

1

100%

245 TO 250

1

100%

WHITE CHARRIE

0.88

5

282

30 TO 60

1

20%

0 TO 5

1

20%

BLUEGILL SUNFISH

0.24

3

127

120 TO 150

3

100%

30 TO 35

2

67%

LONGEAM SUNFISH

0.19

2

129

120 TO 150

2

100%

35 TO 40

1

50%

ORANGE SPOTTED 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.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 07/20/82

SAMPLE TAKEN: 060249Z

INCLUSIVE TIME: 1401 WATERBOX
OF SAMPLE: 124 HRS TEMPERATURE: 77 F

SCREENS
WASHED: 0

NUMBER OF CIRCULATING
PUMPS IN OPERATION: 2

24 HOUR TOTAL
SAMPLE COUNT: 750

35.0 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	MODAL WEIGHT (GM)	#
GIZZARD SHAD	0.50	105.	207	150 TO 160	18	67A	20 TO 25 10 372
FRESHWATER DRUM	24.75	593.	293	90 TO 120	19	61A	10 TO 15 15 482
CHANNEL CATFISH	1.45	30.	228	90 TO 120	9	30A	10 TO 15 8 272
BLUEGILL SUNFISH	0.67	10.	178	60 TO 90	4	40A	5 TO 10 2 20A
LONGEAK SUNFISH	0.11	2.	122	60 TO 90	1	50A	10 TO 15 1 50A
SAUGER	0.01	1.	85	60 TO 90	1	100A	0 TO 5 1 100A
GOLDEN SHINER	0.02	2.	90	60 TO 90	2	100A	0 TO 5 2 100A
WHITE BASS	0.05	3.	290	30 TO 60	1	33A	0 TO 5 1 33A
WHITE CRAPPIE	0.10	2.	152	90 TO 120	1	50A	10 TO 15 1 50A
GREEN SUNFISH	0.01	1.	54	30 TO 60	1	100A	0 TO 5 1 100A
BLUE CATFISH	0.02	1.	109	90 TO 120	1	100A	5 TO 10 1 100A

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

SAMPLE TAKEN: 06:04:52

INCLUSIVE TIME

INLET WATERBOX

SCREENS

NUMBER OF CIRCULATING

24 HOUR TOTAL

24 HOUR TOTAL #

OF SAMPLE: 24 HRS

TEMPERATURE: 74 F

WASHED: 8

PUMPS IN OPERATION: 2

SAMPLE COUNT: 614

SAMPLE WEIGHT: 38.0 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL WEIGHT (GN)	#	%
GIZZARD SHAD	11.06	177.	212	150 TU 180	18	67%	20 TU 25	9	33%
FRESHWATER DRUM	20.69	579.	218	90 TU 120	18	58%	10 TU 15	14	45%
BLUEGILL SUNFISH	1.22	12.	166	120 TU 150	7	58%	10 TU 15	2	17%
CHANNEL CATFISH	2.44	34.	289	150 TU 180	12	46%	30 TU 35	6	23%
WHITE BASS	2.09	4.	367	180 TU 210	1	25%	300 TU 105	1	25%
WHITE CRAPPIE	0.38	1.	245	240 TU 270	1	100%	170 TU 175	1	100%
LONGEAR SUNFISH	0.04	1.	90	60 TU 90	1	100%	15 TU 20	1	100%
GREEN SUNFISH	0.02	1.	79	60 TU 90	1	100%	5 TU 10	1	100%
GOLDEN SHINER	0.03	3.	83	60 TU 90	3	100%	0 TU 5	2	67%
BLACK BULLHEAD	0.02	1.	92	90 TU 120	1	100%	5 TU 10	1	100%
MARMOUTH	0.02	1.	77	60 TU 90	1	100%	5 TU 10	1	100%

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

SAMPLE TAKEN: 06-08-82

INCLUSIVE TIME

INLET WATERBOX

SCREENS

NUMBER OF CIRCULATING

24 HOUR TOTAL

24 HOUR TOTAL *

OF SAMPLE: 24 HRS

TEMPERATURE: 77 F

WASHED: 6

PUMPS IN OPERATION: 4

SAMPLE COUNT: 1490

SAMPLE WEIGHT: 54.7 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	TOTAL WEIGHT (GN)	#	%
Gizzard Shad	11.50	201.	214	150 TO 180	22	81%	20 TO 25	9	33%
FRESHWATER DRUM	30.50	451.	242	90 TO 120	16	46%	10 TO 15	22	63%
BLUE CATFISH	0.68	5.	290	90 TO 120	1	20%	5 TO 10	2	40%
CHANNEL CATFISH	3.31	60.	870	90 TO 120	8	31%	10 TO 15	11	42%
BLUEGILL SUNFISH	4.00	38.	172	120 TO 150	15	58%	45 TO 50	4	15%
WHITE BASS	2.39	12.	365	30 TO 60	7	58%	0 TO 5	7	58%
STRIPED BASS	1.53	3.	310	270 TO 300	2	67%	200 TO 205	1	33%
LYNGEAR SUNFISH	0.42	4.	135	120 TO 150	3	75%	35 TO 40	2	50%
ORANGE SPOTTED SUNFISH	0.02	1.	75	60 TO 90	1	100%	5 TO 10	1	100%
GREEN SUNFISH	0.14	2.	150	30 TO 60	1	50%	0 TO 5	1	50%
GOLDEN SHINER	0.01	2.	77	60 TO 90	2	100%	0 TO 5	2	100%
WHITE CRAPPIE	0.21	1.	223	210 TO 240	1	100%	90 TO 95	1	100%

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

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 07/20/82

SAMPLE TAKEN: 06-11-82

INCLUSIVE TIME INLET WATERBOX # SCREENS NUMBER OF CIRCULATING 24 HOUR TOTAL 24 HOUR TOTAL #
OF SAMPLE: 24 HRS TEMPERATURE: 77 F WASHED: 8 PUMPS IN OPERATION: 4 SAMPLE COUNT: 2300 SAMPLE WEIGHT: 238.1 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL WEIGHT (GM)	#	%
FRESHWATER DRUM	58.62	1489.	215	90 TO 120	39	62%	10 TO 15	44	70%
GIZZARD SHAD	15.26	276.	225	150 TO 180	43	63%	20 TO 25	17	33%
CHANNEL CATFISH	2.82	60.	238	120 TO 150	17	45%	10 TO 15	13	34%
BLUE CATFISH	1.76	11.	330	90 TO 120	2	29%	10 TO 15	2	29%
WHITE BASS	4.29	11.	363	30 TO 60	2	29%	0 TO 5	2	29%
BLUEGILL SUNFISH	0.38	5.	162	60 TO 90	1	33%	5 TO 10	1	33%
WHITE CRAPPIE	0.57	5.	230	120 TO 150	1	33%	30 TO 35	2	67%
GREEN SUNFISH	0.03	3.	70	30 TO 60	1	50%	0 TO 5	1	100%
LONGEAR SUNFISH	0.14	2.	124	120 TO 150	1	100%	35 TO 40	1	100%
WARMOUTH	0.02	2.	74	60 TO 90	1	100%	5 TO 10	1	100%
SKIPJACK HERRING	0.75	2.	340	330 TO 360	1	100%	210 TO 215	1	100%
BLACK BULLHEAD	0.03	2.	102	90 TO 120	1	100%	5 TO 10	1	100%

* TOTAL SAMPLE WT. INCLUDES 153.6 LBS OF DEBRIS ACCUMULATION.

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 07/20/82

SAMPLE TAKEN 06-15-82

INCLUSIVE TIME INLET WATERBOX
OF SAMPLE 124 HRS TEMPERATURE: 78 F

SCREENS
WASHED: 6

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

1/07 24 HOUR TOTAL *
SAMPLE HEIGHT: 78.1 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	X	MODAL HEIGHT (MM)	#	Z
FRESHWATER DRUM	36.56	1079.	161	90 TO 120	17	47%	10 TO 15	19	53%
GIZZARD SHAD	29.50	553.	212	150 TO 180	24	77%	20 TO 25	10	32%
CANNEL CATFISH	3.50	69.	209	150 TO 180	11	42%	25 TO 30	6	23%
BLUE CATFISH	2.05	23.	260	180 TO 210	8	35%	5 TO 10	3	13%
BLUEGILL SUNFISH	0.41	4.	160	60 TO 90	1	25%	0 TO 5	1	25%
LONGEAK SUNFISH	0.23	2.	140	120 TO 150	2	100%	45 TO 50	1	50%
WHITE BASS	2.53	12.	349	210 TO 240	3	25%	0 TO 5	4	33%
STRIPED BASS	0.66	1.	320	300 TO 330	1	100%	295 TO 300	1	100%
WHITE CRAPPIE	0.14	3.	130	120 TO 150	3	100%	15 TO 20	2	67%
SKIPJACK HERRING	0.49	1.	346	330 TO 360	1	100%	215 TO 220	1	100%

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

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 07/20/82

SAMPLE TAKEN: 06:18-92

INCLUSIVE TIME: 24 HRS
INLET WATERBOX: 77 F
TEMPERATURE: 77 F
WASHERS: 8
SPECIES: 24 HR
TOTAL COUNT: 538
NUMBER OF CIRCULATING PUMPS IN OPERATION: 4
24 HOUR TOTAL SAMPLE COUNT: 2026
24 HOUR TOTAL SAMPLE WEIGHT: 84.1 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	MODAL WEIGHT (GM)	#	#
GILBERT SHAD	27.61	538	217	150 TO 180	15 TO 20	11	35%
FRESHWATER DRUM	48.13	1371	197	90 TO 120	10 TO 15	18	46%
CHANNEL CATFISH	2.94	76	185	120 TO 150	10 TO 15	9	35%
BLUE CATFISH	0.58	10	202	120 TO 150	10 TO 15	2	20%
WHITE BASS	3.21	21	400	30 TO 60	0 TO 5	14	67%
BLUEGILL SUNFISH	0.64	5	188	120 TO 150	40 TO 45	2	40%
GREEN SUNFISH	0.34	1	190	180 TO 210	150 TO 155	1	100%
WHITE CRAPPIE	0.49	4	220	210 TO 240	0 TO 5	1	25%

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

SAMPLE TAKEN 06-22-82

INCLUSIVE TIME 124 HRS INLET WATERBOX # SCREENS 8 NUMBER OF CIRCULATING 24 HOUR TOTAL PUMPS IN OPERATION: 4 SAMPLE COUNT: 1303 24 HOUR TOTAL # SAMPLE WEIGHT: 64.6 LBS TEMPERATURE: 77 F WASHED: 8

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(CK)	#	%
LONGNOSE GAR	0.04	1.	200	180 TO 210	1	100%	15 TO 20	1	100%
GIZZARD SHAD	23.38	456.	255	150 TO 180	22	73%	15 TO 20	16	53%
FRESHWATER DRUM	28.81	749.	327	90 TO 120	17	52%	10 TO 15	18	55%
BLUE CATFISH	2.39	9.	425	180 TO 210	5	56%	50 TO 55	2	22%
CHANNEL CATFISH	2.00	39.	234	120 TO 150	11	42%	10 TO 15	8	31%
WHITE BASS	3.42	25.	360	60 TO 90	14	56%	0 TO 5	16	64%
STRIPED BASS	1.70	2.	374	270 TO 300	1	50%	235 TO 240	1	50%
BLUEGILL SUNFISH	0.87	8.	166	120 TO 150	5	63%	35 TO 40	3	38%
WHITE CRAPPIE	1.06	5.	277	180 TO 210	2	40%	20 TO 25	1	20%
LONGEAR SUNFISH	0.34	4.	130	90 TO 120	2	50%	20 TO 25	1	25%
GREEN SUNFISH	0.11	1.	140	120 TO 150	1	100%	50 TO 55	1	100%
GOLDEN SHINER	0.01	1.	67	60 TO 90	1	100%	0 TO 5	1	100%
LARGEMOUTH BASS	0.50	3.	204	180 TO 210	2	67%	50 TO 55	1	33%

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

SAMPLE TAKEN: 0825092

SAMPLE INCLUSIVE TIME: 12.38
INLET WATERBOX TEMPERATURE: 79 F
SCREENS WASHED: 8
NUMBER OF CIRCULATING PUMPS IN OPERATION: 4
24 HOUR TOTAL SAMPLE COUNT: 840
24 HOUR TOTAL SAMPLE WEIGHT: 35.4 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MUDDAL LENGTH (MM)	%	MUDDAL WEIGHT (GR)	%
GIZZARD SHAD	12.38	217	210	150 TO 180	17	634	20 TO 25 8 30%
FRESHWATER DRUM	13.50	346	203	90 TO 120	15	524	10 TO 15 14 48%
CHANNEL CATFISH	2.25	40	235	120 TO 150	11	424	10 TO 15 7 27%
BLUE CATFISH	0.50	7	205	150 TO 180	3	434	35 TO 40 2 29%
WHITE BASS	4.04	21	345	60 TO 90	6	294	0 TO 5 7 33%
BLUEGILL SUNFISH	0.24	3	139	120 TO 150	2	674	25 TO 30 1 33%
LONGNOSE GAR	0.13	3	205	180 TO 210	3	1004	15 TO 20 2 67%
LONGEAK SUNFISH	0.25	2	142	120 TO 150	2	1004	40 TO 45 1 50%
STRIPED BASS	0.49	1	302	300 TO 330	1	1004	215 TO 220 1 100%
EUROPEAN CARP	0.01	1	55	30 TO 60	1	1004	0 TO 5 1 100%
LARGEMOUTH BASS	0.01	1	66	60 TO 90	1	1004	0 TO 5 1 100%
WHITE CRAPPIE	-0.59	3	229	180 TO 210	2	674	60 TO 65 1 33%
THREADFIN SHAD	0.07	1	152	150 TO 180	1	1004	30 TO 35 1 100%

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

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 07/20/82

SAMPLE TAKEN: 063042

INCLUSIVE TIME OF SAMPLE: 124 HRS INLET WATERBOX TEMPERATURE: 80 F # SCREENS WASHED: 0 NUMBER OF CIRCULATING PUMPS IN OPERATION: 4 24 HOUR TOTAL SAMPLE COUNT: 595 24 HOUR TOTAL * SAMPLE WEIGHT: 30.9 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	X	MODAL WEIGHT (GM)	#	Z
GILZARD SHAD	10.13	162.	353	150 TU 180	18	672	20 TU 25	9	332
FRESHWATER DRUM	12.94	336.	288	120 TU 150	14	482	10 TU 15	10	302
CHANNEL CATFISH	2.88	45.	243	120 TU 150	10	382	10 TU 15	9	352
BLUE CATFISH	0.48	4.	230	210 TU 240	2	502	20 TU 25	1	252
MUL BASS	2.88	16.	325	30 TU 60	4	252	0 TU 5	8	502
STRIPED BASS	0.54	1.	30	30 TU 60	1	1002	245 TU 250	1	1002
WHITE CRAPPIE	0.88	5.	282	30 TU 60	1	202	0 TU 5	1	202
BLUEGILL SUNFISH	0.24	3.	127	120 TU 150	3	1002	30 TU 35	2	672
LONGEAM SUNFISH	0.19	2.	124	120 TU 150	2	1002	35 TU 40	1	502
ORANGE SPOTTED SUNFISH	0.01	1.	58	30 TU 60	1	1002	0 TU 5	1	1002

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

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 07/20/62

SAMPLE TAKEN: 06-02-62

INCLUSIVE TIME 14:00 WATERBOX # SCREENS NUMBER OF CIRCULATING 24 HOUR TOTAL * 24 HOUR TOTAL *
OF SAMPLE 124 HRS TEMPERATURE 77 F WASHED: 0 PUMPS IN OPERATION: 2 SAMPLE COUNT: 750 SAMPLE WEIGHT: 35.0 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GM)	#	%
GILZARD SHAD	0.50	105.	207	150 TO 180	18	67%	20 TO 25	10	37%
FRESHWATER DRUM	24.75	593.	293	90 TO 120	19	61%	10 TO 15	15	48%
CHANNEL CATFISH	1.45	30.	226	90 TO 120	9	30%	10 TO 15	8	27%
BLUESILL SUNFISH	0.87	10.	178	60 TO 90	4	40%	5 TO 10	2	20%
LONGEAR SUNFISH	0.11	2.	122	60 TO 90	1	50%	10 TO 15	1	50%
SAUGER	0.01	1.	65	60 TO 90	1	100%	0 TO 5	1	100%
GOLDEN SHINER	0.02	2.	90	60 TO 90	2	100%	0 TO 5	2	100%
WHITE BASS	0.05	3.	290	30 TO 60	1	33%	0 TO 5	1	33%
WHITE CRAPPIE	0.10	2.	152	90 TO 120	1	50%	10 TO 15	1	50%
GREEN SUNFISH	0.01	1.	54	30 TO 60	1	100%	0 TO 5	1	100%
BLUE CATFISH	0.02	1.	109	90 TO 120	1	100%	5 TO 10	1	100%

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

SAMPLE TAKEN: 06:04:52

INLET WATERBOX
TEMPERATURE: 74 F

NUMBER OF CIRCULATING
PUMPS IN OPERATION: 2

24 HOUR TOTAL
SAMPLE COUNT: 814

24 HOUR TOTAL
SAMPLE WEIGHT: 38.0 LBS

SPECIES NAME SPECIES 24 HR
TOTAL WEIGHT (LBS)

SPECIES 24 HR
TOTAL COUNT

MAXIMUM
LENGTH (MM)

MODAL
LENGTH (MM)

MODAL
WEIGHT (GM)

#

GILZARD SHAD 11.00

177.

212

150 TU

18

674

20 TU

25

9

532

FRESHWATER DRUM 20.69

579.

216

90 TU

18

582

10 TU

15

14

452

BLUEGILL SUNFISH 1.22

12.

166

120 TU

7

582

10 TU

15

2

172

CHANNEL CATFISH 2.00

34.

289

150 TU

12

462

30 TU

35

6

232

WHITE BASS 2.09

4.

367

180 TU

1

252

100 TU

105

1

252

WHITE CRAPPIE 0.38

1.

245

240 TU

1

1002

170 TU

175

1

1002

LONGEAM SUNFISH 0.04

1.

90

60 TU

1

1002

15 TU

20

1

1002

GREEN SUNFISH 0.02

1.

79

60 TU

1

1002

5 TU

10

1

1002

GOLDEN SHINER 0.03

3.

63

60 TU

3

1002

0 TU

5

2

972

BLACK BULLHEAD 0.02

1.

92

90 TU

1

1002

5 TU

10

1

1002

MARMOUTH 0.02

1.

77

60 TU

1

1002

5 TU

10

1

1002

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

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 07/20/62

SAMPLE TAKEN: 06-08-62

INCLUSIVE TIME

INLET WATERBOX

SCREENS

NUMBER OF CIRCULATING

24 HOUR TOTAL

24 HOUR TOTAL #

OF SAMPLE: 124 HRS

TEMPERATURE: 77 F

WASHED: 8

PUMPS IN OPERATION: 8

SAMPLE COUNT: 1290

SAMPLE WEIGHT: 54.7 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL WEIGHT (G)	#	%
GIZZARD SHAD	11.50	201.	214	150 TO 180	22	81%	20 TO 25	9	33%
FRESHWATER DRUM	30.50	961.	242	90 TO 120	16	46%	10 TO 15	22	63%
BLUE CATFISH	0.68	5.	290	90 TO 120	1	20%	5 TO 10	2	40%
CHANNEL CATFISH	3.31	60.	870	90 TO 120	8	31%	10 TO 15	11	42%
BLUEGILL SUNFISH	4.00	38.	172	120 TO 150	15	58%	45 TO 50	4	15%
WHITE BASS	2.39	12.	365	30 TO 60	7	56%	0 TO 5	7	58%
STRIPED BASS	1.53	3.	310	270 TO 300	2	67%	200 TO 205	1	33%
LYNGEAR SUNFISH	0.42	4.	135	120 TO 150	3	75%	35 TO 40	2	50%
ORANGE SPOTTED SUNFISH	0.02	1.	75	60 TO 90	1	100%	5 TO 10	1	100%
GREEN SUNFISH	0.14	2.	150	30 TO 60	1	50%	0 TO 5	1	50%
GOLDEN SHINER	0.01	2.	77	60 TO 90	2	100%	0 TO 5	2	100%
WHITE CHAPPIE	0.21	1.	223	210 TO 240	1	100%	90 TO 95	1	100%

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

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 07/20/82

SAMPLE TAKEN: 06-11-82

INCLUSIVE TIME INLET WATERBOX # SCREENS NUMBER OF CIRCULATING 24 HOUR TOTAL 24 HOUR TOTAL #
OF SAMPLE: 24 HRS TEMPERATURE: 77 F WASHED: 0 PUMPS IN OPERATION: 4 SAMPLE COUNT: 2300 SAMPLE WEIGHT: 238.1 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM) # %	MODAL WEIGHT (GM) # %
FRESHWATER DRUM	58.62	1989.	216	90 TO 120 39 62%	10 TO 15 44 70%
GIZZARD SHAD	15.28	276.	225	150 TO 180 43 83%	20 TO 25 17 33%
CHANNEL CATFISH	2.82	60.	238	120 TO 150 17 45%	10 TO 15 13 34%
BLUE CATFISH	1.76	11.	330	90 TO 120 2 29%	10 TO 15 2 29%
WHITE BASS	4.29	11.	363	30 TO 60 2 29%	0 TO 5 2 29%
BUEGILL SUNFISH	0.38	5.	162	60 TO 90 1 33%	5 TO 10 1 33%
WHITE CRAPPIE	0.37	5.	230	120 TO 150 1 33%	30 TO 35 2 67%
GREEN SUNFISH	0.03	3.	70	30 TO 60 1 50%	0 TO 5 1 50%
LONGEAM SUNFISH	0.14	2.	124	120 TO 150 1 100%	35 TO 40 1 100%
WARMOUTH	0.02	2.	74	60 TO 90 1 100%	5 TO 10 1 100%
SKIPJACK HERRING	0.75	2.	340	330 TO 360 1 100%	210 TO 215 1 100%
BLACK BULLHEAD	0.03	2.	102	90 TO 120 1 100%	5 TO 10 1 100%

* TOTAL SAMPLE WT. INCLUDES 153.6 LBS OF DEBRIS ACCUMULATION.

SAMPLE TAKEN: 06-15-92

INLET WATERBOX
INLET TEMPERATURE: 78 F

* SCREENS
WASHED: 0

NUMBER OF CIRCULATING
PUMPS IN OPERATION: 4

24 HOUR TOTAL
SAMPLE COUNT: 1707

24 HOUR TOTAL *
SAMPLE WEIGHT: 70.1 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	* X	MODAL WEIGHT (GPH)	* Z
FRESHWATER DRUM	38.56	1079.	181	90 TO 120	17	10 TO 15	19 53%
GIZZARD SHAD	29.50	553.	212	150 TO 180	24	20 TO 25	10 32%
CHANNEL CATFISH	3.50	89.	209	150 TO 180	11	25 TO 30	6 23%
BLUE CATFISH	2.05	23.	260	180 TO 210	8	5 TO 10	3 13%
BLUEGILL SUNFISH	0.41	4.	160	60 TO 90	1	0 TO 5	1 25%
LONGEAR SUNFISH	0.23	2.	140	120 TO 150	2	45 TO 50	1 50%
WHITE BASS	2.53	12.	349	210 TO 240	3	0 TO 5	4 33%
STRIPED BASS	0.66	1.	320	300 TO 330	1	295 TO 300	1 100%
WHITE CRAPPIE	0.14	3.	130	120 TO 150	3	15 TO 20	2 67%
SKIPJACK MENHADEN	0.49	1.	340	330 TO 360	1	215 TO 220	1 100%

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

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 07/20/82

SAMPLE TAKEN 06-18-82

INCLUSIVE TIME 12:24 HRS INLET WATERBOX 77 F # SCREENS 24 HR NUMBER OF CIRCULATING 24 HOUR TOTAL 24 HOUR TOTAL *
OF SAMPLE: 24 HRS TEMPERATURE 77 F RASTED: 0 PUMPS IN OPERATION: 4 SAMPLE COUNT: 2020 SAMPLE HEIGHT: 84.1 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	MODAL WEIGHT (GM)	#
GILTED SHAD	27.01	538.	217	150 TO 180	21	15 TO 20	11
FRESHWATER DRUM	48.13	1371.	197	90 TO 120	20	10 TO 15	18
CHANNEL CATFISH	2.94	76.	185	120 TO 150	11	10 TO 15	9
BLUE CATFISH	0.56	10.	202	120 TO 150	3	10 TO 15	2
WHITE BASS	3.21	21.	400	30 TO 60	10	0 TO 5	10
BLUEGILL SUNFISH	0.64	5.	188	120 TO 150	2	40 TO 45	2
GREEN SUNFISH	0.34	1.	190	160 TO 210	1	150 TO 155	1
WHITE CRAPPIE	0.49	4.	220	210 TO 240	2	0 TO 5	1

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

ARKANSAS POWER & LIGHT COMPANY
AND SCREEN MONITORING

RUN DATE: 07/20/82

SAMPLE TAKEN: 06-22-82

INCLUSIVE TIME
OF SAMPLE: 124 HRS

INLET WATERBOX
TEMPERATURE: 77 F

SCREENS
WASHED: 8

NUMBER OF CIRCULATING
PUMPS IN OPERATION: 4

24 HOUR TOTAL
SAMPLE COUNT: 1303

24 HOUR TOTAL #
SAMPLE WEIGHT: 64.6 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MODAL LENGTH (MM)	#	%	MODAL WEIGHT (GM)	#	%
LONGNOSE GAR	0.04	1.	200	180 TO 210	1	100%	15 TO 20	1	100%
GIZZARD SHAD	23.38	456.	255	150 TO 180	22	73%	15 TO 20	16	53%
FRESHWATER DRUM	28.61	749.	327	90 TO 120	17	52%	10 TO 15	16	55%
BLUE CATFISH	2.39	9.	425	180 TO 210	5	56%	50 TO 55	2	22%
CHANNEL CATFISH	2.00	39.	234	120 TO 150	11	42%	10 TO 15	8	31%
WHITE BASS	3.42	25.	360	80 TO 90	14	56%	0 TO 5	16	64%
STRIPED BASS	1.70	2.	374	270 TO 300	1	50%	235 TO 240	1	50%
BLUEGILL SUNFISH	0.67	8.	166	120 TO 150	5	63%	35 TO 40	3	38%
WHITE CRAPPIE	1.06	5.	277	180 TO 210	2	40%	20 TO 25	1	20%
LONGEAR SUNFISH	0.34	4.	130	90 TO 120	2	50%	20 TO 25	1	25%
GREEN SUNFISH	0.11	1.	140	120 TO 150	1	100%	50 TO 55	1	100%
GOLDEN SHINER	0.01	1.	67	60 TO 90	1	100%	0 TO 5	1	100%
LARGEMOUTH BASS	0.50	3.	204	180 TO 210	2	67%	50 TO 55	1	33%

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

SAMPLE TAKEN: 06-25-82

INCLUSIVE TIME

INLET WATERBOX

SCREENS

NUMBER OF CIRCULATING

24 HOUR TOTAL

24 HOUR TOTAL *

OF SAMPLE: 124 HRS

TEMPERATURE: 74 F

WASHED: 8

PUMPS IN OPERATION: 4

SAMPLE COUNT: 640

SAMPLE WEIGHT: 35.4 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT(LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH(MM)	MODAL LENGTH(MM)	#	%	MODAL WEIGHT(GM)	#	%
GILZARD SHAD	12.58	217.	210	150 TO 180	17	63%	20 TO 25	8	30%
FRESHWATER DRUM	13.50	340.	205	90 TO 120	15	52%	10 TO 15	14	48%
CHANNEL CATFISH	2.25	40.	235	120 TO 150	11	42%	10 TO 15	7	27%
BLUE CATFISH	0.50	7.	205	150 TO 180	3	43%	35 TO 40	2	29%
WHITE BASS	4.04	21.	345	60 TO 90	6	29%	0 TO 5	7	33%
BLUEGILL SUNFISH	0.24	3.	139	120 TO 150	2	67%	25 TO 30	1	33%
LONGNOSE GAR	0.13	3.	205	180 TO 210	3	100%	15 TO 20	2	67%
LONGEAK SUNFISH	0.25	2.	142	120 TO 150	2	100%	40 TO 45	1	50%
STRIPED BASS	0.49	1.	302	300 TO 330	1	100%	215 TO 220	1	100%
EUROPEAN CARP	0.01	1.	55	30 TO 60	1	100%	0 TO 5	1	100%
LARGEMOUTH BASS	0.01	1.	68	60 TO 90	1	100%	0 TO 5	1	100%
WHITE CHAPPIE	0.59	3.	229	180 TO 210	2	67%	60 TO 65	1	33%
THREADFIN SHAD	0.07	1.	152	150 TO 180	1	100%	30 TO 35	1	100%

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

SAMPLE TAKEN 063000Z

INCLUSIVE TIME INLET WATERBOX # SCREENS NUMBER OF CIRCULATING 24 HOUR TOTAL 24 HOUR TOTAL *
OF SAMPLE 124 HRS TEMPERATURE 60 F WASHED 0 PUMPS IN OPERATION 4 SAMPLE COUNTS 595 SAMPLE WEIGHTS 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)	#
GILZARD SHAD	10.13	182.	353	150 TU 180	18	20 TU 25	9 33X
FRESHWATER DRUM	12.94	335.	268	120 TU 150	14	10 TU 15	10 34X
CHANNEL CATFISH	2.88	45.	243	120 TU 150	10	10 TU 15	9 35X
BLUE CATFISH	0.48	4.	230	210 TU 240	2	20 TU 25	1 25X
WHITE BASS	2.00	15.	325	30 TU 60	4	0 TU 5	8 50X
STRIPED BASS	0.24	1.	30	30 TU 60	1	245 TU 250	1 100X
WHITE CRAPPIE	0.85	5.	282	30 TU 60	1	0 TU 5	1 20X
BLUEGILL SUNFISH	0.24	3.	127	120 TU 150	3	30 TU 35	2 67X
LONGEAY SUNFISH	0.19	2.	129	120 TU 150	2	35 TU 40	1 50X
ORANGE SPOTTED SUNFISH	0.01	1.	58	30 TU 60	1	0 TU 5	1 100X

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