APPENDIX C

Detroit Edison daily impingement data sheets for the Monroe plant for August 1975.

Detroit Edison
8/1/75

8-1-75 TM, JM

590 rpm Actual
NE S Collectors
N Illuminated

Species	Number Pumped	+ Number Screened	= Total	Percent Pumped	No. Killed by Pumping	Percent Saved	% MORT.
Yellow Perch	434	38	472	91.9	8	90.7	1.8
Gizzard Shad	1938	360	2298	89.6	108	79.6	5.6
Shiners	3373	195	3568	97.5	73	92.5	2.2
Goldfish							
Sheepshead	287	59	346	82.9	19	77.5	6.6
White Bass	808	148	956	84.6	42	80.1	5.2
Smelt							
White Crappie							
Sunfish	1	1	2	50.0		50.0	
Carp							
Alewife							
Rock Bass							
Log Perch	10	5	15	66.7		66.7	
WALLEYE	17	5	22	77.2		77.2	
TR PERCH	5	0	5	100.0		100.0	
Totals	6873	811	7684	89.4	250	86.2	5.6

8-5-75
N(lighted) & S Collectors
590 RPM
G.M. & T.M.

Detroit Edison
8/5/75

Species	Number Pumped +	Number Screened =	Total	Percent Pumped	No. Killed by Pumping	Percent Saved	
Yellow Perch	2102	149	2251	93.38	18		.85
Gizzard Shad	2611	1671	4282	100.97	21		.8
Shiners	719	140	859	83.7	5		.69
Goldfish	2	1	3	66.66	1		50
Sheepshead	478	300	778	61.43	3		.6
White Bass	691	131	822	84.06	9		1.3
Smelt							
White Crappie	2	1	3	66.66	0		—
Sunfish	4	—	4	100	0		
Carp							
Alewife	1	—	1	100	0		
Rock Bass	2	2	4	50	0		
Log Perch	7	4	11	63.63	0		
WALLEYE	41	5	46	89.13	3		7.3
SUCKER	1	—	1	100	0		
TROUT PERCH	17	9	26	65.38	0		
Totals	6678	2413	9091	73.45	60		.89

Detroit Edison
8/6/75

8-6-75
N. (Lighted) & S. Collectors
590 RPM
G.M. & TM.

Species	Number Pumped	+ Number Screened	= Total	Percent Pumped	No. Killed by Pumping	Percent Saved	
Yellow Perch	477	84	561	85.02	12		2.51
Gizzard Shad	1621	328	1949	83.17	18		1.11
Shiners	142	79	221	64.25	17		11.97
Goldfish	1	1	2	50	0		
Sheepshead	195	267	462	42.2	2		1.02
White Bass	333	112	445	74.83	3		.9
Smelt	—	—					
White Crappie							
Sunfish							
Carp							
Alewife							
Rock Bass	4	0	4	100	0		
Log Perch	22	3	25	88	0		
TROUT PERCH	2	3	5	40	0		
WALLEYE	18	2	20	90	1		5.5
BROWNBL CAT	0	1	1	0	0		
Totals	2815	880	3695	76.18	53		1.88

Detroit Edison
8/7/75

8-7-75
W. (lighted) & S. Collectors
590 R.P.M.
GM & T.M

Species	Number Pumped +	Number Screened =	Total	Percent Pumped	No. Killed by Pumping	Percent Saved	
Yellow Perch	135	59	194	69.58	2		1.48
Gizzard Shad	287	244	531	54.04	27		9.4
Shiners	82	95	177	46.32	2		2.43
Goldfish	3	0	3	100	3		100
Sheepshead	98	223	321	30.52	0		0
White Bass	146	117	263	55.5	1		.68
Smelt							
White Crappie	1	1	2	50	1		100
Sunfish	1	2	3	33.33	0		
Carp							
Alewife	0	1	1	0			
Rock Bass	1	1	2	50	0		
Ice Perch	12	5	17	70.58	0		
Walleye	5	2	7	71.42	0		
Sucker	1	0	1	100	0		
Small Mouth Bass	0	1	1	0	0		
Large Mouth Bass	0	1	1	0	0		
Totals	772	752	1524	50.65	36		4.66

Detroit Edison
8/8/75

8-8-75
N. (lighted) & S. Collectors
590 R.P.M
G.M. & T.M.

Species	Number Pumped +	Number Screened =	Total	Percent Pumped	No. Killed by Pumping	Percent Saved	
Yellow Perch	542	164	706	76.77	3		.55
Gizzard Shad	1764	1458	3222	54.74	149		8.4
Shiners	346	372	718	48.18	3		.86
Goldfish		—					
Sheepshead	139	290	429	32.4	5		3.59
White Bass	425	407	832	51.08	0		
Smelt	1	0	1	100	0		
White Crappie							
Sunfish	0	3	3	0			
Carp							
Alewife	0	1	1	0	0		
Rock Bass	1	0	1	100	0		
Log Perch	7	4	11	63.63	1		4.28
WALLEYE	32	2	34	94.1	0		
TROUT PERCH	4	4	8	50	0		
CHANNEL CAT	1	0	1	100	0		
Totals	3262	2705	5967	54.6%	161		4.9

Detroit Edison
8/14/75

DATE 8-14-75 HOUR 0900 WATER TEMP 77°C PUMP RPM Pump [illegible]

SYSTEM OPERATION Basket Count Screen House #1 (all wells)

Perch	Shiners	Alewife	Goldfish	Carp	Trout Perch	Crappie	Sheepshead	White Bass	Gizzard Shad	Sun Fish	Other
50-26 50-20 50-12 40-13 2-20	10-20 20-25 75						5-5-10 15-25 60	10-17 20-5 52	204 1030 25-20 25-50 15		
253									209 ↑*		
									↓*		
TOTAL 1132	300						240	208	836		

COMMENTS:

Happy Anniversary Tony!

* Totals are times 4

SCREEN COUNT: 1 - _____
2 - _____
3 - _____
4 - _____

AIR TEMP - _____ C

TURBIDITY - _____ cm

BAR. PRESS. - _____

WIND - 2-5 mph. N.

PUMP LOST PRIME 23:30 8-18-75
HAS BEEN DOWN

WEATHER CONDITIONS -
Clear & Sunny

CIRC. PUMPS ON:

UNIT 1	UNIT 2	UNIT 3	UNIT 4
3	3	3	1

*Error found by GLFL: Gizzard shad counted = 199, not 209; total = 796, not 836.

Detroit Edison
8/21/75

164

DATE 8-21-75 HOUR _____ WATER TEMP ____ PUMP RPM _____

SYSTEM OPERATION BASKET COUNT SCREEN HOUSE #1 (ALL SCREENS)

Perch	Shiners	Alewife	Goldfish	Carp	Trout Perch	Crappie	Sheepshead	White Bass	Gizzard Shad	Sun Fish	Other
12-25 25-11 25-20 25-15 20-23	20-50 25-		2-2				5-10 18 25-27 30-17 13-25	10-15 20-30 15-25 50-	10 25- 30-50 50-50 75-40 50-100 30-50	1-	W-1
11-13 30-20 20-17 25-20 19-18									50-55		
22- 137-											L-P-1
											GC2-1
					MISSING 2 CHI	LOG PERCH					WALLEYE
TOTAL 548	95		4		3	1	170	165	665	1	1

COMMENTS:

SCREEN COUNT: 1 - _____
2 - _____
3 - _____
4 - _____

AIR TEMP - _____ C

TURBIDITY - _____ cm

BAR. PRESS. - _____

WIND - _____

WEATHER CONDITIONS -

CIRC. PUMPS ON:

UNIT 1	UNIT 2	UNIT 3	UNIT 4
3	3	3	3

Detroit Edison
8/26/75

8-26-75
590 R.P.M.
TM & A.K.
N(illegible) & S Collectors

Species	Number Pumped	+	Number Screened	=	Total	Percent Pumped	No. Killed by Impingement	Percent Killed	
Yellow Perch	301		364		665	45.4	53		13.65
Gizzard Shad	1132		1062		2194	51.6	97		8.52
Shiners	361		281		642	56.3	11		3.04
Goldfish	1		1		2	50.0	—		[illegible]
Sheepshead	270		241		511	52.9	18		6.66
White Bass	282		310		592	47.7	5		1.77
Smelt	1		—		1	100.0	—		
White Crappie									
Sunfish			—						
Carp	1		—		1	100.0	—		
Alewife	3		—		3	100.0	1		33.33
Rock Bass									
Lon Perch	4		—		4	100.0	—		
WU	9		4		13	72.9	1		11.11
CC	2		—		2	100.0	2		100
Totals	2368		2263		4630	51.1	176		7.45

Detroit Edison
8/27/75

8-27-75
590 P.M.
N&S Collectives
TM & A.K.

Species	Number Pumped	+ Number Screened	= Total	Percent Pumped	No. Killed by Pumping	Percent Stun	
Yellow Perch	107	502	609	17.6	9		5.41
Gizzard Shad	483	1311	1,794	26.9	48		9.93
Shiners	119	270	389	30.6	7		5.88
Goldfish	3	1	4	75.0			
Sheepshead	131	160	291	45.0	19		14.5
White Bass	145	535	680	21.3			
Smelt							
White Crappie	—	1	1	0			
Sunfish							
Carp							
Alewife							
Rock Bass	—	1	1	0			
Log Perch	1	2	3	33.4			
T.P	1	1	2	50.0			
W	3	7	10	30.0			
CC	—	2	2	0			
Totals	993	2793	3786	26.2	83		8.4%

8-28-75
590 R.P.M
N&S
TM&A.K

Detroit Edison
8/28/75

Species	Number Pumped	+ Number Screened	= Total	Percent Pumped	No. Killed by Pumping	Percent Saved	
Yellow Perch	217	553	770	28.2	15		6.9%
Gizzard Shad	323	900	1223	26.4	25		7.73
Shiners	59	80	139	42.4	7		11.86
Goldfish	—	1	1	0			
Sheepshead	143	223	366	39.1	7		4.87
White Bass	85	188	273	31.1	3		3.52
Smelt							
White Crappie	—	6	6	—	—		
Sunfish							
Carp							
Alewife							
Rock Bass							
Log Perch	—	1	1	—	—		
W	5	4	9	59.0	—		
CC	—	1	1	—	—		
Totals	832	1957	2789	29.8	57		6.85

8-29-75

Detroit Edison
8/29/75

590 RPM
A K & TM

N & S Collectors

Species	Number Pumped	+ Number Screened	= Total	Percent Pumped	No. Killed by Pumping	Percent Saved	
Yellow Perch	806	848	1654	48.73	43		5.33
Gizzard Shad	849	374	1223	69.41	32		3.76
Shiners	81	82	163	49.69	5		6.17
Goldfish	0	2	2	0			
Sheepshead	842	463	1305	64.52	15		1.78
White Bass	360	291	651	55.29	8		2.22
Smelt							
White Crappie	1	0	1	100			
Sunfish	1	0		100	1		100
Carp							
Alewife							
Rock Bass	2	2	4	50			
Log Perch	1	2	3	33.33			
C C	0	1	1	0			
W	10	0	10	100			
Totals	2,952	2,065	5,017	58.85	104		3.52