

APPENDIX Q

Catch Data for Hoop Nets

Life stage designation as follows:

0 - fish in the first year of life (young-of-the-year);
I - fish in the second year of life (yearlings);
I+ - fish in the second or later year of life;
II+ - fish in the third or later year of life.

[Note: by convention, fish are assumed to pass into the next year of life on January 1. All ages were derived from lengths, as reported by Trautman (1981).]

APPENDIX
HOOPNET CATCH DATA

DATE	RIVER	LOCATION	STA. NO.	VEGETATION			FISH		
				Dominant Taxa	Density	Species	Life Stage	Total No.	Total WT. (G)
5/23/83	ST. CLAIR	STAG	1	CHARA SPP.	LOW	STRIPED SHINER	II+	2	13
		ELODEA CANADENS	MED.	NO FISH CAUGHT					82- 92
		3 NO VEGETATION	0	RAINBOW SMELT	I			22	110
				RAINBOW SMELT	II+			22	184
				BLUEGILL	II+			62	105
		4 NO VEGETATION	0	RAINBOW SMELT	I		16	230	109-151
				RAINBOW SMELT	II+			20	169
				TROUT PERCH	II+			17	128
				WHITE SUCKER	I+			840	457
				ROCKBASS	I			6	72
		FAWN	1	CHARA SPP.	LOW	RAINBOW SMELT	I	1	2
			2	CHARA SPP.	LOW	NO FISH CAUGHT			66
		3 NO VEGETATION	0	NO FISH CAUGHT					
		4 NO VEGETATION	0	NO FISH CAUGHT					
		RUSSELL	1	NO VEGETATION	0	NO FISH CAUGHT			
			2	NO VEGETATION	0	NO FISH CAUGHT			
			3	CHARA SPP.	LOW	SPOTTAIL SHINER	II+	20	200
						YELLOW PERCH	I	1	86
			4	CHARA SPP.	LOW	NO FISH CAUGHT			

APPENDIX
HOOPNET CATCH DATA

DATE	RIVER	LOCATION	STA. NO.	DOMINANT TAXA	DENSITY	SPECIES	LIFE STAGE	TOTAL		LENGTH RANGE (MM)			
								NO.	WT. (G)				
5/25/83	DETROIT	BELLE	1	NO VEGETATION	0	NO FISH CAUGHT							
			2	NO VEGETATION	0	GIZZARD SHAD RAINBOW SMELT STONECAT EMERALD SHINER BLUEGILL YELLOW PERCH	I II+ III+ II+ II+	1 14 1 1 1	9 36 220 7 15	106 71-86 260 94 94 133			
			3	HETERANThERA DUB	MED.	YELLOW PERCH YELLOW PERCH	I II+	1 3	8 113	88 107-175			
			4	HETERANThERA DUB	MED.	ROCKBASS ROCKBASS YELLOW PERCH	I II+ II+	2 1 1	31 250 41	88-92 220 153			
				HENNEPIN	1	NO VEGETATION	0	SPOTTAIL SHINER HORNYHEAD CHUB YELLOW PERCH	II+ I+ II+	6 1 2	70 18 68	95-125 112 144-146	
					2	NO VEGETATION	0	ROCKBASS ROCKBASS YELLOW PERCH	I II+ II+	1 9 1	18 870 60	107 129-205 171	
					3	HETERANThERA DUB	LOW	YELLOW PERCH	II+	1	34	148	
					4	HETERANThERA DUB	LOW	NO FISH CAUGHT					
						STONY	1	POT. CRISPUS	HIGH SPOTTAIL SHINER YELLOW PERCH	II+ II+	2 1	21 44	94-102 157
					2	POT. CRISPUS	HIGH	RAINBOW SMELT SPOTTAIL SHINER ROCKBASS	I II+ I	1 2 3	1 31 41	135 97-128 41-106	
					3	NO VEGETATION	0	ROCKBASS	II+	4	163	124-185	
					4	NO VEGETATION	0	RAINBOW SMELT RAINBOW SMELT SPOTTAIL SHINER YELLOW PERCH	II+ II+ II+	10 2 1	283 23 69	118-165 97-110 176	

APPENDIX HOOPNET CATCH DATA

VEGETATION

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DATE	RIVER	ST. CLAIR	STAG	LOCATION NO.	STA. TAXA	DOMINANT TAXA	DENSITY	SPECIES	LIFE STAGE	TOTAL NO.	TOTAL WT.	LENGTH RANGE (MM)
											(G)	
6/20/83							LOW	NO FISH CAUGHT				
							O	BLUEGILL	II+	1	118	183
							LOW	RAINBOW SMELT STRIPED SHINER ROCKBASS	I II+ II+	1 4 1	6 36 250	111 84- 97 213
							O	RAINBOW SMELT STRIPED SHINER HORNYHEAD CHUB	I II+ I+	4 10 1	49 95 40	125-143 82- 86 142
							LOW	RAINBOW SMELT HORNYHEAD CHUB YELLOW PERCH YELLOW PERCH	I I+ 1 II+	1 10 58 1	9 168 451 37	123 97-128 77-105 114
							O	NO FISH CAUGHT				
							LOW	NO FISH CAUGHT				
							O	RAINBOW SMELT TROUT PERCH WHITE SUCKER YELLOW PERCH	I II+ I+ I	2 1 1 1	8 840 9 9	61-117 113 440 90
							LOW	HORNYHEAD CHUB	I+	1	15	100
							O	HORNYHEAD CHUB ROCKBASS ROCKBASS YELLOW PERCH YELLOW PERCH	0 1 1 1 II+	1 2 2 1 4	10 47 172 5 190	87 97- 98 113-180 65 125-179
							LOW	BOWFIN STRIPED SHINER ROCKBASS LARGEMOUTH BASS YELLOW PERCH YELLOW PERCH	I+ II+ I 0 I II+	1 4 1 1 1 1	1400 66 9 14 9 35	532 90-123 78 98 90 137
							O	MOTTLED SCULPIN	I+	1	6	71

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HOOPNET CATCH DATA

VEGETATION

FISH

DATE	RIVER	LOCATION	STA. NO.	Dominant TAXA	DENSITY	SPECIES	LIFE STAGE	TOTAL NO.	TOTAL WT. (G)	TOTAL LENGTH RANGE (MM)
6/27/83	DETROIT	BELLE	1	NO VEGETATION	O	ROCKBASS	I	9	111	61- 98
			2	POT. CRISPUS	LOW	ROCKBASS	II+	5	263	115-151
						ROCKBASS	I	4	43	59- 85
						ROCKBASS	II+	3	162	117-159
			3	NITELLA HYALINA	HIGH	NO FISH CAUGHT				
			4	NO VEGETATION	O	ROCKBASS	II+	1	150	191
						NO FISH CAUGHT				
			1	POT. NARROW	MED.	NO FISH CAUGHT				
			2	NO VEGETATION	O	BIGMOUTH BUFFALO	II+	1	800	370
						SPOTTAIL SHINER	II+	5	57	95-113
						YELLOW PERCH	I	2	37	85- 92
						YELLOW PERCH	II+	1	42	152
			3	POT. NARROW	MED.	ROCKBASS	II+	2	150	157-164
			4	NO VEGETATION	O	SPOTTAIL SHINER	II+	3	31	101-108
						YELLOW PERCH	II+	2	110	162-182
						NO FISH CAUGHT				
			STONY	1	POT. CRISPUS	HIGH	WHITE PERCH	I	1	8
						FRESHWATER DRUM	II+	1	680	373
						ROCKBASS	II+	1	170	199
						YELLOW PERCH	I	2	26	96-100
			2	NO VEGETATION	O	CARP	I+	1	3400	620
						ROCKBASS	II+	3	600	209-225
						YELLOW PERCH	I	11	97	
			3	POT. CRISPUS	HIGH	CARP	I+	1	1300	448
						BLACK REDHORSE	I+	1	900	448
						ROCKBASS	I	1	18	88
						ROCKBASS	II+	1	100	161
			4	NO VEGETATION	O	STONECAT	I	1	54	75
						WHITE PERCH	I	6	324	138-169
						WHITE PERCH	II+	1	103	209
						WHITE BASS	I	1	206	158
						WHITE BASS	II+	4	1021	241-283
						SPOTTAIL SHINER	II+	1	14	107
						ROCKBASS	I	1	23	102
						ROCKBASS	II+	1	120	174

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FISH

DATE	RIVER	LOCATION	STA. NO.	DOMINANT TAXA	DENSITY	SPECIES	LIFE STAGE	TOTAL NO.	TOTAL WT. (G)		LENGTH RANGE (MM)
									TOTAL	WT.	
7/25/83	ST. CLAIR	STAG	1	CHARA spp.	LOW	YELLOW PERCH	I	1	8	94	42
		2	NO VEGETATION	0	YELLOW PERCH	I	1	13		101	
		3	NO VEGETATION	0	NO FISH CAUGHT						
		4	POT. PRAEOLONGIS	MED.	NO FISH CAUGHT						
		FAWN	1	POT. PRAEOLONGIS	MED.	ALEWIFE	I	1	16	122	96
						SPOTTAIL SHINER	II+	1	9	96	126
						HORNYHEAD CHUB	I+	1	26	107	107
						ROCKBASS	I	1	27		
						ROCKBASS	II+	4	215	110-132	
						YELLOW PERCH	II+	2	36	113-118	
			2	NO VEGETATION	0	ROCKBASS	II+	3	344	128-210	
			3	NO VEGETATION	0	ALEWIFE	I	1	15	118	
						YELLOW PERCH	II+	3	253	130-235	
			4	POT. PRAEOLONGIS	MED.	HORNYHEAD CHUB	I	6	138	94-128	
						ROCKBASS	II+	2	196	123-170	
						YELLOW PERCH	I	50	583	81-108	
						YELLOW PERCH	II+	23	657	111-189	
		RUSSELL	1	POT. PRAEOLONGIS	MED.	HORNYHEAD CHUB	I+	7	101	97-133	73
						ROCKBASS	I	1	11		
						YELLOW PERCH	I	6	68	86-106	
						YELLOW PERCH	II+	4	165	120-175	
			2	NO VEGETATION	0	ROCKBASS	II+	18	1324	105-218	
						ROCKBASS	I	10	110	86-107	
						YELLOW PERCH	I	14	158	90-106	
						YELLOW PERCH	II+	13	536	110-190	
			3	NO VEGETATION	0	COMMON SHINER	II+	1	13	106	
						HORNYHEAD CHUB	O	1	10	86	
						HORNYHEAD CHUB	I+	23	323	91-132	
						ROCKBASS	I	1	19	96	
						ROCKBASS	II+	4	860	142-245	
						PUMPKINSEED	II+	1	60	131	
						YELLOW PERCH	I	18	211	92-109	
						YELLOW PERCH	II+	20	1269	113-212	
		4	POT. PRAEOLONGIS	MED.	NO FISH CAUGHT						

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HOOPNET CATCH DATA

VEGETATION						FISH					
DATE	RIVER	LOCATION	STA.	DOMINANT TAXA	DENSITY	SPECIES	LIFE STAGE	TOTAL NO.	TOTAL WT. (G)	LENGTH RANGE (MM)	
8/ 1/83	DETROIT	BELLE	1	VALLISNERIA AMER	HIGH	YELLOW PERCH	I	8	89	91-106	
			2	NO VEGETATION	O	ROCKBASS	II+	3	43	83-102	
						ROCKBASS	II+	6	697	120-240	
						BLUEGILL	II+	1	30	118	
						YELLOW PERCH	II+	4	256	110-202	
			3	MYRIO. EXALBESC	MED.	ROCKBASS	I	1	19	100	
						ROCKBASS	II+	1	216	210	
						WHITE CRAPPIE	II+	1	150	205	
						YELLOW PERCH	I	7	69	99-109	
						YELLOW PERCH	II+	5	79	115-122	
			4	NO VEGETATION	O	ROCKBASS	I	1	7	82	
						ROCKBASS	II+	6	816	112-220	
						YELLOW PERCH	II+	1	11	110	
			HENNEPIN	1	HETERANTHERA DUB	HIGH CHANNEL CATFISH	II+	2	870	255-380	
						ROCKBASS	II+	3	190	110-174	
						YELLOW PERCH	I	10	139	101-109	
						YELLOW PERCH	II+	21	834	111-195	
			2	NO VEGETATION	O	SPOTTAIL SHINER	II+	8	77	97-111	
						ROCKBASS	II+	1	40	126	
						YELLOW PERCH	I	5	61	96-106	
						YELLOW PERCH	II+	2	33	113-115	
			3	VALLISNERIA AMER	HIGH ROCKBASS	II+	1	56	143		
						YELLOW PERCH	I	3	31	83-102	
						YELLOW PERCH	II+	2	33	113-115	
			4	NO VEGETATION	O	YELLOW PERCH	II+	4	167	114-187	

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FISH

DATE	RIVER	LOCATION	STA. NO.	DOMINANT TAXA	DENSITY	SPECIES	LIFE STAGE	TOTAL NO.	TOTAL WT. (G)	LENGTH RANGE(MM)
8/ 1/83	DETROIT	STONY	1	MYRID. EXALBESC	HIGH	YELLOW BULLHEAD	II+	1	190	234
						BROWN BULLHEAD	II+	1	195	257
						YELLOW PERCH	II+	1	141	221
			2	NO VEGETATION	O	HORNYHEAD CHUB	I+	2	45	103-134
						ROCKBASS	II+	1	29	114
			3	MYRID. EXALBESC	MED.	CHANNEL CATFISH	II+	1	220	280
						BLACK REDHORSE	I+	1	530	383
						HORNYHEAD CHUB	I+	4	78	97-131
						ROCKBASS	I	3	43	66-104
						ROCKBASS	II+	2	258	149-210
			4	NO VEGETATION	O	CHANNEL CATFISH	II+	1	680	343
						HORNYHEAD CHUB	I+	1	21	116
						ROCKBASS	I	1	25	102
						ROCKBASS	II+	3	399	180-190
						YELLOW PERCH	I	1	11	96

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FISH

DATE	RIVER	LOCATION	STA. NO.	DOMINANT TAXA	DENSITY	SPECIES	LIFE STAGE	TOTAL NO.	TOTAL WT. (G)	TOTAL LENGTH RANGE (MM)
9/ 6/83	ST. CLAIR	STAG	1	NO VEGETATION	0	WHITE SUCKER	I+	1	16	118
				HORNYHEAD CHUB	0		II	2	18	86- 89
				HORNYHEAD CHUB	1		II	27	383	95-126
				YELLOW PERCH	1		II	33	319	76-109
				YELLOW PERCH	II+		II+	14	489	110-215
2	POT. PRAEOLONGIS	MED.		YELLOW PERCH			I	2	24	103-105
				YELLOW PERCH	II+		II+	1	200	226
3	NO VEGETATION	O		NORTHERN PIKE	I+		I+	1	1500	610
				WHITE SUCKER	0		II	2	18	97-100
				WHITE SUCKER	I+		II	1	20	128
				ROCKBASS	II+		II	2	74	123-130
				BLACK CRAPPIE	II+		II+	1	120	198
4	POT. RICHARDSONI	MED.		SPOTTAIL SHINER	II+		II+	1	10	112
				HORNYHEAD CHUB	I+		I+	10	178	109-126
				ROCKBASS	I		II	2	16	75- 81
				PUMPKINSEED	II+		II	2	112	142-143
				YELLOW PERCH	I		I	1	14	91
				YELLOW PERCH	II+		II+	50	973	88-109
				YELLOW PERCH	II+		II+	50	1412	110-265
FAWN	1	POT. RICHARDSONI	MED.	ROCKBASS	I		I	3	66	100-105
				ROCKBASS	II+		II	6	516	112-120
				YELLOW PERCH	II+		II	1	12	112
2	NO VEGETATION	O		ROCKBASS	II+		II+	3	146	133-139
3	POT. PRAEOLONGIS	MED.		ROCKBASS	I		I	1	18	96
				ROCKBASS	II+		II	5	513	111-211
				SMALLMOUTH BASS	I		I	1	8	89
				YELLOW PERCH	I		I	8	124	95-108
				YELLOW PERCH	II+		II+	5	93	110-129
4	NO VEGETATION	O		ROCKBASS	II+		II	2	118	120-160
				SMALLMOUTH BASS	I		I	5	58	90-110
				SMALLMOUTH BASS	II+		II	1	168	221

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DATE	RIVER	LOCATION	STA. NO.	DOMINANT TAXA	DENSITY	SPECIES	LIFE STAGE	TOTAL	WT. (G.)	LENGTH RANGE (MM.)
9/ 6 83	ST. CLAIR	RUSSELL	1	POT. PRAEOLONGIS	MED.	SPOTTAIL SHINER	II+	5	84	103-129
				ROCKBASS		ROCKBASS	I	1	14	86
				ROCKBASS		ROCKBASS	II+	4	194	112-154
				YELLOW PERCH		YELLOW PERCH	I	2	26	109
				YELLOW PERCH		YELLOW PERCH	II+	8	394	110-265
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2	NO VEGETATION	O		ROCKBASS		ROCKBASS	II+	5	686	127-261
				SMALLMOUTH BASS		SMALLMOUTH BASS	I	6	75	95-106
				YELLOW PERCH		YELLOW PERCH	II+	1	14	120
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3	POT. PRAEOLONGIS	MED.		WHITE SUCKER		WHITE SUCKER	I+	1	30	136
				SPOTTAIL SHINER		SPOTTAIL SHINER	II+	7	112	108-129
				HORNYHEAD CHUB		HORNYHEAD CHUB	I+	2	37	116-118
				ROCKBASS		ROCKBASS	I	1	14	90
				ROCKBASS		ROCKBASS	II+	5	748	130-257
				YELLOW PERCH		YELLOW PERCH	I	11	119	97-109
				YELLOW PERCH		YELLOW PERCH	II+	16	395	111-200
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4	NO VEGETATION	O		ROCKBASS		ROCKBASS	I	1	22	101
				ROCKBASS		ROCKBASS	II+	8	630	125-190

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FISH

RIVER	DATE	LOCATION	STA. NO.	Dominant TAXA	DENSITY	SPECIES	LIFE STAGE	TOTAL NO.	TOTAL WT. (G)	TOTAL LENGTH RANGE (MM)
DETROIT	9/ 8/83	BELLE	1	NO VEGETATION	0	SPOTTAIL SHINER ROCKBASS LOGPERCH YELLOW PERCH	II+	1	1	100 77- 91
			2	POT. RICHARDSONI	MED.	SPOTTAIL SHINER ROCKBASS ROCKBASS YELLOW PERCH	II+	1	12	104 78-108 113-115
			3	NAJAS FLEXILIS	MED.	SPOTTAIL SHINER ROCKBASS ROCKBASS YELLOW PERCH YELLOW PERCH	II+	1	10	90 80 122-140
			4	NO VEGETATION	0	ROCKBASS ROCKBASS PUMPKINSEED YELLOW PERCH YELLOW PERCH	II+	1	1	90 80 100 111
HENNEPIN			1	NO VEGETATION	0	YELLOW PERCH	II+	1	1	90
			2	POT. NARROW	MED.	YELLOW PERCH	II+	1	270	235
			3	VALLISNERIA AMER	HIGH	STONEROLLER	II+	1	134	184
						ROCKBASS	II+	1	14	106
						ROCKBASS	II+	1	20	118
						PUMPKINSEED	II+	1		
						YELLOW PERCH	II+	4	41	100-108
						YELLOW PERCH	II+	8	218	113-195
			4	NO VEGETATION	0	NO FISH CAUGHT				

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FISH

DATE	RIVER	LOCATION	STA. NO.	DOMINANT TAXA	DENSITY	SPECIES	LIFE STAGE	TOTAL NO.	TOTAL WT. (G)	TOTAL LENGTH RANGE (MM)
9/ 8/83	DETROIT	STONY	1	VALLISNERIA AMER	HIGH	ROCKBASS	I	1	12	80
				YELLOW PERCH			II+	1	158	196
							II+	3	88	125-168
2	NO VEGETATION	O		YELLOW BULLHEAD			II+	1	80	227
				CHANNEL CATFISH			II+	3	1650	335-410
				STONECAT			II+	3	268	152-225
				HORNYHEAD CHUB			I+	1	12	105
				ROCKBASS			I	1	2	56
3	MYRI. SPICATUM	HIGH		CHANNEL CATFISH			II+	1	910	435
				CARP			I+	1	780	378
				BLACK REDHORSE			I+	1	537	360
				GOLDEN REDHORSE			I+	1	708	405
				ROCKBASS			II+	2	204	117-210
				YELLOW PERCH			II+	1	60	176
4	NO VEGETATION	O		CHANNEL CATFISH			II+	5	5144	341-545
				CARP			I+	2	2244	415-450
				GOLDEN REDHORSE			I+	1	874	436
				ROCKBASS			I	2	16	73- 80
				ROCKBASS			II+	1	72	155
				YELLOW PERCH			II+	2	102	167-175

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DATE	RIVER	LOCATION	STA. NO.	DOMINANT TAXA	DENSITY	SPECIES	LIFE STAGE	TOTAL	WT.	LENGTH
								NO.	(G)	RANGE (MM)
110/ 4/83	ST. CLAIR	STAG	1	POT. RICHARDSONI	MED.	WHITE SUCKER STRIPED SHINER HORNYHEAD CHUB ROCKBASS ROCKBASS YELLOW PERCH YELLOW PERCH WALLEYE	II+ I+ I+ I+ I+ I+ I+ I	1 35 38 3 1 22 197 1	9 608 599 21 106 22 197 1989	95 95-139 95-134 64- 80 165 92-109 110-206
2	NO VEGETATION	O		WHITE SUCKER HORNYHEAD CHUB ROCKBASS ROCKBASS YELLOW PERCH YELLOW PERCH WALLEYE	LOW	I+ I+ I+ I+ I+ I+ I	1 7 3 6 41 1 1	10 131 24 296 1581 120 120	112 105-128 69- 92 118-146 112-208 254	
3	NO VEGETATION	O		WHITE SUCKER HORNYHEAD CHUB ROCKBASS ROCKBASS YELLOW PERCH YELLOW PERCH	LOW	I+ I+ I+ I+ I+ I+ I	2 2 9 2 2 11	32 34 676 14 292 1	112-134 116-118 112-220 75- 96 112-165	
4	POT. PRAEOLONGIS	FAWN	1	HORNYHEAD CHUB ROCKBASS ROCKBASS ROCKBASS SMALLMOUTH BASS	LOW	I+ I+ I+ I+ I+	1 2 3 2 1	18 88 24 14 1	122 131-136 60-109 112-226 96	
2	NO VEGETATION	O		ROCKBASS	MED.	ROCKBASS ROCKBASS SMALLMOUTH BASS	II+ II+ 0	1 6 1	16 304 5	116-185 116-185 77
3	POT. PRAEOLONGIS	FAWN	1	ROCKBASS	MED.	SPOTTAIL SHINER HORNYHEAD CHUB ROCKBASS ROCKBASS YELLOW PERCH YELLOW PERCH	II+ I+ II+ I+ II+ II+	1 2 3 8 33	18 50 745 87 1562	111 134-139 178-238 95-109 110-307
4	NO VEGETATION	O		ROCKBASS	LOW	HORNYHEAD CHUB ROCKBASS YELLOW PERCH YELLOW PERCH	I+ I I+ I+ I+ I+ I	1 2 3 8 33 1 1	14 23 745 87 1562 14 14	115 85- 87 178-238 97-105 113 4

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VEGETATION

HIST

DATE	RIVER	LOCATION	STA. NO.	DOMINANT TAXA	DENSITY	SPECIES	LIFE STAGE	TOTAL NO.	TOTAL WT. (G)	LENGTH RANGE (MM)
10/ 4/83 CLAIR	RUSSELL	1	POT. PRAEOLONGIS	HIGH	HORNYHEAD CHUB ROCKBASS BLACK CRAPPIE YELLOW PERCH YELLOW PERCH	I+ I II+ I II+	3 3 1 8 5	47 52 214 86 68	103-117 80-105 236 98-108 110-120	
2	NO VEGETATION	0	HORNYSHAD CHUB ROCKBASS ROCKBASS BLACK CRAPPIE YELLOW PERCH YELLOW PERCH	MED.	I+ I II+ I II+	8 3 8 3 2 3	152 34 580 506 22 265	106-139 67-93 127-180 213-228 108-109 112-258		
3	POT. NARROW		SPOTTAIL SHINER HORNYHEAD CHUB YELLOW PERCH YELLOW PERCH	MED.	II+ I+ I II+	3 1 5 5	32 19 55 162	95-107 120 97-106 110-213		
4	NO VEGETATION	0	CARP ROCKBASS ROCKBASS SMALLMOUTH BASS YELLOW PERCH YELLOW PERCH	MED.	I+ I II+ I I II+	1 1 2 1 1 2	2700 24 72 9 11 30	570 107 112-125 88 102 116-120		

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DATE	RIVER	LOCATION	STA. NO.	DOMINANT TAXA	DENSITY	SPECIES	FISH			
							LIFE STAGE	TOTAL NO.	TOTAL WT. (G)	LENGTH RANGE (MM)
10/ 6/83	DETROIT	BELLE	1	POT. RICHARDSONI	MED.	HORNYHEAD CHUB ROCKBASS SMALLMOUTH BASS YELLOW PERCH YELLOW PERCH	I+ I I I II+	2 2 1 4 27	32 23 10 68 410	101-107 90- 93 96 102-107 113-156
2	NO VEGETATION	0		ROCKBASS BLUEGILL SMALLMOUTH BASS YELLOW PERCH YELLOW PERCH			II+ II+ I I II+	2 1 1 3 20	310 40 12 26 385	164-216 131 99 98-106 110-170
3	NITELLA HYALINA	HIGH		ROCKBASS ROCKBASS YELLOW PERCH			I II+ II+	2 1 3	11 214 43	54- 80 216 113-115
4	NO VEGETATION	0		ROCKBASS ROCKBASS YELLOW PERCH YELLOW PERCH			I II+ I II+	2 2 13	31 430 19 232	81-107 206-211 97-107 110-141
HENNEPIN	1	VALLISNERIA AMER	MED.	HORNYHEAD CHUB ROCKBASS BLUEGILL SMALLMOUTH BASS SMALLMOUTH BASS YELLOW PERCH			I+ II+ II+ O I II+	1 1 1 1 1 21	30 40 14 5 12 514	140 130 97 71 104 110-177
2	NO VEGETATION	0		ROCKBASS ROCKBASS SMALLMOUTH BASS YELLOW PERCH YELLOW PERCH			I II+ I I II+	1 1 1 1 3	14 172 12 11 53	93 211 102 108 120-124
3	VALLISNERIA AMER	MED.		BROWN BULLHEAD STONECAT WHITE SUCKER ROCKBASS YELLOW PERCH			II+ II+ I+ I II+	1 1 1 1 1	254 164 100 21 70	282 245 207 102 185
4	NO VEGETATION	0		YELLOW PERCH			II+	1	15	117

APPENDIX
HOOPNET CATCH DATA

VEGETATION **FISH**

DATE	RIVER	LOCATION	STA. NO.	DOMINANT TAXA	DENSITY	SPECIES	LIFE STAGE	TOTAL	TOTAL
								WT. (G)	LENGTH RANGE (MM)
10/ 6/83	DETROIT	STONY	1	MYRIO. EXALBESSC	HIGH	NORTHERN PIKE	I+	1	2000 710
				WHITE PERCH	0		0	6	78
				GOLDFISH	I+		1	74	161
				CARP	I+		3	4100	380-545
				ROCKBASS	I		7	64	58- 90
				YELLOW PERCH	II+		2	55	130-145
<hr/>									
2	NO VEGETATION	O	BROWN BULLHEAD	II+	1	214	253		
			ROCKBASS	I	2	28	84- 95		
			ROCKBASS	II+	3	160	119-168		
			BLACK CRAPPIE	II+	1	350	276		
			YELLOW PERCH	II+	1	26	133		
<hr/>									
3	MYRIO. EXALBESSC	MED.	CHANNEL CATFISH	II+	3	5100	459-715		
			STONECAT	II+	1	50	185		
			WHITE PERCH	I	1	29	129		
			ROCKBASS	I	1	14	87		
			ROCKBASS	II+	2	102	129-148		
<hr/>									
4	NO VEGETATION	O	YELLOW BULLHEAD	II+	1	118	232		
			CHANNEL CATFISH	II+	2	1884	420-454		
			STONECAT	II+	4	628	214-235		
			ROCKBASS	II+	1	222	221		

APPENDIX
HOOPNET CATCH DATA

DATE	RIVER	LOCATION	STA. NO.	DOMINANT TAXA	DENSITY	SPECIES	LIFE STAGE	TOTAL NO.	TOTAL	
									WT. (G)	LENGTH RANGE (MM)
5/21/84	ST. CLAIR	STAG	1	NO VEGETATION	0	NO FISH CAUGHT				
		2 POT. NARROW		LOW	ALEWIFE GOLDEN REDHORSE	I I+	I I+	1	60 1200	197 496
		3 NO VEGETATION		0	ROCKBASS	II+	II+	2	714	231-264
		4 CHARA SPP.		LOW	NO FISH CAUGHT					
		FAWN	1	NO VEGETATION	0	NO FISH CAUGHT				
		2 NO VEGETATION		0	NO FISH CAUGHT					
		3 NO VEGETATION		0	NO FISH CAUGHT					
		4 NO VEGETATION		0	NO FISH CAUGHT					
		RUSSELL	1	POT. NARROW	LOW	ROCKBASS YELLOW PERCH	II+ II+	1	134 4	194 52
			2 NO VEGETATION		0	YELLOW PERCH	II+	1	30	145
			3 POT. NARROW		LOW	NO FISH CAUGHT				
			4 NO VEGETATION		0	NO FISH CAUGHT				

APPENDIX
HOOPNET CATCH DATA

VEGETATION

FISH

DATE	RIVER	LOCATION	STA. NO.	DOMINANT TAXA	DENSITY	SPECIES	LIFE STAGE	TOTAL NO.	TOTAL WT. (G)	LENGTH RANGE (MM)
5/23/84	DETROIT	BELLE	1	CHARA spp.	LOW	ROCKBASS YELLOW PERCH	I II+	5 2	60 38	76-104 130
			2	NO VEGETATION	0	ROCKBASS ROCKBASS YELLOW PERCH YELLOW PERCH	I II+ I II+	5 6 1 3	80 653 10 82	83-103 117-220 109 122-144
			3	NO VEGETATION	0	ROCKBASS YELLOW PERCH	I II+	3	32	48-106
			4	NO VEGETATION	0	ROCKBASS ROCKBASS	I II+	3	67	112-144
		HENNEPIN	1	NO VEGETATION	0	NO FISH CAUGHT				
			2	NO VEGETATION	0	ROCKBASS YELLOW PERCH	II+ II+	3 6	335 216	142-202 120-192
			3	NO VEGETATION	0	YELLOW PERCH	II+	4	78	115-130
			4	NO VEGETATION	0	SPOTTAIL SHINER ROCKBASS YELLOW PERCH WALLEYE	II+ II+ II+ II+	1 1 5 1	12 30 222 460	115 116 128-187 383
		STONY	1	NO VEGETATION	0	NO FISH CAUGHT				
			2	NO VEGETATION	0	STONECAT WHITE SUCKER SPOTTAIL SHINER ROCKBASS WALLEYE	II+ I+ II+ II+ II+	2 55 2 1 1	298 46030 20 130 1200	233-253 368-540 96-119 189 511
			3	NO VEGETATION	0	ROCKBASS YELLOW PERCH	II+ II+	10 2	2233 98	179-230 137-182
			4	NO VEGETATION	0	NO FISH CAUGHT				

APPENDIX
HOOPNET CATCH DATA

				VEGETATION				FISH			
DATE	RIVER	LOCATION	STA.	Dominant TAXA	DENSITY	SPECIES	LIFE STAGE	TOTAL NO.	TOTAL WT. (G)	LENGTH RANGE (MM)	
6/12/84	ST. CLAIR	STAG	1	POT. RICHARDSONI	LOW	RAINBOW SMELT ROCKBASS	I II+	1 1	6 190	94 208	
2	NO VEGETATION	O		RAINBOW SMELT ROCKBASS		I II+	I 1	10 400	120 244		
3	CHARA SPP.		LOW	NO FISH CAUGHT							
4	NO VEGETATION	O		RAINBOW SMELT SPOTTAIL SHINER		I II+	I 1	12 14	127 111		
FAWN	1	NO VEGETATION	O	RAINBOW SMELT		I	I	8	118		
	2	NO VEGETATION	O	RAINBOW SMELT YELLOW PERCH		I II+	I 2	9 46	119 119-133		
	3	NO VEGETATION	O	RAINBOW SMELT TROUT PERCH YELLOW PERCH		I II+ II+	I 1	8 12 24	116 118 127		
	4	NO VEGETATION	O	NO FISH CAUGHT							
RUSSELL	1	POT. NARROW	LOW	RAINBOW SMELT TROUT PERCH ROCKBASS YELLOW PERCH		I II+ II+ II+	I 1 1 3	8 12 46 53	113 104 138 111-116		
	2	NO VEGETATION	O	RAINBOW SMELT YELLOW PERCH		I II+	3 6	29 493	124-127 119-301		
	3	POT. NARROW	LOW	RAINBOW SMELT ROCKBASS YELLOW PERCH WALLEYE		I II+ II+ II+	97 1 1 2	822 236 92 762	96-136 227 210 316-381		
	4	NO VEGETATION	O	RAINBOW SMELT YELLOW PERCH		I I	39 1	348 11	100-135 105		

APPENDIX
HOOPNET CATCH DATA

VEGETATION						FISH					
DATE	RIVER	LOCATION	STA. NO.	Dominant TAXA	DENSITY	SPECIES	LIFE STAGE	TOTAL NO.	TOTAL WT. (G)	TOTAL LENGTH RANGE (MM)	
6/18/84	DETROIT	BELLE	1	POT. CRISPUS	LOW	SPOTTAIL SHINER	II+	1	18	115	
				ROCKBASS			I	6	101	84-102	
				ROCKBASS			II+	4	394	116-208	
				YELLOW PERCH			II+	3	86	129-143	
		2 NO VEGETATION	0	ROCKBASS			II+	5	730	165-227	
		3 CHARA SPP.	LOW	ROCKBASS			I	4	77	85- 99	
				ROCKBASS			II+	5	556	137-217	
				YELLOW PERCH			II+	1	20	117	
		4 NO VEGETATION	0	ROCKBASS			I	2	32	84- 95	
				ROCKBASS			II+	1	150	193	
				YELLOW PERCH			II+	2	49	128-130	
		HENNEPIN	1 POT. NARROW	MED.	NO FISH CAUGHT						
			2 NO VEGETATION	0	NO FISH CAUGHT						
			3 POT. NARROW	MED.	SPOTTAIL SHINER	II+	1	12	112		
				ROCKBASS			II+	4	312	133-173	
				YELLOW PERCH			II+	3	236	113-233	
			4 NO VEGETATION	0	SPOTTAIL SHINER	II+	2	19	96-104		
		STONY	1 POT. CRISPUS	MED.	WHITE BASS	I	2	128	158-172		
				ROCKBASS			II+	2	244	156-205	
			2 NO VEGETATION	0	STONECAT	II+	3	304	194-220		
				WHITE BASS			II+	1	342	308	
				HORNYHEAD CHUB			I+	1	40	148	
				ROCKBASS			II+	5	674	130-212	
			3 POT. CRISPUS	LOW	STONECAT	II+	18	2124	201-250		
				ROCKBASS			II+	2	211	136-202	
			4 NO VEGETATION	0	ROCKBASS	II+	3	263	128-192		
				YELLOW PERCH			II+	1	130	217	

APPENDIX
HOOPNET CATCH DATA

VEGETATION

FISH

DATE	RIVER	LOCATION	STA.	DOMINANT TAXA	DENSITY	SPECIES	MED. NO. FISH CAUGHT	TOTAL			WT. (G)	LENGTH RANGE (MM)
								LIFE STAGE	TOTAL NO.			
7/23/84	ST. CLAIR	STAG	1	POT. GRAMINEUS	MED.	NO FISH CAUGHT						
		2 NO VEGETATION	0	YELLOW PERCH	II+	1	28				146	
		3 POT. RICHARDSONI	MED.	ROCKBASS	I	1	28				96	
				ROCKBASS	II+	7	1090				172-217	
		4 NO VEGETATION	0	HORNYHEAD CHUB	I+	1	12				97	
				ROCKBASS	II+	8	932				142-199	
		FAWN	1 NO VEGETATION	0	NO FISH CAUGHT							
		2 POT. GRAMINEUS	MED.	HORNYHEAD CHUB	I+	1	28				137	
				ROCKBASS	II+	5	828				149-230	
				YELLOW PERCH	II+	29	990				113-237	
		3 POT. GRAMINEUS	MED.	NO FISH CAUGHT								
		4 NO VEGETATION	0	HORNYHEAD CHUB	I+	2	46				121-137	
				ROCKBASS	II+	6	901				149-223	
				SMALLMOUTH BASS	II+	1	742				375	
				YELLOW PERCH	II+	8	366				119-234	
		RUSSELL	1 POT. GRAMINEUS	MED.	ROCKBASS	II+	2	538			232-245	
		2 NO VEGETATION	0	ROCKBASS	II+	6	616				124-215	
				SMALLMOUTH BASS	II+	1	222				265	
				YELLOW PERCH	II+	2	165				139-180	
		3 POT. GRAMINEUS	MED.	HORNYHEAD CHUB	I+	2	63				134	
				ROCKBASS	II+	4	624				151-224	
				YELLOW PERCH	II+	27	1106				120-264	
		4 NO VEGETATION	0	ROCKBASS	II+	6	1090				140-239	
				SMALLMOUTH BASS	II+	1	980				408	
				YELLOW PERCH	II+	1	30				135	

APPENDIX
HOOPNET CATCH DATA

VEGETATION

FISH

DATE	RIVER	LOCATION	STA. NO.	DOMINANT TAXA	DENSITY	SPECIES	LIFE STAGE	TOTAL NO.	TOTAL WT. (G)	LENGTH RANGE (MM)
7/30/84	DETROIT	BELLE	1	NO VEGETATION	0	WHITE PERCH/WHITE SPOTTAIL SHINER	I II+	1	16	106- 104
				ROCKBASS			I	2	32	83-100
				ROCKBASS			II+	2	270	112-219
				YELLOW PERCH			II+	10	376	112-161
			2	MYRI. EXALBESC	LOW	CARP ROCKBASS ROCKBASS BLUEGILL YELLOW PERCH	I+ II+ I II+	1	2700	665- 77-78
			3	POT. RICHARDSONI	MED.	ROCKBASS	I	6	72	67-85
			4	NO VEGETATION	0	ROCKBASS ROCKBASS YELLOW PERCH	I II+ II+	3	31	65-83 127-170 134-161
		HENNEPIN	1	POT. NARROW	LOW	SPOTTAIL SHINER	II+	2	16	110-112
			2	NO VEGETATION	0	NO FISH CAUGHT				
			3	MYRI. EXALBESC	LOW	CARP SPOTTAIL SHINER ROCKBASS	I+ II+ II+	1	1300	440- 93 135
			4	NO VEGETATION	0	ROCKBASS PUMPKINSEED YELLOW PERCH WALLEYE	II+ II+ II+ II+	1 2 2 1	22 224 81 890	110- 157-190 132-150 480
			STONY	1	MYRI. EXALBESC	MED.	STONECAT SPOTTAIL SHINER HORNYHEAD CHUB ROCKBASS ROCKBASS YELLOW PERCH	II+ II+ I+ II+ II+ II+	1 1 1 20 160 374	225- 92 110 95 195 163-254
			2	NO VEGETATION	0	ALEWIFE	O	11	16	47-64
			3	MYRI. EXALBESC	LOW	CARP BLACK REDHORSE	I+ I+	1 1	1100	452- 652 405
			4	NO VEGETATION	0	CHANNEL CATFISH ROCKBASS	II+ II+	2 4	1582 362	411-463 140-190

APPENDIX HOOPNET CATCH DATA

FISH VEGETATION

VEGETATION								FISH CATCH DATA					
DATE	RIVER	LOCATION	STA. NO.	Dominant TAXA	DENSITY	SPECIES	LIFE STAGE	TOTAL NO.	TOTAL WT. (G)	TOTAL WT. (G)	LENGTH RANGE (MM)		
9/ 4/84	ST. CLAIR	STAG	1	MYRIO. EXALBESC	HIGH	YELLOW PERCH	II+	1	38	151			
		2	NO VEGETATION	O	ALEWIFE ALEWIFE FRESHWATER DRUM RAINBOW TROUT YELLOW PERCH		O I+ II+ II+ II+	26 1 1 1 2	154 6 650 258 40	74- 97 101 375 320 120-150			
		3	ELODEA CANADENSIS	HIGH	BLACK REDHORSE HORNYHEAD CHUB ROCKBASS PUMPKINSEED YELLOW PERCH		I+ I+ II+ II+ II+	2 1 1 1 20	2040 16 230 24 912	475-501 117 219 115 112-240			
		4	NO VEGETATION	O	ROCKBASS		II+	1	82	167			
FAWN		1	POT. RICHARDSONI	MED.	ROCKBASS BLACK CRAPPIE		II+ II+	1 1	30 352	117 281			
		2	NO VEGETATION	O	ROCKBASS WALLEYE		II+ II+	1 1	314 200	244 311			
		3	POT. PRAEOLONGIS	HIGH	ALEWIFE BLACK REDHORSE HORNYHEAD CHUB ROCKBASS YELLOW PERCH YELLOW PERCH		O I+ I+ II+ I II+	2 1 1 3 1 46	10 682 25 3 1 1579	76- 86 435 140 143-156 103 115-207			
		4	NO VEGETATION	O	ALEWIFE ROCKBASS YELLOW PERCH YELLOW PERCH		O II+ II+ II+	2 4 1 30	10 682 12 827	125-210 105 115-164			
RUSSELL		1	POT. PRAEOLONGIS	HIGH	NORTHERN PIKE SPOTTAIL SHINER ROCKBASS YELLOW PERCH		I+ II+ II+ II+	1 1 1 30	1700 8 92 54	775 97 174 173			
		2	NO VEGETATION	O	ROCKBASS YELLOW PERCH		II+ II+	7 3	898 144	147-224 154-172			
		3	POT. PRAEOLONGIS	HIGH	YELLOW PERCH WALLEYE		II+ II+	1 1	44 480	154 385			
		4	NO VEGETATION	O	ROCKBASS PUMPKINSEED		II+ II+	1 1	262 76	233 144			

APPENDIX
HOOPNET CATCH DATA

VEGETATION

HOOPNET CATCH DATA		FISH		VEGETATION	
DATE	RIVER	STA. NO.	Dominant Taxa	DENSITY	SPECIES
9/10/84	DETROIT	BELLE	POT. RICHARDSONI	MED.	ROCKBASS
		1			ROCKBASS
2	NO VEGETATION	O	ROCKBASS	I	ROCKBASS
			ROCKBASS	II+	
			YELLOW PERCH	II+	
3	VALLISNERIA AMER	LOW	ROCKBASS	II+	ROCKBASS
4	NO VEGETATION	O	ROCKBASS	I	ROCKBASS
			ROCKBASS	II+	
HENNEPIN	1	VALLISNERIA AMER	LOW	YELLOW PERCH	YELLOW PERCH
			YELLOW PERCH	0	YELLOW PERCH
2	NO VEGETATION	O	YELLOW PERCH	II+	YELLOW PERCH
3	VALLISNERIA AMER	MED.	ROCKBASS	I	ROCKBASS
4	NO VEGETATION	O	CHANNEL CATFISH	II+	CHANNEL CATFISH
			YELLOW PERCH	II+	YELLOW PERCH
STONY	1	MYRIO. SPICATUM	MED.	BROWN BULLHEAD	BROWN BULLHEAD
			WHITE BASS	0	WHITE BASS
			ROCKBASS	II+	ROCKBASS
2	NO VEGETATION	O	CHANNEL CATFISH	II+	CHANNEL CATFISH
			HORNYHEAD CHUB	I+	HORNYHEAD CHUB
			ROCKBASS	II+	ROCKBASS
			YELLOW PERCH	II+	YELLOW PERCH
3	MYRIO. SPICATUM	LOW	CHANNEL CATFISH	II+	CHANNEL CATFISH
			STONECAT	II+	STONECAT
			BLACK REDHORSE	I+	BLACK REDHORSE
			HORNYHEAD CHUB	I+	HORNYHEAD CHUB
			ROCKBASS	II+	ROCKBASS
4	NO VEGETATION	O	CHANNEL CATFISH	II+	CHANNEL CATFISH
			STONECAT	II+	STONECAT
			ROCKBASS	II+	ROCKBASS

APPENDIX
HOOPNET CATCH DATA

VEGETATION

FISH

DATE	RIVER	LOCATION	STA. NO.	DOMINANT TAXA	DENSITY	SPECIES	LIFE STAGE	TOTAL ND.	TOTAL	WT. (G)	LENGTH RANGE (MM)
									WT.		
10/ 2/84	ST. CLAIR	STAG	1	NO VEGETATION	O	WHITE SUCKER	I+	1	1200	505	
			2	POT. RICHARDSONI	MED.	WHITE SUCKER STRIPED SHINER HORNYHEAD CHUB ROCKBASS	II+ I+ II+ II+	1	45 10 93 100-122	170 95 100-169	
			3	MYRI. EXALBESC	HIGH	WHITE SUCKER HORNYHEAD CHUB ROCKBASS ROCKBASS YELLOW PERCH	I+ I+ I+ II+ II+	1	3000	593	
			4	NO VEGETATION	O	HORNYHEAD CHUB ROCKBASS YELLOW PERCH YELLOW PERCH	I+ II+ I+ II+	4	20 252 248 152-212	91-119 101 152-212	
			FAWN	1	POT. PRAEOLONGIS	HIGH	WHITE SUCKER ROCKBASS	I+ II+	4	690	170-250
			2	NO VEGETATION	O	ROCKBASS	II+	1	12	105	
			3	POT. NARROW	HIGH	PUMPKINSEED YELLOW PERCH YELLOW PERCH	II+ I II+	42	2145	120-251	
			4	CHARA SPP.	LOW	ROCKBASS	II+	1	80	161	
			RUSSELL	1	POT. RICHARDSONI	HIGH	NO FISH CAUGHT				
			2	NO VEGETATION	O	WHITE SUCKER ROCKBASS YELLOW PERCH	I+ II+ II+	2	2098	413-525	
			3	POT. RICHARDSONI	HIGH	YELLOW PERCH	II+	1	84 437	160 127-258	
			4	CHARA SPP.	LOW	ROCKBASS ROCKBASS YELLOW PERCH	I II+ II+	2	282 80	101 155-214 151-154	

APPENDIX
HOOPNET CATCH DATA

VEGETATION

FISH

DATE	RIVER	LOCATION	STA. NO.	DOMINANT TAXA	DENSITY	SPECIES	LIFE STAGE	TOTAL NO.	TOTAL WT. (G.)	TOTAL LENGTH RANGE (MM)
10/ 4/84	DETROIT	BELLE	1	POT. RICHARDSONI	HIGH	SPOTTAIL SHINER	II+	1	8	104
				ROCKBASS		1	6	57	70-104	
				ROCKBASS		II+	2	75	120-131	
				YELLOW PERCH		1	1	8	97	
				YELLOW PERCH		II+	2	55	140-151	
2	NO VEGETATION	O		ROCKBASS		I	5	57	77- 88	
				ROCKBASS		II+	3	124	120-135	
				PUMPKINSEED		II+	1	12	90	
				SMALLMOUTH BASS		I	1	10	84	
				YELLOW PERCH		II+	1	32	142	
3	MYRIO. EXALBESC	MED.		ROCKBASS		I	2	40	91-108	
				ROCKBASS		II+	1	33	118	
				YELLOW PERCH		II+	1	42	156	
4	NO VEGETATION	O		ROCKBASS		II+	4	482	160-195	
				YELLOW PERCH		II+	1	58	173	
HENNEPIN	1	VALLISNERIA AMER	LOW	ROCKBASS		II+	1	90	160	
				YELLOW PERCH		II+	17	807	144-185	
2	VALLISNERIA AMER	MED.		SMALLMOUTH BASS		I	1	28	106	
3	VALLISNERIA AMER	HIGH		ROCKBASS		II+	1	85	162	
				YELLOW PERCH		II+	11	564	144-168	
4	NO VEGETATION	O		HORNYHEAD CHUB		I+	1	32	120	
				YELLOW PERCH		II+	13	755	134-196	
STONY	1	MYRIO. EXALBESC	HIGH	STONECAT		II+	1	108	232	
				ROCKBASS		II+	1	228	230	
2	NO VEGETATION	O		CHANNEL CATFISH		II+	3	2122	328-471	
				ROCKBASS		II+	1	242	225	
3	MYRIO. EXALBESC	HIGH		AMERICAN EEL		II+	1	360	602	
				WALLEYE		II+	1	1100	472	
4	NO VEGETATION	O		ALEWIFE		O	2	20	84- 86	
				STONECAT		II+	8	804	115-248	
				ROCKBASS		II+	1	88	156	
				BLACK CRAPPIE		II+	1	178	227	