

ECOLOGICAL STUDY OF THE TIDAL SEGMENT OF THE
JAMES RIVER ENCOMPASSING HOG POINT

1975 Final Technical Report

Appendices to

Section 3 A

PLANT ENTRAINMENT OF ICHTHYOPLANKTON
AT THE VEPCO NUCLEAR POWER STATION

by

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Virginia Institute of Marine Science
Gloucester Point, Virginia 23062

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Appendix starts with page 48

Appendix Table 1. (continued)

APRIL 22 - APRIL 23, 1975

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	93												
BREVOORTIA TYRANNUS		7.00	17.00	9.00	9.00	1.00			3.00	9.00	8.00	3.00	6.00
LEIOSTOMUS XANTHURUS				1.00									1.00
ANGUILLA ROSTRATA													
ANCHOA MITCHILLI		1.00	2.00							1.00	1.00		
MENIDIA BERYLLINA												1.00	
UNIDENTIFIED									1.00				
	132												
BREVOORTIA TYRANNUS		16.00	34.00	5.00	7.00	1.00		2.00	4.00	6.00	5.00	8.00	6.00
MICROPOGON UNDULATUS				1.00	1.00								
LEIOSTOMUS XANTHURUS					1.00	2.00				1.00	2.00		1.00
ANCHOA MITCHILLI		150.00	130.00	15.00	3.00	2.00	3.00		1.00	1.00	2.00		1.00
MENIDIA BERYLLINA				1.00									
UNIDENTIFIED		1.00											
	168												
BREVOORTIA TYRANNUS		12.00	6.00	2.00	7.00	4.00	8.00	4.00	1.00	8.00	6.00	12.00	14.00
MICROPOGON UNDULATUS					1.00		1.00						
LEIOSTOMUS XANTHURUS				6.00	2.00	1.00	2.00			5.00	5.00		1.00
ANGUILLA ROSTRATA						1.00							
ANCHOA MITCHILLI						1.00			1.00		1.00	2.00	5.00
MENIDIA BERYLLINA									1.00				
UNIDENTIFIED											1.00		
	210												
LEIOSTOMUS XANTHURUS		5.00	1.00	2.00	2.00	1.00	1.00			9.00	3.00	2.00	3.00
MICROPOGON UNDULATUS				1.00	3.00						1.00		
BREVOORTIA TYRANNUS		3.00	4.00	5.00	2.00	2.00	1.00	2.00		8.00	5.00	1.00	3.00
ANGUILLA ROSTRATA		4.00	2.00					1.00	3.00	2.00			1.00
ANCHOA MITCHILLI				1.00	1.00			2.00		5.00	6.00	3.00	4.00
MENIDIA BERYLLINA								1.00	2.00				

Appendix Table 1. (continued)

51

MAY 1 - MAY 2, 1975

SPECIES	STATION TIME	INTAKE				DISCHARGE							
		SURFACE LEFT	RIGHT	MIDWATER LEFT	RIGHT	BOTTOM LEFT	RIGHT	SURFACE LEFT	RIGHT	MIDWATER LEFT	RIGHT	BOTTOM LEFT	RIGHT
	91												
BREVOORTIA TYRANNUS			1.00		1.00							1.00	1.00
CYPRINUS CARPIO												1.00	
ANCHOA MITCHILLI												1.00	1.00
MENIDIA MENIDIA			1.00										
	129												
BREVOORTIA TYRANNUS					1.00			1.00	2.00	1.00	2.00	2.00	2.00
ANCHOA MITCHILLI										1.00			1.00
UNIDENTIFIED					1.00								
	169												
NOTROPIS HUDSONIUS			1.00										
LEIOSTOMUS XANTHUKUS													1.00
BREVOORTIA TYRANNUS						6.00	2.00		1.00		5.00	2.00	
CYPRINUS CARPIO											1.00		
ANCHOA MITCHILLI													1.00
MENIDIA MENIDIA			2.00										
	210												
MICROPOGON UNDULATUS					1.00							1.00	
LEIOSTOMUS XANTHURUS				4.00	3.00	4.00	5.00		6.00	6.00			3.00
BREVOORTIA TYRANNUS				5.00	1.00		3.00			1.00			1.00
ANCHOA MITCHILLI						1.00	2.00			1.00	1.00		1.00

MAY 7 - MAY 8, 1975

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	88												
DOROSOMA SPP.			1.00										
DOROSOMA CEPEDIANUM							1.00						
CYPRINUS CARPIO				1.00									
ANCHOA MITCHILLI												1.00	
UNIDENTIFIED				1.00			1.00					2.00	
	131												
DOROSOMA SPP.								1.00					
UNIDENTIFIED				2.00									
	169												
DOROSOMA CEPEDIANUM		4.00											
ALOSA PSEUDOHARENGUS										1.00			
BREVOORTIA TYRANNUS												1.00	1.00
NOTROPIS HUDSONIUS				2.00									
DOROSOMA SPP.				1.00									
UNIDENTIFIED										1.00			
	210												
ANGUILLA ROSTRATA			1.00										
MICROPOGON UNDULATUS						1.00							
LEIOSTOMUS XANTHURUS				1.00							5.00		1.00
BREVOORTIA TYRANNUS										4.00	3.00	1.00	1.00
ANCHOA MITCHILLI											1.00		
MENIDIA BERYLLINA										1.00			
DOROSOMA SPP.				1.00									
UNIDENTIFIED							1.00						
SPECIMEN MANGLED										1.00			

MAY 14 - MAY 15, 1975

SPECIES	STATION TIME	INTAKE				DISCHARGE							
		SURFACE LEFT	RIGHT	MIDWATER LEFT	RIGHT	BOTTOM LEFT	RIGHT	SURFACE LEFT	RIGHT	MIDWATER LEFT	RIGHT	BOTTOM LEFT	RIGHT
	89												
CYPRINUS CARPIO					1.00		1.00			1.00			
LEIOSTOMUS XANTHURUS				1.00									
ANCHOA MITCHILLI												1.00	
NOTROPIS HUDSONIUS					2.00								
MENIDIA BERYLLINA								1.00					
DOROSOMA PETENENSE		2.00								2.00	2.00		3.00
UNIDENTIFIED											1.00		
	130												
DOROSOMA PETENENSE		13.00						1.00		2.00			
ANCHOA MITCHILLI													1.00
NOTROPIS HUDSONIUS								1.00					
GOBIOSOMA BOSCI				1.00									
UNIDENTIFIED				2.00	2.00					1.00			
	169												
CYPRINUS CARPIO		1.00											1.00
BREVOORTIA TYRANNUS									1.00				
ANCHOA MITCHILLI												1.00	
NOTROPIS HUDSONIUS				1.00	1.00							1.00	
MENIDIA BERYLLINA			1.00									1.00	
DOROSOMA PETENENSE		64.00	54.00				1.00			1.00	1.00		3.00
UNIDENTIFIED		1.00		5.00	5.00				1.00				1.00

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	211												
LEIOSTOMUS XANTHURUS			1.00	3.00	4.00	1.00	2.00		2.00	2.00	1.00	4.00	3.00
MICROPOGON UNDULATUS				3.00									
BREVOORTIA TYRANNUS								1.00					1.00
CYPRINUS CARPIO			1.00							1.00		2.00	1.00
ANGUILLA ROSTRATA		1.00											
ANCHOA MITCHILLI											1.00		
NOTROPIS HUDSONIUS		14.00	3.00		3.00							1.00	1.00
GOBIOSOMA BOSCI								5.00	3.00	4.00			
MEMBRAS MARTINICA							1.00						
MENIDIA BERYLLINA			1.00										
DOROSOMA PETENENSE			1.00									1.00	
UNIDENTIFIED		6.00	10.00	4.00	7.00			1.00	1.00	3.00	1.00	5.00	3.00
	11												
NOTROPIS HUDSONIUS		2.00		1.00									
MICROPOGON UNDULATUS				1.00									
LEIOSTOMUS XANTHURUS				5.00	1.00		1.00		1.00	6.00		1.00	1.00
ANGUILLA ROSTRATA									1.00				
ANCHOA MITCHILLI											1.00		
MENIDIA BERYLLINA		2.00			1.00								
DOROSOMA PETENENSE		1.00											3.00
	50												
NOTROPIS HUDSONIUS			1.00										
MICROPOGON UNDULATUS										1.00			
LEIOSTOMUS XANTHURUS								1.00		1.00		1.00	
BREVOORTIA TYRANNUS									1.00				
CYPRINUS CARPIO							2.00	1.00					
GOBIOSOMA BOSCI											1.00		
DOROSOMA PETENENSE		1.00			1.00		2.00	2.00		1.00			1.00
UNIDENTIFIED					1.00	2.00	2.00				1.00	1.00	2.00

MAY 22 - MAY 23, 1975

SPECIES	STATION TIME	INTAKE				DISCHARGE					
		SURFACE		MIDWATER		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
88											
LEIOSTOMUS XANTHURUS											1.00
ICTALURUS PUNCTATUS											
MENIDIA BERYLLINA						1.00					
MENIDIA MENIDIA						1.00					
DOROSOMA PETENENSE					1.00						
129											
SPECIMEN MANGLED											
DOROSOMA PETENENSE		6.00	7.00	9.00	5.00	1.00		1.00	2.00	2.00	1.00
LEIOSTOMUS XANTHURUS						1.00		1.00			2.00
GOBIOSOMA BOSCI				1.00			1.00				1.00
MENIDIA BERYLLINA				1.00							
MENIDIA MENIDIA							1.00			1.00	1.00
DOROSOMA SPP.				1.00							
170											
LEIOSTOMUS XANTHURUS			1.00			3.00	1.00		1.00	1.00	
CYPRINUS CARPIO							1.00		1.00		
ANGUILLA ROSTRATA							1.00				
GOBIOSOMA BOSCI											1.00
MENIDIA MENIDIA				1.00							
210											
MICROPOGON UNDULATUS							1.00				
LEIOSTOMUS XANTHURUS				2.00		5.00	2.00	1.00			
GOBIOSOMA BOSCI						1.00					
MEMBRAS MARTINICA									1.00		
MENIDIA MENIDIA				1.00		2.00					3.00
DOROSOMA PETENENSE					1.00						
SPECIMEN MANGLED								1.00			

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	10												
BREVOORTIA TYRANNUS			1.00										
LEIOSTOMUS XANTHURUS				2.00	1.00	1.00	2.00			1.00	2.00		1.00
DOROSOMA CEPEDIANUM		1.00		1.00									
CYPRINUS CARPIO											1.00		
FUNDULUS DIAPHANUS									1.00				
FUNDULUS MAJALIS				1.00									
GOBIOSOMA BOSCI					1.00				1.00				
MENIDIA MENIDIA		2.00							2.00	1.00			
MENIDIA SP.											1.00		
DOROSOMA PETENENSE					1.00				1.00				
DOROSOMA SPP.					1.00								1.00
	48												
LEIOSTOMUS XANTHURUS					1.00				1.00	1.00		1.00	
DOROSOMA CEPEDIANUM										1.00	1.00		1.00
CYPRINUS CARPIO											1.00		
FUNDULUS HETEROCLITUS											1.00		
LEPOMIS MACROCHIRUS										1.00			

MAY 29 - MAY 30, 1975

SPECIES	STATION TIME	INTAKE				DISCHARGE							
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
GOBIOSOMA BOSCI	90												1.00
MENIDIA BERYLLINA	129	5.00											
MEMBRAS MARTINICA							1.00						
DOROSOMA PETENENSE													1.00
ANCHOA MITCHILLI	170	2.00											
MICROPOGON UNDULATUS						1.00							
GOBIOSOMA BOSCI				1.00	3.00	2.00	1.00		1.00	2.00	2.00	2.00	3.00
MEMBRAS MARTINICA				1.00									
MENIDIA BERYLLINA		3.00	1.00	1.00	1.00		1.00						1.00
MENIDIA MENIDIA		3.00				4.00	2.00						
DOROSOMA PETENENSE					4.00	1.00							
DOROSOMA SPP.		8.00	2.00				1.00						
SPECIMEN MANGLED		2.00											
LEIOSTOMUS XANTHURUS	210									1.00			
ICTALURUS PUNCTATUS									1.00	1.00	3.00	1.00	2.00
CYPRINUS CARPIO													1.00
GOBIOSOMA BOSCI												1.00	
MENIDIA MENIDIA								1.00	1.00				
DOROSOMA SPP.									1.00			1.00	

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	10												
ANGUILLA ROSTRATA		1.00											
LEIOSTOMUS XANTHURUS				2.00		1.00				1.00	1.00	1.00	
BREVDORTIA TYRANNUS										1.00			
FUNDULUS DIAPHANUS						1.00							
FUNDULUS HETEROCLITUS											1.00		
GOBIOSOMA BOSCI				4.00	1.00				1.00	1.00		1.00	5.00
MENIDIA BERYLLINA					1.00								
MENIDIA MENIDIA				2.00			1.00						
DOROSOMA SPP.									1.00				
SPECIMEN MANGLED					3.00								
	51												
GOBIOSOMA BOSCI		2.00		3.00	2.00	2.00	5.00	1.00		1.00	2.00	8.00	7.00
ANCHOA MITCHILLI												1.00	1.00
MEMBRAS MARTINICA						1.00							
MENIDIA BERYLLINA					1.00								
MENIDIA MENIDIA							4.00	1.00					
ALOSA SP.					1.00								
DOROSOMA PETENENSE						1.00			1.00				

JUNE 4 - JUNE 5, 1975

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	91												
ANCHOA MITCHILLI		2.00		6.00	2.00	3.00	5.00		1.00	3.00	3.00	6.00	7.00
GOBIOSOMA BOSCI		1.00		19.00	15.00	18.00	25.00	2.00	1.00	20.00	19.00	22.00	26.00
DOROSOMA PETENENSE				1.00									
SPECIMEN MANGLED										1.00	1.00		
	130												
GOBIOSOMA BOSCI			1.00	1.00	4.00		2.00	4.00	2.00	13.00	7.00	9.00	13.00
DOROSOMA CEPEDIANUM											1.00		
CYPRINUS CARPIO										1.00			
ANCHOA MITCHILLI								1.00	1.00	2.00	1.00	1.00	1.00
MEMBRAS MARTINICA		1.00	1.00										
DOROSOMA PETENENSE										1.00			
	169												
GOBIOSOMA BOSCI		1.00	1.00	22.00	6.00	1.00	2.00	7.00	7.00	10.00	9.00	26.00	38.00
ANCHOA MITCHILLI				1.00			1.00	1.00	1.00	3.00		7.00	5.00
MEMBRAS MARTINICA		2.00											
DOROSOMA PETENENSE			1.00							1.00			
	211												
ANCHOA MITCHILLI		1.00	2.00	3.00	10.00	13.00	11.00	4.00	6.00	10.00	10.00	15.00	18.00
ALOSA AESTIVALIS						1.00							
LEIOSTOMUS XANTHURUS												1.00	1.00
SYNGNATHUS FUSCUS					1.00	2.00							
GOBIOSOMA BOSCI		20.00	33.00	38.00	40.00	39.00	60.00	10.00	15.00	61.00	59.00	102.00	114.00
MEMBRAS MARTINICA						1.00							
MENIDIA BERYLLINA			1.00	1.00									
MENIDIA MENIDIA		2.00	10.00	4.00	2.00		2.00	1.00	1.00		3.00	3.00	4.00
DOROSOMA PETENENSE										1.00		1.00	1.00

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	190												
ANGUILLA ROSTRATA			1.00	1.00								1.00	
ALOSA AESTIVALIS													1.00
LEIOSTOMUS XANTHURUS					1.00							1.00	
BREVOORTIA TYRANNUS									1.00	1.00			
ANCHOA MITCHILLI		1.00	1.00	26.00	35.00	9.00	16.00	4.00	5.00	12.00	12.00	20.00	16.00
SYNGNATHUS FUSCUS					1.00								
GOBIOSOMA BOSCI			3.00	25.00	25.00	9.00	10.00	2.00	1.00	10.00	14.00	31.00	34.00
MENIDIA BERYLLINA													1.00
MENIDIA MENIDIA				1.00		1.00			2.00	1.00	1.00		
SPECIMEN MANGLED												4.00	
	13												
LEIOSTOMUS XANTHURUS			1.00									1.00	
ALOSA AESTIVALIS												1.00	
ANCHOA MITCHILLI		6.00	9.00	69.00	61.00	234.00	263.00	38.00	16.00	46.00	34.00	55.00	54.00
SYNGNATHUS FUSCUS				1.00		2.00		1.00		1.00	1.00		
GOBIOSOMA BOSCI		12.00	13.00	92.00	103.00	117.00	109.00	24.00	13.00	52.00	58.00	57.00	66.00
MENIDIA BERYLLINA													1.00
MENIDIA MENIDIA				1.00			1.00	6.00	1.00				
	52												
ANCHOA MITCHILLI		23.00	14.00	24.00	20.00	41.00	28.00	7.00	5.00	13.00	8.00	15.00	17.00
MICROPOGON UNDULATUS						1.00					1.00		
LEIOSTOMUS XANTHURUS						2.00							
SYNGNATHUS FUSCUS													1.00
GOBIOSOMA BOSCI		11.00	8.00	18.00	8.00	17.00	30.00	4.00	5.00	16.00	18.00	15.00	11.00
MENIDIA BERYLLINA		1.00						1.00					
MENIDIA MENIDIA											1.00		

Appendix Table 1. (continued)

JUNE 24 - JUNE 25, 1975

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	89												
ANCHOA MITCHILLI		6.00	6.00	16.00	20.00	5.00	1.00	2.00	6.00	30.00	22.00	29.00	32.00
SYNGNATHUS FUSCUS				1.00									
GOBIOSOMA BOSCI		5.00	3.00	78.00	90.00	12.00	14.00	14.00	9.00	87.00	116.00	402.00	252.00
MEMBRAS MARTINICA		1.00										1.00	
SPECIMEN MANGLED								1.00					
	129												
ANCHOA MITCHILLI		2.00	2.00	11.00	3.00	84.00	94.00	16.00	15.00	28.00	17.00	24.00	22.00
GOBIOSOMA BOSCI		3.00	3.00	85.00	57.00	169.00	165.00	37.00	49.00	156.00	109.00	144.00	142.00
MEMBRAS MARTINICA		2.00											
MENIDIA BERYLLINA						1.00						1.00	
MENIDIA MENIDIA													
SPECIMEN MANGLED			1.00								3.00		2.00
	170												
ANCHOA MITCHILLI			1.00	49.00	44.00	14.00	6.00	9.00	9.00	24.00	30.00	13.00	21.00
NOTROPIS HUDSONIUS										1.00			
GOBIOSOMA BOSCI		3.00	10.00	78.00	85.00	31.00	20.00	42.00	53.00	81.00	65.00	76.00	80.00
SPECIMEN MANGLED									1.00				
	210												
ANCHOA MITCHILLI		2.00	2.00	29.00	23.00	10.00	10.00	8.00	12.00	51.00	32.00	12.00	17.00
ALOSA AESTIVALIS													2.00
SYNGNATHUS FUSCUS					1.00	1.00							
GOBIOSOMA BOSCI		24.00	25.00	13.00	21.00	54.00	38.00	38.00	36.00	127.00	100.00	101.00	86.00
MENIDIA BERYLLINA								1.00	1.00		1.00		
MENIDIA MENIDIA			1.00									1.00	2.00

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	50												
ANCHOA MITCHILLI		2.00		6.00	4.00	16.00	4.00	1.00	3.00	10.00	5.00	14.00	24.00
GOBIOSOMA BOSCI		14.00		8.00	8.00	11.00	8.00		3.00	11.00	15.00	23.00	23.00
SPECIMEN MANGLED						1.00							

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	50												
ANCHOA MITCHILLI		6.00	5.00	170.00	125.00	77.00	92.00	18.00	6.00	84.00	70.00	36.00	28.00
MICROPOGON UNDULATUS				1.00						1.00			
GOBIOSOMA BOSCI			2.00	107.00	135.00	84.00	95.00	20.00	27.00	122.00	131.00	48.00	54.00
SPECIMEN MANGLED									1.00				

Appendix Table 1. (continued)

AUGUST 13 - AUGUST 14, 1975

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	92												
ANCHOA MITCHILLI		7.00	11.00	37.00	40.00	13.00	14.00	6.00	5.00	4.00	8.00	13.00	9.00
GOBIOSOMA BOSCI				19.00	27.00	47.00	45.00	9.00	6.00	16.00	10.00	32.00	28.00
MEMBRAS MARTINICA							1.00						
MENIDIA BERYLLINA		11.00		1.00	1.00	2.00			1.00				
MENIDIA MENIDIA													
	135												
ANCHOA MITCHILLI				9.00	3.00		2.00	5.00	9.00	16.00	11.00	7.00	19.00
GOBIOSOMA BOSCI				20.00	9.00	1.00	3.00	10.00	5.00	22.00	16.00	19.00	27.00
SPECIMEN MANGLED					2.00								
	170												
ANCHOA MITCHILLI			7.00	25.00	27.00	20.00	30.00	18.00	12.00	12.00	30.00	56.00	38.00
GOBIOSOMA BOSCI		2.00	11.00	30.00	29.00	20.00	16.00	34.00	25.00	40.00	25.00	47.00	42.00
MICROPOGON UNDULATUS									1.00				
SPECIMEN MANGLED												1.00	
	210												
ANCHOA MITCHILLI		1.00		41.00			49.00	17.00	16.00	18.00	24.00	28.00	21.00
MICROPOGON UNDULATUS				2.00			2.00	2.00	2.00	6.00	2.00	5.00	3.00
CYNOSCIION REGALIS								1.00					
GOBIOSOMA BOSCI				46.00			38.00	11.00	20.00	15.00	12.00	23.00	24.00
TRINECTES MACULATUS											1.00		
SPECIMEN MANGLED								1.00		1.00			
	11												
ANCHOA MITCHILLI		1.00		44.00	67.00	27.00	33.00	18.00	22.00	25.00	32.00	30.00	32.00
MICROPOGON UNDULATUS							1.00	1.00	1.00	1.00		1.00	
ALOSA AESTIVALIS													1.00
GOBIOSOMA BOSCI				30.00	44.00	32.00	39.00	42.00	30.00	51.00	52.00	114.00	118.00

Appendix Table 1. (continued)

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	50												
ANCHOA MITCHILLI		6.00	10.00	36.00	20.00	22.00	26.00	15.00	18.00	15.00	16.00	32.00	22.00
MICROPOGON UNDULATUS								1.00	1.00	1.00			
SYNGNATHUS FUSCUS								2.00					
GOBIOSOMA BOSCI		2.00	3.00	65.00	56.00	22.00	27.00	16.00	26.00	22.00	16.00	32.00	35.00
MENIDIA BERYLLINA												1.00	
SPECIMEN MANGLED										1.00			

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	12												
ANCHOA MITCHILLI		2.00	3.00	14.00	21.00	25.00	10.00	7.00	7.00	11.00	7.00	17.00	18.00
MICROPOGON UNDULATUS													1.00
ALOSA AESTIVALIS										1.00	1.00		
NOTROPIS BIFRENATUS			1.00										
GOBIOSOMA BOSCI				2.00	1.00	3.00	1.00	1.00	1.00	2.00	2.00	1.00	4.00
MENIDIA BERYLLINA										2.00		1.00	
MENIDIA MENIDIA					1.00	1.00							
TRINECTES MACULATUS				1.00						1.00			
	51												
MENIDIA BERYLLINA		1.00											
ANCHOA MITCHILLI				3.00	5.00	17.00	10.00	5.00	3.00	5.00	11.00	12.00	8.00
GOBIOSOMA BOSCI				4.00	2.00	4.00	3.00	2.00				9.00	3.00

DECEMBER 9 - DECEMBER 10, 1975

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
ANCHOA MITCHILLI	101		1.00										
MICROPOGON UNDULATUS	139					1.00							
MICROPOGON UNDULATUS ANCHOA MITCHILLI	183						1.00			1.00		2.00	5.00
												2.00	5.00
MICROPOGON UNDULATUS ANCHOA MITCHILLI	220					1.00	2.00			1.00		5.00	5.00
													1.00
MICROPOGON UNDULATUS ANCHOA MITCHILLI	20					8.00	3.00		2.00	7.00	3.00	1.00	3.00
				1.00	1.00					1.00		1.00	1.00
MICROPOGON UNDULATUS ANCHOA MITCHILLI SPECIMEN MANGLED	60		1.00			3.00	1.00						1.00
						2.00	3.00					1.00	

Appendix Table 1. (continued)

81

JANUARY 14 - JANUARY 15, 1976

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
MICROPOGON UNDULATUS	107				1.00								
ALOSA AESTIVALIS												1.00	
ALOSA AESTIVALIS	141	3.00								2.00			
MICROPOGON UNDULATUS				2.00						3.00			
ANGUILLA ROSTRATA	183		1.00	1.00				2.00	2.00	1.00			
MICROPOGON UNDULATUS					1.00					3.00		1.00	
ALOSA AESTIVALIS												3.00	
MENIDIA BERYLLINA								1.00					
MENIDIA BERYLLINA	221	1.00											
MICROPOGON UNDULATUS				2.00						2.00			1.00
ALOSA AESTIVALIS						1.00		1.00			1.00	1.00	1.00
ANGUILLA ROSTRATA						1.00							
ALOSA AESTIVALIS	21	5.00	4.00				1.00			1.00	2.00	1.00	1.00
MICROPOGON UNDULATUS						1.00	1.00	1.00		2.00	1.00	1.00	1.00
ALOSA PSEUDOHARENGUS						1.00							
ANGUILLA ROSTRATA			1.00					1.00	1.00				1.00
MENIDIA BERYLLINA		3.00					1.00						

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	63												
ALOSA AESTIVALIS		1.00											
MICROPOGON UNDULATUS									2.00			1.00	1.00
ANGUILLA ROSTRATA										1.00			

FEBRUARY 12 - FEBRUARY 13, 1976

SPECIES	STATION TIME	INTAKE				DISCHARGE							
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	103												
BREVOORTIA TYRANNUS			1.00									1.00	
MICROPOGON UNDULATUS				4.00									
ANCHOA MITCHILLI					1.00		1.00					1.00	2.00
	140												
MICROPOGON UNDULATUS			1.00	1.00		1.00				1.00			
ALOSA AESTIVALIS		2.00	1.00	3.00	7.00						1.00		1.00
BREVOORTIA TYRANNUS		7.00	4.00	1.00	3.00								
ANCHOA MITCHILLI					1.00								
MENIDIA BERYLLINA		1.00											
	180												
ANGUILLA ROSTRATA		1.00	2.00	1.00				2.00	1.00	1.00	1.00	1.00	
MICROPOGON UNDULATUS				1.00		2.00			1.00	1.00	2.00		
ALOSA AESTIVALIS				1.00				1.00	1.00	1.00	1.00		
BREVOORTIA TYRANNUS				1.00					1.00				1.00
ANCHOA MITCHILLI										1.00			
	220												
MICROPOGON UNDULATUS			1.00	2.00	1.00		1.00			1.00			
ALOSA PSEUDOHARENGUS						1.00							
ALOSA AESTIVALIS			1.00	1.00					1.00		1.00		
BREVOORTIA TYRANNUS		8.00	1.00				1.00						
ANGUILLA ROSTRATA		4.00	2.00				1.00	1.00	2.00				
ANCHOA MITCHILLI				3.00								1.00	
NOTROPIS HUDSONIUS									1.00				

MARCH 2 - MARCH 3, 1976

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	102												
MICROPOGON UNDULATUS			1.00										1.00
ALOSA AESTIVALIS									2.00	1.00			
BREVOORTIA TYRANNUS			1.00										
ANCHOA MITCHILLI		6.00		2.00	1.00			3.00	2.00	6.00	15.00	11.00	
MENIDIA BERYLLINA		1.00											
SPECIMEN MANGLED								1.00	1.00				
	142												
ANCHOA MITCHILLI						26.00	15.00	1.00	1.00	3.00	2.00	15.00	6.00
BREVOORTIA TYRANNUS									1.00				
	182												
ANCHOA MITCHILLI		9.00			5.00	12.00	11.00		2.00	8.00	4.00	4.00	13.00
MICROPOGON UNDULATUS		6.00		14.00	13.00	9.00		5.00	2.00	4.00	11.00	3.00	6.00
ALOSA AESTIVALIS		1.00		1.00	4.00	4.00		2.00		2.00	1.00		
BREVOORTIA TYRANNUS		1.00											
ANGUILLA ROSTRATA					1.00							1.00	
	224												
MICROPOGON UNDULATUS		2.00		5.00	4.00	3.00	5.00	2.00		2.00	4.00	1.00	5.00
ALOSA AESTIVALIS								3.00	8.00	1.00	1.00	2.00	
LEIOSTOMUS XANTHURUS				1.00									
ANGUILLA ROSTRATA			1.00					3.00	2.00				
ANCHOA MITCHILLI		5.00		18.00	22.00	1.00	4.00	3.00	4.00	13.00	6.00	24.00	35.00
MENIDIA BERYLLINA								1.00					
	20												
ANGUILLA ROSTRATA		1.00								1.00			
MICROPOGON UNDULATUS				3.00	5.00	1.00	5.00	2.00	1.00	7.00	5.00	3.00	2.00
ALOSA PSEUDOHARENGUS						1.00							
ANCHOA MITCHILLI				6.00	6.00	18.00	15.00		3.00	9.00	11.00	8.00	7.00

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	59												
MICROPOGON UNDULATUS				17.00	6.00		3.00		2.00	6.00	5.00	1.00	2.00
ALOSA AESTIVALIS										1.00			
ANGUILLA ROSTRATA								2.00	1.00		1.00		
ANCHOA MITCHILLI				5.00	13.00	10.00	11.00		1.00	21.00	12.00	22.00	13.00

Appendix Table 1. (continued)

MARCH 16 - MARCH 17, 1976

SPECIES	STATION TIME	INTAKE				DISCHARGE							
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	104												
MICROPOGON UNDULATUS				1.00		1.00							
LEIOSTOMUS XANTHURUS												1.00	
BREVOORTIA TYRANNUS				1.00		3.00	1.00		1.00			1.00	1.00
ANCHOA MITCHILLI												1.00	
	142												
MICROPOGON UNDULATUS				1.00								1.00	
BREVOORTIA TYRANNUS				3.00	1.00	4.00	4.00					2.00	3.00
ANCHOA MITCHILLI												1.00	1.00
	182												
LEIOSTOMUS XANTHURUS			1.00										
MICROPOGON UNDULATUS				1.00	1.00	1.00	7.00						
BREVOORTIA TYRANNUS			1.00	6.00	1.00		2.00						
ANCHOA MITCHILLI				1.00	1.00		3.00						
	222												
BREVOORTIA TYRANNUS		1.00	1.00			2.00	1.00						
MICROPOGON UNDULATUS				6.00		2.00	1.00	1.00					
LEIOSTOMUS XANTHURUS						2.00							
ANCHOA MITCHILLI				1.00			1.00						
	22												
MICROPOGON UNDULATUS				1.00	1.00				1.00			1.00	2.00
LEIOSTOMUS XANTHURUS						1.00				1.00			
BREVOORTIA TYRANNUS				2.00	1.00	2.00	6.00		1.00			1.00	1.00
ANGUILLA ROSTRATA								1.00					
ANCHOA MITCHILLI					2.00		1.00			5.00	1.00	7.00	1.00

APRIL 6 - APRIL 7, 1976

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	103												
MORONE SAXATILIS		5.00	9.00	4.00	6.00	1.00		2.00					
ALOSA PSEUDOHARENGUS				1.00									
MORONE AMERICANA		1.00	2.00	9.00	8.00			1.00					
LEIOSTOMUS XANTHURUS		1.00											
BREVOORTIA TYRANNUS		3.00	1.00		1.00					1.00	3.00	4.00	
ANCHOA MITCHILLI										1.00			
UNIDENTIFIED		6.00											
	142												
MICROPOGON UNDULATUS							1.00						2.00
LEIOSTOMUS XANTHURUS												1.00	
BREVOORTIA TYRANNUS		1.00						3.00	1.00	4.00	7.00	3.00	
ANCHOA MITCHILLI													1.00
	180												
MICROPOGON UNDULATUS				1.00				1.00					
LEIOSTOMUS XANTHURUS					1.00								
BREVOORTIA TYRANNUS						10.00	8.00		8.00	5.00	1.00	4.00	
ANCHOA MITCHILLI						1.00			2.00	2.00	2.00	1.00	1.00
	219												
MICROPOGON UNDULATUS				2.00	1.00	2.00	6.00		3.00		2.00	1.00	
MORONE SAXATILIS				1.00									
MORONE AMERICANA				5.00									
LEIOSTOMUS XANTHURUS				1.00		4.00	3.00		2.00	2.00	3.00	2.00	
BREVOORTIA TYRANNUS				1.00		15.00	14.00	1.00	8.00	9.00	8.00	7.00	
ANGUILLA ROSTRATA						1.00		1.00				1.00	
ANCHOA MITCHILLI							2.00		1.00	2.00	1.00	1.00	

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	17												
BREVOORTIA TYRANNUS			1.00	1.00		5.00	1.00		1.00	12.00	7.00	5.00	4.00
MICROPOGON UNDULATUS						1.00	3.00		1.00	8.00	6.00	4.00	1.00
LEIOSTOMUS XANTHURUS				1.00	1.00	2.00	1.00			3.00	5.00		
ANGUILLA ROSTRATA											1.00		1.00
ANCHOA MITCHILLI										1.00	1.00		3.00
	60												
ANGUILLA ROSTRATA		1.00											
MICROPOGON UNDULATUS				2.00	1.00		1.00		1.00		1.00	1.00	1.00
MORONE SAXATILIS												1.00	
LEIOSTOMUS XANTHURUS					1.00								
BREVOORTIA TYRANNUS				1.00	1.00		1.00				1.00	2.00	1.00
ANCHOA MITCHILLI								1.00					

APRIL 19 - APRIL 20, 1976

SPECIES	STATION TIME	INTAKE				DISCHARGE								
		SURFACE LEFT	SURFACE RIGHT	MIDWATER LEFT	MIDWATER RIGHT	BOTTOM LEFT	BOTTOM RIGHT	SURFACE LEFT	SURFACE RIGHT	MIDWATER LEFT	MIDWATER RIGHT	BOTTOM LEFT	BOTTOM RIGHT	
BREVOORTIA TYRANNUS UNIDENTIFIED	102	5.00	1.00					1.00				1.00	1.00	1.00
	139													
BREVOORTIA TYRANNUS MICROPOGON UNDULATUS ANCHOA MITCHILLI	179		1.00				1.00				1.00		2.00	1.00
MENIDIA MENIDIA MICROPOGON UNDULATUS LEIOSTOMUS XANTHURUS BREVOORTIA TYRANNUS ICTALURUS PUNCTATUS ANCHOA MITCHILLI UNIDENTIFIED	222	1.00			1.00							1.00	1.00	1.00
					1.00					1.00	2.00	1.00	1.00	1.00
							1.00			3.00	3.00	1.00	1.00	1.00
									3.00		1.00		2.00	3.00
				1.00									2.00	3.00
MICROPOGON UNDULATUS LEIOSTOMUS XANTHURUS BREVOORTIA TYRANNUS ANGUILLA ROSTRATA ANCHOA MITCHILLI SPECIMEN MANGLED	23		1.00	3.00	1.00						3.00		1.00	
					1.00									
			1.00					1.00			2.00		1.00	
										1.00				
											1.00			1.00

APRIL 28 - APRIL 29, 1976

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
BREVOORTIA TYRANNUS	92	1.00						1.00				1.00	
LEIOSTOMUS XANTHURUS										1.00	1.00	2.00	1.00
ANCHOA MITCHILLI								1.00					
GOBIOSOMA BOSCI													1.00
MENIDIA MENIDIA													
BREVOORTIA TYRANNUS	129							1.00					1.00
GOBIOSOMA BOSCI						1.00							
DOROSOMA CEPEDIANUM	170		1.00										
BREVOORTIA TYRANNUS						1.00	2.00			2.00			
ANCHOA MITCHILLI								1.00		1.00			
GOBIOSOMA BOSCI			1.00										
MICROPOGON UNDULATUS	212												
LEIOSTOMUS XANTHURUS				1.00		2.00						1.00	
BREVOORTIA TYRANNUS							3.00	2.00					4.00
MENIDIA BERYLLINA	11		2.00	2.00				1.00	1.00				
MICROPOGON UNDULATUS								1.00				1.00	1.00
LEIOSTOMUS XANTHURUS						2.00				1.00			
BREVOORTIA TYRANNUS						19.00	8.00	1.00		2.00		3.00	
ANCHOA MITCHILLI						1.00	1.00			2.00			
MENIDIA MENIDIA		2.00	1.00			2.00	2.00						

Appendix Table 1. (continued)

MAY 5 - MAY 6, 1976

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	92												
BREVOORTIA TYRANNUS		2.00						1.00	2.00			2.00	
MICROPOGON UNDULATUS				1.00								1.00	
LEIOSTOMUS XANTHURUS													
ANGUILLA ROSTRATA								1.00					
ANCHOA MITCHILLI								1.00		1.00			
	135												
ANCHOA MITCHILLI										1.00			
LEIOSTOMUS XANTHURUS													1.00
BREVOORTIA TYRANNUS				3.00							1.00	1.00	
MENIDIA BERYLLINA		2.00											
MENIDIA MENIDIA		1.00											
	171												
MENIDIA MENIDIA		1.00											
BREVOORTIA TYRANNUS								1.00					1.00
ANCHOA MITCHILLI										1.00		1.00	1.00
GOBIOSOMA BOSCI													1.00
	212												
LEIOSTOMUS XANTHURUS		1.00		1.00	1.00				1.00			1.00	1.00
MICROPOGON UNDULATUS										1.00			
BREVOORTIA TYRANNUS		1.00				2.00	1.00	20.00	4.00	12.00	5.00	7.00	6.00
ANGUILLA ROSTRATA			1.00						1.00				
ANCHOA MITCHILLI						1.00		4.00	1.00	1.00	7.00	1.00	5.00
ELOPS SAURUS								1.00					

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	13												
GOBIOSOMA BOSCI			1.00										
MICROPOGON UNDULATUS						1.00				2.00			1.00
MORONE SAXATILIS				1.00									
BREVOORTIA TYRANNUS					2.00			2.00		1.00	3.00	2.00	1.00
ANCHOA MITCHILLI											3.00		5.00
ELOPS SAURUS								1.00					
DOROSOMA PETENENSE													1.00
	53												
MENIDIA BERYLLINA													1.00
DOROSOMA PETENENSE									1.00				

MAY 11 - MAY 12, 1976

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	95												
GOBIOSOMA BOSCI					1.00								
MEMBRAS MARTINICA		3.00											
MENIDIA BERYLLINA		6.00	1.00		1.00								
MENIDIA MENIDIA		49.00	2.00	8.00	4.00	1.00	1.00		1.00				
	133												
ANCHOA MITCHILLI													1.00
MENIDIA MENIDIA											2.00		
	170												
ANCHOA MITCHILLI													1.00
MICROPOGON UNDULATUS													1.00
LEIOSTOMUS XANTHURUS					1.00								
BREVOORTIA TYRANNUS							1.00		1.00				
GOBIOSOMA BOSCI			1.00	2.00	1.00				2.00		2.00		
MENIDIA MENIDIA				1.00	1.00			1.00	1.00			1.00	1.00
	210												
ANCHOA MITCHILLI											1.00	1.00	
BREVOORTIA TYRANNUS									3.00			2.00	1.00
ANGUILLA ROSTRATA											1.00		
GOBIOSOMA BOSCI				2.00		1.00							
MENIDIA BERYLLINA		1.00		2.00	1.00	1.00	2.00			1.00		2.00	
MENIDIA MENIDIA		2.00	2.00						3.00	1.00		3.00	
ELOPS SAURUS						1.00							

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	11												
ANGUILLA ROSTRATA		1.00	1.00										
MICROPOGON UNDULATUS					1.00								
LEIOSTOMUS XANTHURUS									1.00				
BREVOORTIA TYRANNUS								2.00	2.00			1.00	
ANCHOA MITCHILLI				1.00		1.00	2.00		1.00	2.00		1.00	
GOBIOSOMA BOSCI				3.00			1.00	2.00				1.00	1.00
MENIDIA BERYLLINA			1.00	2.00			2.00				1.00		1.00
MENIDIA MENIDIA		3.00								1.00			
	52												
ANCHOA MITCHILLI		1.00			1.00								
GOBIOSOMA BOSCI				1.00		2.00	2.00				1.00	1.00	

Appendix Table 1. (continued)

JUNE 3 - JUNE 4, 1976

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	90												
GOBIOSOMA BOSCI		2.00		15.00	7.00	4.00	5.00	1.00		5.00	3.00	9.00	4.00
MENIDIA BERYLLINA			1.00										
MENIDIA MENIDIA		7.00	3.00	2.00		1.00				1.00			2.00
MENIDIA SP.			2.00										
	133												
GOBIOSOMA BOSCI							1.00			2.00		1.00	
MENIDIA MENIDIA		1.00	8.00		1.00		1.00						
	170												
ANCHOA MITCHILLI										1.00			
GOBIOSOMA BOSCI					1.00		2.00	3.00		3.00	1.00	10.00	2.00
MENIDIA BERYLLINA		1.00											
	211												
BREVOORTIA TYRANNUS										1.00			
GOBIOSOMA BOSCI		1.00			1.00		2.00	1.00	2.00	3.00	6.00	2.00	2.00
MENIDIA BERYLLINA				1.00	5.00	2.00	2.00	1.00		2.00	1.00	1.00	
MENIDIA MENIDIA				1.00	5.00		1.00		1.00	1.00	1.00		
	13												
ANCHOA MITCHILLI									1.00				
GOBIOSOMA BOSCI		3.00		2.00		1.00	3.00	2.00	3.00	3.00	2.00	3.00	1.00
CHASMODES BOSQUIANUS				1.00									
MENIDIA BERYLLINA								1.00					
MENIDIA MENIDIA					1.00						1.00		
	51												
GOBIOSOMA BOSCI							1.00					1.00	

JUNE 28 - JUNE 29, 1976

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	94												
ANCHOA MITCHILLI		2.00						2.00		4.00		5.00	1.00
LEIOSTOMUS XANTHURUS				1.00									
GOBIOSOMA BOSCI		1.00		34.00	18.00	6.00	4.00	41.00	13.00	62.00	34.00	67.00	42.00
MENIDIA BERYLLINA			2.00						1.00				
MENIDIA MENIDIA		9.00											1.00
	132												
GOBIOSOMA BOSCI			4.00	8.00	2.00	68.00	88.00	23.00	33.00	41.00	63.00	54.00	53.00
ANCHOA MITCHILLI				1.00		2.00	3.00						2.00
MEMBRAS MARTINICA				1.00									
MENIDIA BERYLLINA				1.00		11.00	2.00						
MENIDIA MENIDIA						2.00							
	171												
ANCHOA MITCHILLI		1.00		5.00	10.00	3.00	6.00		2.00	1.00		5.00	5.00
DOROSOMA CEPEDIANUM								1.00					
GOBIOSOMA BOSCI				173.00	250.00	216.00	229.00	113.00	107.00	174.00	190.00	162.00	278.00
MENIDIA BERYLLINA			13.00										
MENIDIA MENIDIA		1.00			1.00					1.00	1.00		
DOROSOMA PETENENSE										1.00			
	219												
LUCANIA PARVA			1.00										1.00
ANGUILLA ROSTRATA													1.00
ANCHOA MITCHILLI				6.00	11.00	8.00	7.00	1.00	4.00	1.00	5.00	4.00	1.00
GOBIOSOMA BOSCI		4.00	10.00	36.00	41.00	62.00	53.00	29.00	9.00	20.00	50.00	60.00	54.00
MEMBRAS MARTINICA								1.00					
MENIDIA BERYLLINA					1.00	1.00				1.00			

Appendix Table 2. Species and calculated number of fish per 100m³ captured during 24-hour plant entrainment stations at VEPCO Surry Nuclear Power Station from April, 1975 through June, 1976 (Station time expressed as hour and tenths, EST).

APRIL 22 - APRIL 23, 1975

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	93												
BREVOORTIA TYRANNUS		60.87	145.30	26.79	21.58	6.94		7.11	21.13	17.06		8.75	14.89
LEIOSTOMUS XANTHURUS				2.98									
ANGUILLA ROSTRATA													2.48
ANCHOA MITCHILLI		8.70	17.09						2.35	2.13			
MENIDIA BERYLLINA												2.92	
UNIDENTIFIED								2.37					
	132												
BREVOORTIA TYRANNUS		46.38	97.98	11.36	10.77	3.19		4.65	8.47	14.96	10.99	27.30	16.95
MICROPOGON UNDULATUS				2.27	1.54								
LEIOSTOMUS XANTHURUS					1.54	6.39			2.49	4.40			2.82
ANCHOA MITCHILLI		434.78	374.64	34.09	4.62	6.39	9.49	2.12	2.49	4.40			2.82
MENIDIA BERYLLINA				2.27									
UNIDENTIFIED		2.90											
	168												
BREVOORTIA TYRANNUS		83.33	33.71	7.97	25.00	14.08	25.89	11.27	2.38	22.10	14.67	33.24	31.75
MICROPOGON UNDULATUS					3.57		3.24						
LEIOSTOMUS XANTHURUS				23.90	7.14	3.52	6.47			13.81	12.22		2.27
ANGUILLA ROSTRATA						3.52							
ANCHOA MITCHILLI						3.52			2.38		2.44	5.54	11.34
MENIDIA BERYLLINA									2.38				
UNIDENTIFIED											2.44		
	210												
LEIOSTOMUS XANTHURUS		34.72	5.08	8.26	6.76	6.25	5.46			14.63	6.13	5.75	6.79
MICROPOGON UNDULATUS				4.13	10.14						2.04		
BREVOORTIA TYRANNUS		20.83	20.30	20.66	6.76	12.50	5.46	4.96		13.01	10.22	2.87	6.79
ANGUILLA ROSTRATA		27.78	10.15					2.48	6.80	3.25			2.26
ANCHOA MITCHILLI				4.13	3.38			4.96		8.13	12.27	8.62	9.05
MENIDIA BERYLLINA								2.48	4.54				

MAY 1 - MAY 2, 1975

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	91												
BREVOORTIA TYRANNUS			5.13		3.72							3.56	3.19
CYPRINUS CARPIO												3.08	
ANCHOA MITCHILLI												3.08	3.19
MENIDIA MENIDIA			5.13										
	129												
BREVOORTIA TYRANNUS					11.49			4.29	7.02	3.61		7.25	7.72
ANCHOA MITCHILLI										3.61			3.86
UNIDENTIFIED					11.49								
	169												
NOTROPIS HUDSONIUS			32.26										
LEIOSTOMUS XANTHURUS													3.30
BREVOORTIA TYRANNUS						16.04	5.85			3.29		16.08	6.60
CYPRINUS CARPIO												3.22	
ANCHOA MITCHILLI													3.30
MENIDIA MENIDIA			64.52										
	210												
MICROPOGON UNDULATUS					3.10							3.15	
LEIOSTOMUS XANTHURUS				13.51	9.29	12.46	16.89		18.18	19.05			10.60
BREVOORTIA TYRANNUS				16.89	3.10		10.14			3.17			3.53
ANCHOA MITCHILLI						3.12	6.76			3.17		3.15	3.53

MAY 7 - MAY 8, 1975

SPECIES	STATION TIME	INTAKE				DISCHARGE					
		SURFACE		MIDWATER		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	88										
DOROSOMA SPP.			2.57								
DOROSOMA CEPEDIANUM							5.13				
CYPRINUS CARPIO				9.17							
ANCHOA MITCHILLI											3.70
UNIDENTIFIED				9.17			5.13				7.41
	131										
DOROSOMA SPP.								3.70			
UNIDENTIFIED				11.83							
	169										
DOROSOMA CEPEDIANUM		24.39									
ALOSA PSEUDOHARENGUS									3.97		
BREVOORTIA TYRANNUS										2.02	3.98
NOTROPIS HUDSONIUS			11.90								
DOROSOMA SPP.			5.95								
UNIDENTIFIED									3.97		
	210										
ANGUILLA ROSTRATA			8.62								
MICROPOGON UNDULATUS						18.52					
LEIOSTOMUS XANTHURUS				10.99							
BREVOORTIA TYRANNUS									15.09	18.32	3.75
ANCHOA MITCHILLI									10.99	3.98	3.75
MENIDIA BERYLLINA									3.66		
DOROSOMA SPP.				10.99					3.77		
UNIDENTIFIED					6.62						
SPECIMEN MANGLED									4.05		

MAY 14 - MAY 15, 1975

SPECIES	STATION TIME	INTAKE				DISCHARGE							
		SURFACE LEFT	SURFACE RIGHT	MIDWATER LEFT	MIDWATER RIGHT	BOTTOM LEFT	BOTTOM RIGHT	SURFACE LEFT	SURFACE RIGHT	MIDWATER LEFT	MIDWATER RIGHT	BOTTOM LEFT	BOTTOM RIGHT
	89												
CYPRINUS CARPIO					4.24					3.22			
LEIOSTOMUS XANTHURUS				3.52									2.54
ANCHOA MITCHILLI													
NOTROPIS HUDSONIUS					8.47								
MENIDIA BERYLLINA								3.17					
DOROSOMA PETENENSE		10.99								5.42	5.46		7.61
UNIDENTIFIED										2.73			
	130												
DOROSOMA PETENENSE		89.66						3.31		5.24			
ANCHOA MITCHILLI													3.23
NOTROPIS HUDSONIUS								3.31					
GOBIOSOMA BOSCI				8.77									
UNIDENTIFIED				17.54	8.55					2.62			
	169												
CYPRINUS CARPIO		4.27											2.79
BREVOORTIA TYRANNUS									2.99				
ANCHOA MITCHILLI											2.71		
NOTROPIS HUDSONIUS				3.95	3.53						2.71		
MENIDIA BERYLLINA			3.75										
DOROSOMA PETENENSE		273.50	202.25		3.53					2.70	2.71	8.36	
UNIDENTIFIED		4.27		19.76	17.67				2.99			2.79	

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	211												
LEIOSTOMUS XANTHURUS			7.04	25.64	22.47	5.29	11.36		6.33	5.12	2.60	12.01	8.82
MICROPOGON UNDULATUS				25.64									
BREVOORTIA TYRANNUS								3.16					2.94
CYPRINUS CARPIO			7.04						2.56			6.01	2.94
ANGUILLA ROSTRATA		7.19											
ANCHOA MITCHILLI											2.60		
NOTROPIS HUDSONIUS		100.72	21.13		16.85							3.00	2.94
GOBIOSOMA BOSCI								15.82	9.49	10.23			
MEMBRAS MARTINICA							5.68						
MENIDIA BERYLLINA			7.04										
DOROSOMA PETENENSE			7.04									3.00	
UNIDENTIFIED		43.17	70.42	34.19	39.33			3.16	3.16	7.67	2.60	15.02	8.82
	11												
NOTROPIS HUDSONIUS		13.42		6.71									
MICROPOGON UNDULATUS				6.71									
LEIOSTOMUS XANTHURUS				33.56	4.98		6.17		3.29	18.35		5.15	3.13
ANGUILLA ROSTRATA									3.29				
ANCHOA MITCHILLI											3.04		
MENIDIA BERYLLINA		13.42			4.98								
DOROSOMA PETENENSE		6.71											9.38
	50												
NOTROPIS HUDSONIUS			4.24										
MICROPOGON UNDULATUS										2.89			
LEIOSTOMUS XANTHURUS								2.90		2.89		2.75	
BREVOORTIA TYRANNUS									2.91				
CYPRINUS CARPIO							8.51	2.90					
GOBIOSOMA BOSCI											2.88		
DOROSOMA PETENENSE		3.52			3.62		8.51			2.89			2.81
UNIDENTIFIED					3.62	10.20	8.51				2.88	2.75	5.62

MAY 22 - MAY 23, 1975

SPECIES	STATION TIME	INTAKE				DISCHARGE							
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	88												
LEIOSTOMUS XANTHURUS							7.09						
ICTALURUS PUNCTATUS													4.42
MENIDIA BERYLLINA								5.92					
MENIDIA MENIDIA								5.92					
DOROSOMA PETENENSE					7.58								
	129												
SPECIMEN MANGLED													
DOROSOMA PETENENSE		54.05	56.00	38.63	18.32			5.08	4.33	7.04	8.81	4.17	8.73
LEIOSTOMUS XANTHURUS									4.33				
GOBIOSOMA BOSCI				4.29			4.08						4.37
MENIDIA BERYLLINA				4.29									
MENIDIA MENIDIA									4.33			4.17	4.37
DOROSOMA SPP.				4.29									
	170												
LEIOSTOMUS XANTHURUS			10.75				21.43				5.38	5.21	
CYPRINUS CARPIO											5.38		
ANGUILLA ROSTRATA													
GOBIOSOMA BOSCI													
MENIDIA MENIDIA					9.26								9.71
	210												
MICROPOGON UNDULATUS													
LEIOSTOMUS XANTHURUS					15.27								
GOBIOSOMA BOSCI													
MEMBRAS MARTINICA													
MENIDIA MENIDIA					7.63							5.35	
DOROSOMA PETENENSE							6.62						20.69
SPECIMEN MANGLED									6.17				

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	10												
BREVOORTIA TYRANNUS			5.29										
LEIOSTOMUS XANTHURUS				11.11	4.98	10.42	14.93			4.20	8.51		5.68
DOROSOMA CEPEDIANUM		7.14		5.56									
CYPRINUS CARPIO											4.26		
FUNDULUS DIAPHANUS									4.63				
FUNDULUS MAJALIS				5.56									
GOBIOSOMA BOSCI					4.98				4.63				
MENIDIA MENIDIA		14.29							9.26	4.20			
MENIDIA SP.							7.46						6.02
DOROSOMA PETENENSE					4.98		7.46		4.63				
DOROSOMA SPP.					4.98								6.02
	48												
LEIOSTOMUS XANTHURUS					8.00				5.49	4.27		5.05	
DOROSOMA CEPEDIANUM										4.27	4.24		5.08
CYPRINUS CARPIO											4.24		
FUNDULUS HETEROCLITUS											4.24		
LEPOMIS MACROCHIRUS										4.27			

MAY 29 - MAY 30, 1975

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
90 GOBIOSOMA BOSCI												6.17	
129 MENIDIA BERYLLINA	52.63											6.21	
ANCHOA MITCHILLI							6.94						
MEMBRAS MARTINICA												5.81	
DOROSOMA PETENENSE													
170 ANCHOA MITCHILLI	20.00												
MICROPOGON UNDULATUS						4.37							
GOBIOSOMA BOSCI				9.01	21.13	8.73	4.31		4.85	9.85	9.76	9.62	14.29
MEMBRAS MARTINICA				9.01									
MENIDIA BERYLLINA	30.00	6.13		9.01	7.04		4.31						4.81
MENIDIA MENIDIA	30.00					17.47	8.62						
DOROSOMA PETENENSE					28.17	4.37							
DOROSOMA SPP.	80.00	12.27					4.31						
SPECIMEN MANGLED	20.00												
210 LEIOSTOMUS XANTHURUS										5.85			
ICTALURUS PUNCTATUS								5.85	5.85	16.85		9.52	14.71
CYPRINUS CARPIO													7.35
GOBIOSOMA BOSCI												9.52	
MENIDIA MENIDIA								5.88	5.85				
DOROSOMA SPP.									5.85			9.52	

SPECIES	STATION TIME	INTAKE				DISCHARGE							
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	10												
ANGUILLA ROSTRATA		8.93											
LEIOSTOMUS XANTHURUS				13.99		10.00				5.71	5.71	7.35	
BREVOORTIA TYRANNUS										5.71			
FUNDULUS DIAPHANUS						10.00							
FUNDULUS HETEROCLITUS											5.71		
GOBIOSOMA BOSCI				27.97	6.67				5.38	5.71		7.35	36.76
MENIDIA BERYLLINA					6.67								
MENIDIA MENIDIA				13.99			8.62						
DOROSOMA SPP.									5.38				
SPECIMEN MANGLED					20.00								
	51												
GOBIOSOMA BOSCI		27.40		28.57	13.70	10.81	21.93	5.46		7.94	12.66		
MEMBRAS MARTINICA						5.41							
MENIDIA BERYLLINA					6.85								
MENIDIA MENIDIA							17.54	5.46					
ALOSA SP.					6.85								
DOROSOMA PETENENSE						5.41			5.24				

Appendix Table 2. (continued)

JUNE 4 - JUNE 5, 1975

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	91												
ANCHOA MITCHILLI		29.41		38.22	19.05	81.08	161.29		6.17	14.42	14.93	28.04	33.82
GOBIOSOMA BOSCI		14.71		121.02	142.86	486.49	806.45	11.98	6.17	96.15	94.53	102.80	125.60
DOROSOMA PETENENSE				6.37									
SPECIMEN MANGLED										4.81	4.98		
	130												
GOBIOSOMA BOSCI			200.00	22.73	133.33		25.64	26.85	12.90	65.33	35.53	45.92	66.33
DOROSOMA CEPEDIANUM											5.08		
CYPRINUS CARPIO										5.03			
ANCHOA MITCHILLI								6.71	6.45	10.05	5.08	5.10	5.10
MEMBRAS MARTINICA		142.86	200.00										
DOROSOMA PETENENSE										5.03			
	169												
GOBIOSOMA BOSCI		16.39	7.75	105.26	22.99	3.94	8.73	47.62	42.94	78.13	63.83	198.47	251.66
ANCHOA MITCHILLI				4.78			4.37	6.80	6.13	23.44		53.44	33.11
MEMBRAS MARTINICA		32.79											
DOROSOMA PETENENSE			7.75							7.81			
	211												
ANCHOA MITCHILLI		8.20	13.79	14.63	44.64	65.66	55.00	19.32	29.70	44.44	45.25	64.94	76.60
ALOSA AESTIVALIS						5.05							
LEIOSTOMUS XANTHURUS												4.33	4.26
SYNGNATHUS FUSCUS					4.46	10.10							
GOBIOSOMA BOSCI		163.93	227.59	185.37	178.57	196.97	300.00	48.31	74.26	271.11	266.97	441.56	485.11
MEMBRAS MARTINICA						5.05							
MENIDIA BERYLLINA			6.90	4.88									
MENIDIA MENIDIA		16.39	68.97	19.51	8.93		10.00	4.83	4.95		13.57	12.99	17.02
DOROSOMA PETENENSE										4.44		4.33	4.26

SPECIES	STATION TIME	INTAKE				DISCHARGE							
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	49												
ANCHOA MITCHILLI		30.30		111.11	58.82	1103.45	309.28	14.88	50.60	45.87	94.80	263.16	258.06
SYNGNATHUS FUSCUS					58.82					3.06			
GOBIOSOMA BOSCI		60.61		138.89	588.24	689.66	268.04	17.86	29.76	70.34	61.16	860.68	990.32
MENIDIA MENIDIA							10.31						

JUNE 24 - JUNE 25, 1975

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	89												
ANCHOA MITCHILLI		42.55	29.85	313.73	1111.11	27.78	5.43	5.97	18.02	83.80	61.45	111.54	121.21
SYNGNATHUS FUSCUS				19.61									
GOBIOSOMA BOSCI		35.46	14.93	1529.41	5000.00	66.67	76.09	41.79	27.03	243.02	324.02	1546.15	954.55
MEMBRAS MARTINICA		7.09										3.85	
SPECIMEN MANGLED								2.99					
	129												
ANCHOA MITCHILLI		22.47	19.23	57.59	15.63	381.82	427.27	41.34	40.11	74.67	44.50	96.39	78.57
GOBIOSOMA BOSCI		33.71	28.85	445.03	296.88	768.18	750.00	95.61	131.02	416.00	285.34	578.31	507.14
MEMBRAS MARTINICA		22.47											
MENIDIA BERYLLINA						4.55							
MENIDIA MENIDIA												4.02	
SPECIMEN MANGLED			9.62								7.85		7.14
	170												
ANCHOA MITCHILLI			200.00	310.13	372.88	117.65	37.97	21.33	21.79	63.49	81.30	45.14	65.63
NOTROPIS HUDSONIUS										2.65			
GOBIOSOMA BOSCI		500.00	2000.00	493.67	720.34	260.50	126.58	99.53	128.33	214.29	176.15	263.89	250.00
SPECIMEN MANGLED									2.42				
	210												
ANCHOA MITCHILLI		12.20	11.76	426.47	258.43	89.29	123.46	21.33	32.79	141.67	86.96	38.10	53.80
ALOSA AESTIVALIS													6.33
SYNGNATHUS FUSCUS					11.24	8.93							
GOBIOSOMA BOSCI		146.34	147.06	191.18	235.96	482.14	469.14	101.33	98.36	352.78	271.74	320.63	272.15
MENIDIA BERYLLINA								2.67	2.73		2.72		
MENIDIA MENIDIA			5.88									3.17	6.33

SPECIES	STATION TIME	INTAKE				DISCHARGE							
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	50												
ANCHOA MITCHILLI		74.07		130.43	121.21	258.06	142.86	4.67	14.93	46.95	24.04	76.50	131.87
GOBIOSOMA BOSCI		518.52		173.91	242.42	177.42	285.71		14.93	51.64	72.12	125.68	126.37
SPECIMEN MANGLED						16.13							

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	50												
ANCHOA MITCHILLI		29.27	25.38	544.87	374.25	290.57	348.48	46.63	14.22	257.67	210.21	130.91	122.81
MICROPOGON UNDULATUS				3.21						3.07			
GOBIOSOMA BOSCI			10.15	342.95	404.19	316.98	359.85	51.81	63.98	374.23	393.39	174.55	236.84
SPECIMEN MANGLED									2.37				

AUGUST 13 - AUGUST 14, 1975

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	92												
ANCHOA MITCHILLI		24.39	31.43	101.37	109.29	65.00	90.91	16.44	14.45	9.59	20.78	42.62	31.25
GOBIOSOMA BOSCI				52.05	73.77	235.00	292.21	24.66	17.34	38.37	25.97	104.92	97.22
MEMBRAS MARTINICA							6.49						
MENIDIA BERYLLINA		38.33		2.74	2.73	10.00							
MENIDIA MENIDIA									2.89				
	135												
ANCHOA MITCHILLI				56.96	16.48		125.00	15.43	27.44	48.34	52.13	23.49	63.12
GOBIOSOMA BOSCI				126.58	49.45	29.41	187.50	30.86	15.24	66.47	75.83	63.76	89.70
SPECIMEN MANGLED					10.99								
	170												
ANCHOA MITCHILLI			27.45	71.23	76.27	151.52	245.90	51.14	36.47	31.83	82.87	209.74	145.04
GOBIOSOMA BOSCI		9.05	43.14	85.47	81.92	151.52	131.15	96.59	75.99	106.10	69.06	176.03	160.31
MICROPOGON UNDULATUS									3.04				
SPECIMEN MANGLED												3.75	
	210												
ANCHOA MITCHILLI		7.09		120.94			134.62	49.56	47.48	49.59	70.38	112.45	82.35
MICROPOGON UNDULATUS				5.90			5.49	5.83	5.93	16.53	5.87	20.08	11.76
CYNOSCION REGALIS								2.92					
GOBIOSOMA BOSCI				135.69			104.40	32.07	59.35	41.32	35.19	92.37	94.12
TRINECTES MACULATUS											2.93		
SPECIMEN MANGLED								2.92		2.75			
	11												
ANCHOA MITCHILLI		11.24		224.49	348.96	1928.57	2750.00	66.18	83.97	71.84	93.57	98.68	115.11
MICROPOGON UNDULATUS							83.33	3.68	3.82	2.87		3.29	
ALOSA AESTIVALIS													3.60
GOBIOSOMA BOSCI				153.06	229.17	2285.71	3250.00	154.41	114.50	146.55	152.05	375.00	424.46

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	50												
ANCHOA MITCHILLI		36.81	833.33	117.65	72.20	104.27	119.82	45.18	56.43	42.49	47.48	101.91	72.37
MICROPOGON UNDULATUS								3.01	3.13	2.83			
SYNGNATHUS FUSCUS								6.02					
GOBIOSOMA BOSCI		12.27	250.00	212.42	202.17	104.27	124.42	48.19	81.50	62.32	47.48	101.91	115.13
MENIDIA BERYLLINA												3.18	
SPECIMEN MANGLED										2.83			

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	12												
ANCHOA MITCHILLI		10.75	13.57	44.03	63.25	92.59	25.38	19.83	19.02	30.90	18.92	57.63	57.88
MICROPOGON UNDULATUS													3.22
ALOSA AESTIVALIS										2.81	2.70		
NOTROPIS BIFRENATUS			4.52										
GOBIOSOMA BOSCI				6.29	3.01	11.11	2.54	2.83	2.72	5.62	5.41	3.39	12.86
MENIDIA BERYLLINA										5.62		3.39	
MENIDIA MENIDIA					3.01	3.70							
TRINECTES MACULATUS				3.14						2.81			
	51												
MENIDIA BERYLLINA		4.90											
ANCHOA MITCHILLI				14.71	21.55	188.89	80.00	16.61	9.62	15.67	33.43	52.17	34.19
GOBIOSOMA BOSCI				19.61	8.62	44.44	24.00	6.64				39.13	12.82

OCTOBER 15 - OCTOBER 16, 1975

SPECIES	STATION TIME	INTAKE				DISCHARGE							
		SURFACE LEFT	SURFACE RIGHT	MIDWATER LEFT	MIDWATER RIGHT	BOTTOM LEFT	BOTTOM RIGHT	SURFACE LEFT	SURFACE RIGHT	MIDWATER LEFT	MIDWATER RIGHT	BOTTOM LEFT	BOTTOM RIGHT
91 ANCHOA MITCHILLI MICROPOGON UNDULATUS GOBIOSOMA BOSCI		7.04		5.71		8.06							3.98 3.98
131 MICROPOGON UNDULATUS ALOSA AESTIVALIS ANCHOA MITCHILLI GOBIOSOMA BOSCI MENIDIA BERYLLINA				4.67 4.67		4.10		4.10	4.48	4.48	4.48	4.48	7.49
172 MICROPOGON UNDULATUS ALOSA AESTIVALIS ANCHOA MITCHILLI GOBIOSOMA BOSCI				13.79		14.71		24.39 9.76	58.54 9.76	6.17 12.35	18.52 12.35 6.17	6.17 6.17	37.04 6.17
211 MICROPOGON UNDULATUS ANCHOA MITCHILLI				13.25	13.25	22.22		44.44		86.78 8.26	115.70 4.13	39.13 4.35	26.09 4.35
11 MICROPOGON UNDULATUS ALOSA AESTIVALIS ANCHOA MITCHILLI MENIDIA BERYLLINA		3.94			10.70	23.58				44.81	37.74 2.36 2.36	17.48	20.98 3.50
		15.75	7.87	16.04		9.43		14.15					

DECEMBER 9 - DECEMBER 10, 1975

SPECIES	STATION TIME	INTAKE				DISCHARGE					
		SURFACE		MIDWATER		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
ANCHOA MITCHILLI	101		200.00								
MICROPOGON UNDULATUS	139				4.61						
MICROPOGON UNDULATUS	183					4.74		3.61		6.97	17.42
ANCHOA MITCHILLI										6.97	17.42
MICROPOGON UNDULATUS	220				13.89	27.78		2.84		13.85	13.85
ANCHOA MITCHILLI											2.77
MICROPOGON UNDULATUS	20				21.56	8.09	6.56	26.92	11.54		9.20
ANCHOA MITCHILLI			4.72	4.72				3.85		3.07	3.07
MICROPOGON UNDULATUS	60		9.52		11.45	3.82					2.90
ANCHOA MITCHILLI					7.63	11.45					
SPECIMEN MANGLED								3.08			

SPECIES	STATION TIME	INTAKE						DISCHARGE							
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM			
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT		
	63														
ALOSA AESTIVALIS		45.45													
MICROPOGON UNDULATUS										5.05			3.39	3.39	
ANGUILLA ROSTRATA											2.53				

FEBRUARY 12 - FEBRUARY 13, 1976

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	103												
BREVOORTIA TYRANNUS			2.97									2.99	
MICROPOGON UNDULATUS				10.75									
ANCHOA MITCHILLI					1.51		2.43						3.85 7.84
	140												
MICROPOGON UNDULATUS			2.11	1.37		2.67				2.85			
ALOSA AESTIVALIS		10.81	2.11	4.12	9.72						2.86		2.86
BREVOORTIA TYRANNUS		37.84	8.44	1.37	4.17								
ANCHOA MITCHILLI					1.39								
MENIDIA BERYLLINA		5.41											
	180												
ANGUILLA ROSTRATA		9.01	10.47	6.02				5.52	2.71		7.19	7.19	7.19
MICROPOGON UNDULATUS				6.02		6.08			2.71	7.19	14.39		
ALOSA AESTIVALIS				6.02				2.76		7.19		7.19	
BREVOORTIA TYRANNUS				6.02					2.71				5.10
ANCHOA MITCHILLI										7.19			
	220												
MICROPOGON UNDULATUS			4.20	6.78	3.26		3.61				2.95		
ALOSA PSEUDOHARENGUS						3.06							
ALOSA AESTIVALIS			4.20	3.39						3.17		2.96	
BREVOORTIA TYRANNUS		43.24	4.20				3.61						
ANGUILLA ROSTRATA		21.62	8.40				3.61	3.21	6.35				
ANCHOA MITCHILLI				10.17									3.65
NOTROPIS HUDSONIUS									3.17				

MARCH 2 - MARCH 3, 1976

SPECIES	STATION TIME	INTAKE				DISCHARGE							
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	102												
MICROPOGON UNDULATUS			3.83										3.21
ALOSA AESTIVALIS									6.49		3.24		
BREVOORTIA TYRANNUS			3.83										
ANCHOA MITCHILLI		31.25		32.79	7.46			10.14	6.49	19.42	49.67	35.26	
MENIDIA BERYLLINA		5.21											
SPECIMEN MANGLED								3.38	3.25				
	142												
ANCHOA MITCHILLI						61.03	33.48	3.02	3.06	9.04	6.02	49.18	18.87
BREVOORTIA TYRANNUS									3.06				
	182												
ANCHOA MITCHILLI		20.55		11.31	33.15	29.49			6.37	24.32	12.46	13.65	45.14
MICROPOGON UNDULATUS		13.70		31.67	35.91	24.13	15.53	6.37	12.16	34.27	10.24	20.83	
ALOSA AESTIVALIS		2.28		2.26	11.05	10.72	6.21			6.23	3.41		
BREVOORTIA TYRANNUS		2.28											
ANGUILLA ROSTRATA				2.26								3.41	
	224												
MICROPOGON UNDULATUS		10.64		19.01	12.42	28.30	47.17	6.87		6.83	13.65	3.26	16.34
ALOSA AESTIVALIS								10.31	28.07	3.41	3.41	6.51	
LEIOSTOMUS XANTHURUS				3.80									
ANGUILLA ROSTRATA			3.77					10.31	7.02				
ANCHOA MITCHILLI		26.60		68.44	68.32	9.43	37.74	10.31	14.04	44.37	20.48	78.18	114.38
MENIDIA BERYLLINA								3.44					
	20												
ANGUILLA ROSTRATA		6.67					2.79			2.95			
MICROPOGON UNDULATUS				14.02	15.87	2.99	13.93	6.31	3.14	20.65	15.02	10.71	6.85
ALOSA PSEUDHARENGUS						2.99							
ANCHOA MITCHILLI				28.04	19.05	53.73	41.78		9.43	26.55	33.03	28.57	23.97

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	59												
MICROPOGON UNULATUS				73.91	18.58		13.16		6.43	17.49	14.97	2.96	6.87
ALOSA AESTIVALIS										2.92			
ANGUILLA ROSTRATA								6.33	3.22		2.99		
ANCHOA MITCHILLI				21.74	40.25	43.86	48.25		3.22	61.22	35.93	65.09	44.67

MARCH 16 - MARCH 17, 1976

SPECIES	STATION TIME	INTAKE				DISCHARGE							
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	104												
MICROPOGON UNDULATUS				5.68		4.20							4.90
LEIOSTOMUS XANTHURUS													4.90
BREVOORTIA TYRANNUS				5.68		12.61	4.20		3.52				4.90
ANCHOA MITCHILLI													
	142												
MICROPOGON UNDULATUS				6.17								3.13	
BREVOORTIA TYRANNUS				18.52	6.17	18.60	18.60					6.25	10.71
ANCHOA MITCHILLI												3.13	3.57
	182												
LEIOSTOMUS XANTHURUS			19.23										
MICROPOGON UNDULATUS				4.33	4.33	11.36	79.55						
BREVOORTIA TYRANNUS			19.23	25.97	4.33		22.73						
ANCHOA MITCHILLI				4.33	4.33		34.09						
	222												
BREVOORTIA TYRANNUS		6.02	6.02		17.70	16.13							
MICROPOGON UNDULATUS				53.10	17.70	16.13	16.13						
LEIOSTOMUS XANTHURUS					17.70								
ANCHOA MITCHILLI				8.85		16.13							
	22												
MICROPOGON UNDULATUS				12.20	12.20				3.36		3.05	6.67	6.67
LEIOSTOMUS XANTHURUS						43.48				3.05			
BREVOORTIA TYRANNUS				24.39	12.20	86.96	260.87		3.36			3.33	3.33
ANGUILLA ROSTRATA								3.36					
ANCHOA MITCHILLI					24.39		43.48			15.24	3.05	23.33	3.33

APRIL 6 - APRIL 7, 1976

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	103												
MORONE SAXATILIS		11.85	21.33	7.69	11.54	12.20		5.95					
ALOSA PSEUDOHARENGUS				1.92									
MORONE AMERICANA		2.37	4.74	17.31	15.38			2.98					
LEIOSTOMUS XANTHURUS		2.37											
BREVDORTIA TYRANNUS		7.11	2.37		1.92						3.01	12.93	17.24
ANCHOA MITCHILLI											3.01		
UNIDENTIFIED		14.22											
	142												
MICROPOGON UNDULATUS							12.82						7.60
LEIOSTOMUS XANTHURUS												3.80	
BREVDORTIA TYRANNUS		10.87							10.49	2.84	11.36	26.62	11.41
ANCHOA MITCHILLI													3.80
	180												
MICROPOGON UNDULATUS				2.33					3.08				
LEIOSTOMUS XANTHURUS					2.33								
BREVDORTIA TYRANNUS						20.70	16.56			24.92	15.58	3.72	14.87
ANCHOA MITCHILLI						2.07				6.23	6.23	7.43	3.72
	219												
MICROPOGON UNDULATUS				3.77	1.89	6.85	20.55			9.04		7.38	3.69
MORONE SAXATILIS				1.89									
MORONE AMERICANA				9.43									
LEIOSTOMUS XANTHURUS				1.89		13.70	10.27			6.02	6.02	11.07	7.38
BREVDORTIA TYRANNUS				1.89		51.37	47.95		3.46	24.10	27.11	29.52	25.83
ANGUILLA ROSTRATA						3.42			3.46				3.69
ANCHOA MITCHILLI							6.85			3.46		6.02	3.69

SPECIES	STATION TIME	INTAKE				DISCHARGE							
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	17												
BREVOORTIA TYRANNUS			3.33	2.05		39.06	7.81		3.19	41.10	23.97	21.74	17.39
MICROPOGON UNDULATUS						7.81	23.44		3.19	27.40	20.55	17.39	4.35
LEIOSTOMUS XANTHURUS				2.05	2.05	15.63	7.81			10.27	17.12		
ANGUILLA ROSTRATA											3.42		4.35
ANCHOA MITCHILLI										3.42	3.42		13.04
	-60												
ANGUILLA ROSTRATA		4.90											
MICROPOGON UNDULATUS				7.19	3.60		3.75		3.24		2.17	3.68	3.68
MORONE SAXATILIS												3.68	
LEIOSTOMUS XANTHURUS					3.60								
BREVOORTIA TYRANNUS				3.60	3.60		3.75				2.17	7.35	3.68
ANCHOA MITCHILLI									3.24				

APRIL 19 - APRIL 20, 1976

SPECIES	STATION TIME	INTAKE				DISCHARGE							
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
BREVOORTIA TYRANNUS UNIDENTIFIED	102	10.06	2.24 2.24					3.25		3.25		2.75	3.03
	139												
BREVOORTIA TYRANNUS MICROPOGON UNDULATUS ANCHOA MITCHILLI	179		3.58				12.66			2.89		5.80	3.27
												2.90	
MENIDIA MENIDIA MICROPOGON UNDULATUS LEIOSTOMUS XANTHURUS BREVOORTIA TYRANNUS ICTALURUS PUNCTATUS ANCHOA MITCHILLI UNIDENTIFIED	222	5.56			2.04 2.04		6.10				2.56 7.67	2.85 2.85	3.09 3.09 3.09 3.52 6.17 10.56
				2.02					8.72				
MICROPOGON UNDULATUS LEIOSTOMUS XANTHURUS BREVOORTIA TYRANNUS ANGUILLA ROSTRATA ANCHOA MITCHILLI SPECIMEN MANGLED	23		4.93	5.24	2.04 2.04					9.46			
			4.93					3.21		6.31	3.56	2.79	
										3.15			2.94

SPECIES	STATION TIME	INTAKE						DISCHARGE								
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM				
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT			
BREVDORTIA TYRANNUS ANCHOA MITCHILLI	61		15.69		1.83							6.51		2.76		6.02

MAY 5 - MAY 6, 1976

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	92												
BREVOORTIA TYRANNUS		4.74						3.14	6.12			6.04	
MICROPOGON UNDULATUS				3.50									
LEIOSTOMUS XANTHURUS												3.02	
ANGUILLA ROSTRATA								3.14					
ANCHOA MITCHILLI								3.14		3.21			
	135												
ANCHOA MITCHILLI										3.21			
LEIOSTOMUS XANTHURUS													3.19
BREVOORTIA TYRANNUS				10.07							3.25	3.29	
MENIDIA BERYLLINA		28.17											
MENIDIA MENIDIA		14.08											
	171												
MENIDIA MENIDIA		6.06											
BREVOORTIA TYRANNUS								3.41					2.87
ANCHOA MITCHILLI										3.03		2.92	2.87
GOBIOSOMA BOSCI													2.87
	212												
LEIOSTOMUS XANTHURUS		1.98		1.77	1.81				2.83			3.29	3.46
MICROPOGON UNDULATUS										3.26			
BREVOORTIA TYRANNUS		1.98				4.52	2.67	57.97	11.33	39.09	16.39	23.03	20.76
ANGUILLA ROSTRATA			2.01							2.83			
ANCHOA MITCHILLI						2.26		11.59	2.83	3.26	22.95	3.29	17.30
ELOPS SAURUS								2.90					

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	13												
GOBIOSOMA BOSCI			10.75										
MICROPOGON UNDULATUS						3.33				6.12			2.81
MORONE SAXATILIS				3.31									
BREVOORTIA TYRANNUS					9.62		6.67		2.98	9.17	6.12	2.74	14.04
ANCHOA MITCHILLI											9.17		
ELOPS SAURUS								2.92					
DOROSOMA PETENENSE													2.81
	53												
MENIDIA BERYLLINA													2.91
DOROSOMA PETENENSE									3.37				

MAY 11 - MAY 12, 1976

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	95												
GOBIOSOMA BOSCI					4.22								
MEMBRAS MARTINICA		46.88											
MENIDIA BERYLLINA		93.75	23.26		4.22								
MENIDIA MENIDIA		765.63	46.51	33.20	16.88	12.05	19.23		4.10				
	133												
ANCHOA MITCHILLI													3.19
MENIDIA MENIDIA											6.94		
	170												
ANCHOA MITCHILLI													3.55
MICROPOGON UNDULATUS													3.48
LEIOSTOMUS XANTHURUS					6.49								
BREVDORTIA TYRANNUS							3.31		3.97			3.55	3.48
GOBIOSOMA BOSCI			7.94	8.77	6.49				7.94		6.97		
MENIDIA MENIDIA				4.39	6.49			4.00	3.97			3.55	3.48
	210												
ANCHOA MITCHILLI												3.56	3.55
BREVDORTIA TYRANNUS										10.60		7.09	3.61
ANGUILLA ROSTRATA											3.56		
GOBIOSOMA BOSCI				33.90		8.00							
MENIDIA BERYLLINA		58.82		33.90	16.95	8.00	16.00			3.53		7.09	
MENIDIA MENIDIA		117.65	400.00							10.60	3.56	10.64	
ELOPS SAURUS						8.00							

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	11												
ANGUILLA ROSTRATA		16.39	22.22										
MICROPOGON UNDULATUS					15.15								
LEIGSTOMUS XANTHURUS										3.88			
BREVOORTIA TYRANNUS								7.46	7.75			4.17	
ANCHOA MITCHILLI				10.75		8.33	18.87			3.88	7.52	4.17	
GOBIOSOMA BOSCI				32.26			9.43		7.46			4.17	4.41
MENIDIA BERYLLINA			22.22	21.51			18.87				3.76		4.41
MENIDIA MENIDIA		49.18								3.88			
	52												
ANCHOA MITCHILLI		11.11				3.44							
GOBIOSOMA BOSCI						3.44	6.67	6.73			3.37	3.82	

MAY 25 - MAY 26, 1976

SPECIES	STATION TIME	INTAKE						DISCHARGE						
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM		
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	
91 SYNGNATHUS FUSCUS GOBIOSOMA BOSCI						4.22				9.35	4.07	8.06	8.06	11.72
131 BREVOORTIA TYRANNUS GOBIOSOMA BOSCI MENIDIA MENIDIA		8.93		9.35			7.22		3.85				3.58	7.27
169 GOBIOSOMA BOSCI MEMBRAS MARTINICA MENIDIA MENIDIA MENIDIA SP.			9.35	24.51	28.93	5.92							11.58	11.24
210 ANCHOA MITCHILLI GOBIOSOMA BOSCI MENIDIA BERYLLINA MENIDIA MENIDIA MENIDIA SP. ELOPS SAURUS				7.58										
			9.35	121.21	50.72	8.77	29.76	11.95	46.88	11.58	15.04	3.88	18.59	
		8.40	9.35	7.58	7.25									
		42.02	9.35					3.98	3.91	3.86	3.76		3.72	
				15.15								3.76	3.88	3.72

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	12												
BREVOORTIA TYRANNUS			6.37						3.57				
ANCHOA MITCHILLI										3.57		3.48	
SYNGNATHUS FUSCUS												3.48	
GOBIOSOMA BOSCI		6.94	6.37	34.48	28.37	10.99	18.18	10.53		7.14		3.48	10.53
MENIDIA BERYLLINA						5.49	9.09						3.51
MENIDIA MENIDIA		13.89		20.69					3.57	3.57			
MENIDIA SP.								3.51					
ELOPS SAURUS			6.37				4.55	3.51	7.14	3.57			3.51
	53												
GOBIOSOMA BOSCI			7.87		14.71					13.65		3.36	7.09

JUNE 3 - JUNE 4, 1976

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	90												
GOBIOSOMA BOSCI		7.33		47.32	31.11	26.85	49.50	4.03		18.59	11.24	26.47	12.38
MENIDIA BERYLLINA			4.93										
MENIDIA MENIDIA		25.64	14.78	6.31		6.71				3.72			6.19
MENIDIA SP.			9.85										
	133												
GOBIOSOMA BOSCI							9.35			8.00			4.17
MENIDIA MENIDIA		5.15	46.78		6.21		9.35						
	170												
ANCHOA MITCHILLI										3.79			
GOBIOSOMA BOSCI					5.05		11.11	11.49		11.36	3.86	38.61	7.30
MENIDIA BERYLLINA		5.00											
	211												
BREVOORTIA TYRANNUS										3.57			
GOBIOSOMA BOSCI		3.88			3.38		7.66	4.24	7.97	10.71	21.13	8.16	7.14
MENIDIA BERYLLINA				3.37	16.89	7.27	7.66	4.24		7.14	3.52	4.08	
MENIDIA MENIDIA				3.37	16.89		3.83		3.98	3.57	3.52		
	13												
ANCHOA MITCHILLI									5.03				
GOBIOSOMA BOSCI		20.13		9.62		3.21	10.45	10.42	15.08	18.07	8.93	12.20	4.44
CHASMODES BOSQUIANUS				4.81									
MENIDIA BERYLLINA								5.21					
MENIDIA MENIDIA					3.77						4.46		
	51												
GOBIOSOMA BOSCI							3.41					3.97	

JUNE 28 - JUNE 29 1976

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	94												
ANCHOA MITCHILLI		400.00						6.25		11.43		17.42	3.52
LEIOSTOMUS XANTHURUS				90.91									
GOBIOSOMA BOSCI		200.00		3090.91	1000.00	222.22	137.93	128.13	40.88	177.14	100.29	233.45	147.89
MENIDIA BERYLLINA			200.00						3.14				
MENIDIA MENIDIA		1800.00											3.52
	132												
GOBIOSOMA BOSCI			363.64	97.56	26.32	523.08	473.12	66.67	98.51	120.23	185.84	156.98	164.60
ANCHOA MITCHILLI				12.20		15.38	16.13						6.21
MEMBRAS MARTINICA				12.20									
MENIDIA BERYLLINA				12.20		84.62	10.75						
MENIDIA MENIDIA						15.38							
	171												
ANCHOA MITCHILLI		16.95		22.94	45.87	15.08	30.15		6.41	2.94		15.38	16.18
DOROSOMA CEPEDIANUM								3.13					
GOBIOSOMA BOSCI				793.58	1146.79	1085.43	1150.75	353.13	342.95	511.76	547.55	498.46	899.68
MENIDIA BERYLLINA			158.54										
MENIDIA MENIDIA		16.95			4.59					2.94	2.88		
DOROSOMA PETENENSE										2.94			
	219												
LUCANIA PARVA			23.26										
ANGUILLA ROSTRATA													3.13
ANCHOA MITCHILLI				171.43	407.41	285.71	155.56	3.33	13.29	3.21	16.13	12.12	3.13
GOBIOSOMA BOSCI		181.82	232.56	1028.57	1518.52	2214.29	1177.78	96.67	29.90	64.10	161.29	181.82	169.28
MEMBRAS MARTINICA								3.33					
MENIDIA BERYLLINA				37.04	35.71					3.21			



Appendix Table 3. Species and number of eggs captured during 24-hour plant entrainment stations at VEPCO Surry Nuclear Power Station from April, 1975 through June, 1976 (Decimal points are product of computer program to obtain numbers/100m³; station time expressed as hour and tenths, EST).

Eggs were not captured in our samples during all of the 24-hour sampling stations. The following dates represent stations which yielded no eggs; they have been omitted from Tables 3 and 4:

April 22-23, 1975

May 22-23, 1975

July 29-30, 1975

October 15-16, 1975

November 13-14, 1975

December 9-10, 1975

January 14-15, 1976

February 12-13, 1976

March 2-3, 1976

March 16-17, 1976

April 28-29, 1976

Appendix Table 3. (continued)

170

MAY 7 - MAY 8, 1975

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
CYPRINUS CARPIO	88							4.00		207.00	221.00	131.00	139.00
CYPRINUS CARPIO	131	1.00		1.00	1.00			4.00	8.00	7.00		10.00	14.00
CYPRINUS CARPIO	169							1.00	1.00			5.00	4.00
CYPRINUS CARPIO	210											7.00	2.00
CYPRINUS CARPIO	10	1.00			1.00			4.00	2.00	16.00	12.00	80.00	76.00
CYPRINUS CARPIO	50	2.00	1.00	5.00	4.00		11.00	34.00	21.00	85.00	121.00	53.00	271.00

Appendix Table 3. (continued)

171

MAY 14 - MAY 15, 1975

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
CYPRINUS CARPIO	89		1.00			12.00	17.00			3.00	3.00	4.00	3.00
CYPRINUS CARPIO	130										1.00		
CYPRINUS CARPIO	169							1.00			1.00	3.00	3.00
CYPRINUS CARPIO	211											1.00	
CYPRINUS CARPIO	11										1.00		
CYPRINUS CARPIO	50					1.00	2.00	1.00		1.00	2.00	6.00	1.00

MAY 29 - MAY 30, 1975

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	90												
	129												
	170												
	210												
	10												
CYPRINUS CARPIO	51											1.00	1.00

JUNE 4 - JUNE 5, 1975

SPECIES	STATION TIME	INTAKE						DISCHARGE						
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM		
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	
	91													
	130													
	169													
	211													
	10													
	48													
NOTROPIS HUDSONIUS								1.00	2.00				1.00	

JUNE 11 - JUNE 12, 1975

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
ANCHOA MITCHILLI	88	3.00	6.00	44.00	44.00	90.00	84.00	42.00	39.00	44.00	47.00	76.00	60.00
ANCHOA MITCHILLI	128			10.00	7.00	25.00	31.00	15.00	27.00	29.00	20.00	6.00	20.00
ANCHOA MITCHILLI	170	4.00		14.00	7.00	10.00	11.00	7.00	10.00	13.00	6.00	8.00	7.00
ANCHOA MITCHILLI	190	43.00	27.00	38.00	57.00	16.00	25.00	10.00	11.00	15.00	19.00	35.00	15.00
ANCHOA MITCHILLI	13	4.00	3.00	3.00	8.00	8.00	13.00	5.00	4.00	5.00	11.00	9.00	8.00
ANCHOA MITCHILLI	52	9.00	6.00	4.00	4.00	31.00	40.00		4.00	3.00	1.00		1.00

Appendix Table 3. (continued)

175

JUNE 17 - JUNE 18, 1975

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
ANCHOA MITCHILLI	88	7.00	8.00	14.00	24.00	283.00	276.00	88.00	74.00	93.00	75.00	71.00	81.00
ANCHOA MITCHILLI	130	3.00	3.00	52.00	71.00	103.00	128.00	6.00	3.00	5.00	1.00	5.00	10.00
ANCHOA MITCHILLI	170	1.00	2.00	16.00	10.00	236.00	268.00	3.00	4.00	7.00	11.00	11.00	11.00
ANCHOA MITCHILLI	212	16.00	18.00	16.00	16.00	7.00	14.00		1.00	1.00	1.00	2.00	2.00
ANCHOA MITCHILLI DOROSOMA CEPEDIANUM	10	1.00		2.00	4.00	17.00	17.00	6.00	5.00	6.00	6.00	6.00	1.00 1.00
ANCHOA MITCHILLI	49	1.00		3.00	2.00	4.00	3.00					1.00	1.00 2.00

Appendix Table 3. (continued)

176

JUNE 24 - JUNE 25, 1975

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
ANCHOA MITCHILLI	89	56.00	60.00	229.00	214.00	64.00	90.00	162.00	183.00	212.00	173.00	179.00	140.00
ANCHOA MITCHILLI	129	58.00	73.00	10.00	7.00	45.00	61.00	77.00	76.00	77.00	53.00	50.00	54.00
ANCHOA MITCHILLI	170	6.00	5.00	9.00	12.00	11.00	3.00		9.00	9.00	9.00		8.00
ANCHOA MITCHILLI	210		2.00	6.00	12.00	14.00	27.00	3.00	11.00	11.00	6.00	3.00	2.00
ANCHOA MITCHILLI	13	1.00		99.00	95.00	78.00	88.00	4.00	15.00	17.00	15.00	19.00	27.00
ANCHOA MITCHILLI	49	5.00	6.00	7.00	3.00	16.00	15.00	2.00	3.00	2.00	4.00	5.00	4.00

JULY 9 - JULY 10, 1975

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
ANCHOA MITCHILLI	93				3.00	5.00	4.00		1.00	3.00	2.00	1.00	
ANCHOA MITCHILLI	129		3.00	17.00	16.00	8.00	4.00	17.00	15.00	18.00	18.00	17.00	23.00
ANCHOA MITCHILLI	171			2.00		2.00	3.00	2.00	2.00	1.00			3.00
ANCHOA MITCHILLI	213							1.00	1.00		1.00	2.00	1.00
ANCHOA MITCHILLI	11								2.00				1.00

50

Appendix Table 3. (continued)

184

MAY 11 - MAY 12, 1976

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
ANCHOA MITCHILLI	95	5.00	6.00	6.00	12.00	3.00	1.00	6.00	19.00	19.00	16.00	13.00	5.00
ANCHOA MITCHILLI	133	2.00	4.00	4.00	5.00	7.00	5.00			2.00	5.00		2.00
ANCHOA MITCHILLI	170		1.00	4.00	3.00	9.00	20.00	3.00	6.00	2.00	2.00	3.00	9.00
ANCHOA MITCHILLI	210	2.00	5.00	22.00	29.00	13.00	27.00	11.00	8.00	20.00	12.00	15.00	32.00
ANCHOA MITCHILLI	8		11.00			21.00	11.00	5.00		3.00	17.00		
ANCHOA MITCHILLI	50		1.00	1.00		4.00	8.00	21.00	26.00	27.00	30.00	11.00	12.00

Appendix Table 3. (continued)

186

MAY 25 - MAY 26, 1976

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
ANCHOA MITCHILLI	91	13.00	11.00	106.00	141.00	111.00	140.00	59.00	12.00	38.00	19.00	29.00	20.00
ANCHOA MITCHILLI ANCHOA HEPSETUS	131	5.00	2.00	9.00	9.00	22.00	14.00	6.00	15.00	12.00	11.00	24.00 1.00	32.00
ANCHOA MITCHILLI DOROSOMA SPP.	169	20.00	17.00	42.00	44.00	64.00	54.00 1.00	6.00	6.00	7.00	10.00	4.00	13.00
ANCHOA MITCHILLI MENIDIA BERYLLINA	210	21.00	17.00	61.00	64.00	59.00	57.00	22.00	28.00	12.00	4.00	18.00	36.00 1.00
ANCHOA MITCHILLI	12	2.00	5.00	10.00	10.00	7.00	11.00	32.00	12.00	12.00	13.00	30.00	4.00
ANCHOA MITCHILLI	53	20.00	19.00	49.00	24.00	39.00	53.00	46.00	28.00	25.00	24.00	15.00	25.00

Appendix Table 3. (continued)

187

JUNE 3 - JUNE 4, 1976

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
ANCHOA MITCHILLI	90	30.00	22.00	35.00	35.00	139.00	108.00	26.00	19.00	36.00	14.00	102.00	36.00
ANCHOA MITCHILLI UNIDENTIFIED	133	94.00	102.00	281.00	284.00	258.00	272.00 1.00	143.00	98.00	172.00	145.00	134.00 1.00	189.00
ANCHOA MITCHILLI ANCHOA HEPSETUS MENIDIA MENIDIA	170	37.00	33.00	116.00	107.00	70.00 1.00	78.00	59.00	40.00	51.00	60.00	62.00 1.00	87.00 1.00
ANCHOA MITCHILLI MENIDIA MENIDIA DOROSOMA SPP.	211	2.00	1.00	24.00	12.00	2.00	19.00	18.00 1.00	14.00 1.00	27.00	36.00	24.00 3.00	51.00
ANCHOA MITCHILLI MENIDIA BERYLLINA	13	28.00	37.00	80.00	41.00	180.00	154.00	53.00	60.00	66.00	32.00	76.00 1.00	76.00
ANCHOA MITCHILLI	51	197.00	329.00	853.00		393.00	510.00	236.00	491.00	231.00	175.00	235.00	243.00

JUNE 28 - JUNE 29, 1976

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
ANCHOA MITCHILLI	94	5.00	3.00	32.00	21.00	35.00	29.00	8.00	3.00	6.00	1.00	1.00	1.00
ANCHOA MITCHILLI	132				1.00	2.00	5.00			1.00			1.00
ANCHOA MITCHILLI MENIDIA MENIDIA	171	1.00		2.00	2.00	6.00	1.00	4.00	1.00	2.00	4.00 2.00	2.00	3.00
ANCHOA MITCHILLI FUNDULUS DIAPHANUS DOROSOMA SPP.	219			1.00	1.00	4.00	1.00	22.00	5.00	20.00	79.00	19.00	73.00 3.00 1.00
ANCHOA MITCHILLI	12	1.00	6.00	3.00	4.00	4.00	8.00	32.00	26.00	25.00	16.00	57.00	10.00
ANCHOA MITCHILLI	51	9.00	4.00	12.00	11.00	12.00	33.00	60.00	113.00	40.00	121.00	181.00	311.00

Appendix Table 4. Species and calculated number of individuals per 100m³ during 24-hour plant entrainment stations at VEPCO Surry Nuclear Power Station from April, 1975 through June, 1976. (Station time expressed as hour and tenths, EST).

Eggs were not captured in our samples during all of the 24-hour sampling stations. The following dates represent stations which yielded no eggs; they have been omitted from Tables 3 and 4:

April 22-23, 1975

May 22-23, 1975

July 29-30, 1975

October 15-16, 1975

November 13-14, 1975

December 9-10, 1975

January 14-15, 1976

February 12-13, 1976

March 2-3, 1976

March 16-17, 1976

April 28-29, 1976

MAY 7 - MAY 8, 1975

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
CYPRINUS CARPIO	88							19.32		818.18	818.52	584.82	572.02
CYPRINUS CARPIO	131	5.88		5.92	4.13			14.71	31.75	27.03		35.71	48.44
CYPRINUS CARPIO	169							3.80	3.97			10.12	15.94
CYPRINUS CARPIO	210											27.89	7.49
CYPRINUS CARPIO	10	5.68			3.46			14.08	7.12	51.78	37.97	267.56	242.81
CYPRINUS CARPIO	50	10.36	4.55	53.19	33.33		50.23	128.30	77.21	292.10	414.38	197.03	981.88

Appendix Table 4. (continued)

192

MAY 14 - MAY 15, 1975

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
CYPRINUS CARPIO	89		58.82			64.17	59.65			8.13	8.20	10.15	7.61
CYPRINUS CARPIO	130										2.58		
CYPRINUS CARPIO	169								2.99		2.71	8.36	8.38
CYPRINUS CARPIO	211											3.00	
CYPRINUS CARPIO	11										3.04		
CYPRINUS CARPIO	50					5.10	8.51	2.90		2.89	5.76	16.53	2.81

JUNE 4 - JUNE 5, 1975

SPECIES	STATION TIME	INTAKE						DISCHARGE						
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM		
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	
	91													
	130													
	169													
	211													
	10													
NOTROPIS HUDSONIUS	48								5.92	11.83				5.29

JUNE 11 - JUNE 12, 1975

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
ANCHOA MITCHILLI	88	23.26	38.22	396.40	321.17	947.37	730.43	163.42	154.15	161.76	174.72	360.19	277.78
ANCHOA MITCHILLI	128			138.89	79.55	347.22	267.24	52.26	93.43	105.45	72.99	26.91	86.58
ANCHOA MITCHILLI	170	114.29		202.90	70.71	57.80	44.53	23.81	35.34	42.07	20.13	25.40	23.33
ANCHOA MITCHILLI	190	330.77	204.55	355.14	537.74	400.00	384.62	38.31	42.47	49.34	63.97	142.86	61.22
ANCHOA MITCHILLI	13	78.43	36.59	17.96	43.48	25.56	39.51	20.75	16.26	17.18	37.16	38.14	34.93
ANCHOA MITCHILLI	52	59.21	37.74	18.78	17.47	142.20	150.38		15.69	11.54	3.83		3.94

Appendix Table 4. (continued)

JUNE 24 - JUNE 25, 1975

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
ANCHOA MITCHILLI	89	397.16	298.51	4490.20	11838.89	355.56	489.13	483.58	549.55	592.18	483.24	688.46	530.30
ANCHOA MITCHILLI	129	651.69	701.92	52.36	36.46	204.55	277.27	198.97	203.21	205.33	138.74	200.80	192.86
ANCHOA MITCHILLI	170	1000.00	1000.00	56.96	101.69	92.44	18.99		21.79	23.81	24.39		25.00
ANCHOA MITCHILLI	210		11.76	88.24	134.83	125.00	333.33	8.00	30.05	30.56	16.30	9.52	6.33
ANCHOA MITCHILLI	13	7.46		473.68	719.70	772.28	792.79	10.23	38.86	52.31	46.30	69.34	89.40
ANCHOA MITCHILLI	49	34.01	43.80	23.03	9.74	135.59	107.91	5.68	8.60	5.68	12.23	16.29	13.89

AUGUST 13 - AUGUST 14, 1975

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
ANCHOA MITCHILLI	92						6.49						
	135												
ANCHOA MITCHILLI CATOSTOMUS COMMERSONI	170	18.10	7.84		8.47	7.58	8.20		3.04				3.82
ANCHOA MITCHILLI	210		24.39	171.09			184.07		2.92				3.92
ANCHOA MITCHILLI	11								3.82		5.85		
ANCHOA MITCHILLI GOBIOSOMA BOSCI	50			6.54			4.61				2.97		6.58

SEPTEMBER 3 - SEPTEMBER 4, 1975

INTAKE

DISCHARGE

SPECIES	STATION TIME	INTAKE				DISCHARGE							
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT

92

131

170

GOBIOSOMA BOSCI

6.69

210

12

51

MAY 5 - MAY 6, 1976

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
ANCHOA MITCHILLI	92	11.85	11.99	17.48	10.10			6.29	3.06	16.03	3.33		3.22
ANCHOA MITCHILLI	135	14.08		13.42	10.34		34.15			6.41	3.25		3.19
ANCHOA MITCHILLI	171							3.41	3.37				
ANCHOA MITCHILLI	212			1.77	1.81							3.29	3.46
ANCHOA MITCHILLI	13				9.62	6.67	16.67		5.95	6.12			5.62
ANCHOA MITCHILLI	53	59.17	51.43	28.90	38.69	21.67	22.51	3.41	3.37	2.94	2.92	2.92	5.81

MAY 11 - MAY 12, 1976

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
ANCHOA MITCHILLI	95	78.13	139.53	24.90	50.63	36.14	19.23	23.90	77.87	82.25	64.78	47.97	19.16
ANCHOA MITCHILLI	133	15.27	33.33	15.56	25.91	32.26	30.49			6.60	17.36		6.12
ANCHOA MITCHILLI	170		7.94	17.54	19.48	26.55	66.23	12.00	23.81	6.99	6.97	10.64	31.36
ANCHOA MITCHILLI	210	117.65	1000.00	372.88	491.53	104.00	216.00	42.31	31.25	70.67	42.70	53.19	115.52
ANCHOA MITCHILLI	8		96.49			77.49	40.59	19.38		10.31	58.02		
ANCHOA MITCHILLI	50		4.24	4.33		26.32	36.20	93.33	115.04	101.50	114.50	40.15	43.80

MAY 25 - MAY 26, 1976

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
ANCHOA MITCHILLI	91	68.42	54.46	504.76	582.64	468.35	530.30	275.70	50.85	154.47	76.61	116.94	78.13
ANCHOA MITCHILLI ANCHOA HEPSETUS	131	44.64	17.86	84.91	84.11	115.79	50.54	23.08	51.37	45.98	42.15	86.02 3.58	116.36
ANCHOA MITCHILLI DOROSOMA SPP.	169	102.56	79.44	205.88	181.82	378.70	281.25 5.21	25.10	24.39	29.41	40.32	15.44	48.69
ANCHOA MITCHILLI MENIDIA BERYLLINA	210	176.47	158.88	462.12	463.77	517.54	339.29	87.65	109.38	46.33	15.04	69.77	133.83 3.72
ANCHOA MITCHILLI	12	13.89	31.85	68.97	70.92	38.46	50.00	112.28	42.86	42.86	45.30	105.26	20.41
ANCHOA MITCHILLI	53	144.93	149.61	544.30	352.94	629.03	883.33	161.97	97.22	85.32	85.71	50.34	88.65

Appendix Table 4. (continued)

208

JUNE 3 - JUNE 4, 1976

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
ANCHOA MITCHILLI	90	109.89	108.37	110.41	155.56	932.89	1069.31	104.84	76.92	133.83	52.43	300.00	111.46
ANCHOA MITCHILLI UNIDENTIFIED	133	484.54	596.49	1338.09	1763.98	1791.67	2542.05 9.35	624.45	420.60	688.00	614.41	558.33 4.17	780.99
ANCHOA MITCHILLI ANCHOA HEPSETUS MENIDIA MENIDIA	170	185.00	184.36	400.00	540.40	286.89 4.10	433.33	226.05	161.29	193.18	231.66	239.38	317.52 3.86 3.65
ANCHOA MITCHILLI MENIDIA MENIDIA DOROSOMA SPP.	211	7.75	3.94	80.81	40.54	7.27	72.80	76.27 4.24	55.78 3.98	96.43	126.76	97.96	182.14 12.24
ANCHOA MITCHILLI MENIDIA BERYLLINA	13	187.92	225.61	384.62	154.72	576.92	536.59	276.04	301.51	397.59	142.86	308.94 4.07	337.78
ANCHOA MITCHILLI	51	726.94	1154.39	2852.84		1505.75	1740.61	1021.65	1925.49	1054.79	717.21	932.54	886.86

JUNE 28 - JUNE 29, 1970

SPECIES	STATION TIME	INTAKE						DISCHARGE					
		SURFACE		MIDWATER		BOTTOM		SURFACE		MIDWATER		BOTTOM	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
ANCHOA MITCHILLI	94	1000.00	300.00	2909.09	1166.67	1296.30	1000.00	25.00	9.43	17.14	2.95	3.48	3.52
ANCHOA MITCHILLI	132				13.16	15.38	26.88			2.93			3.11
ANCHOA MITCHILLI MENIDIA MENIDIA	171	16.95		9.17	9.17	30.15	5.03	12.50	3.21	5.88	11.53 5.76	6.15	9.71
ANCHOA MITCHILLI FUNDULUS DIAPHANUS DOROSOMA SPP.	219			28.57	37.04	142.86	22.22	73.33	16.61	64.10	254.84	57.58	228.84 9.40 3.13
ANCHOA MITCHILLI	12	58.82	500.00	107.14	200.00	31.75	112.68	104.58	87.25	74.18	46.92	163.79	30.49
ANCHOA MITCHILLI	51	219.51	100.00	68.18	63.58	39.60	97.63	194.17	364.52	113.31	350.72	535.50	928.36