A map of the Georgia estuarine system, showing a complex network of rivers and channels. The map is overlaid with a coordinate grid. The vertical axis (latitude) is marked with 31 and 32. The horizontal axis (longitude) is marked with 81. The estuarine system is shaded in a dark grey color, while the surrounding land is a light tan color. The map is framed by a thick black border.

Technical Report Series
Number 85-7
Vol. 2

GEORGIA ESTUARINE DATA
1961-1977

Charles D. Winker
Louise C. Jaffe
James D. Howard

Georgia Marine Science Center
University System of Georgia
Skidaway Island, Georgia

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1961 - 1977

Technical Report 85-7
Vol. 2 (Last of two volumes)

by
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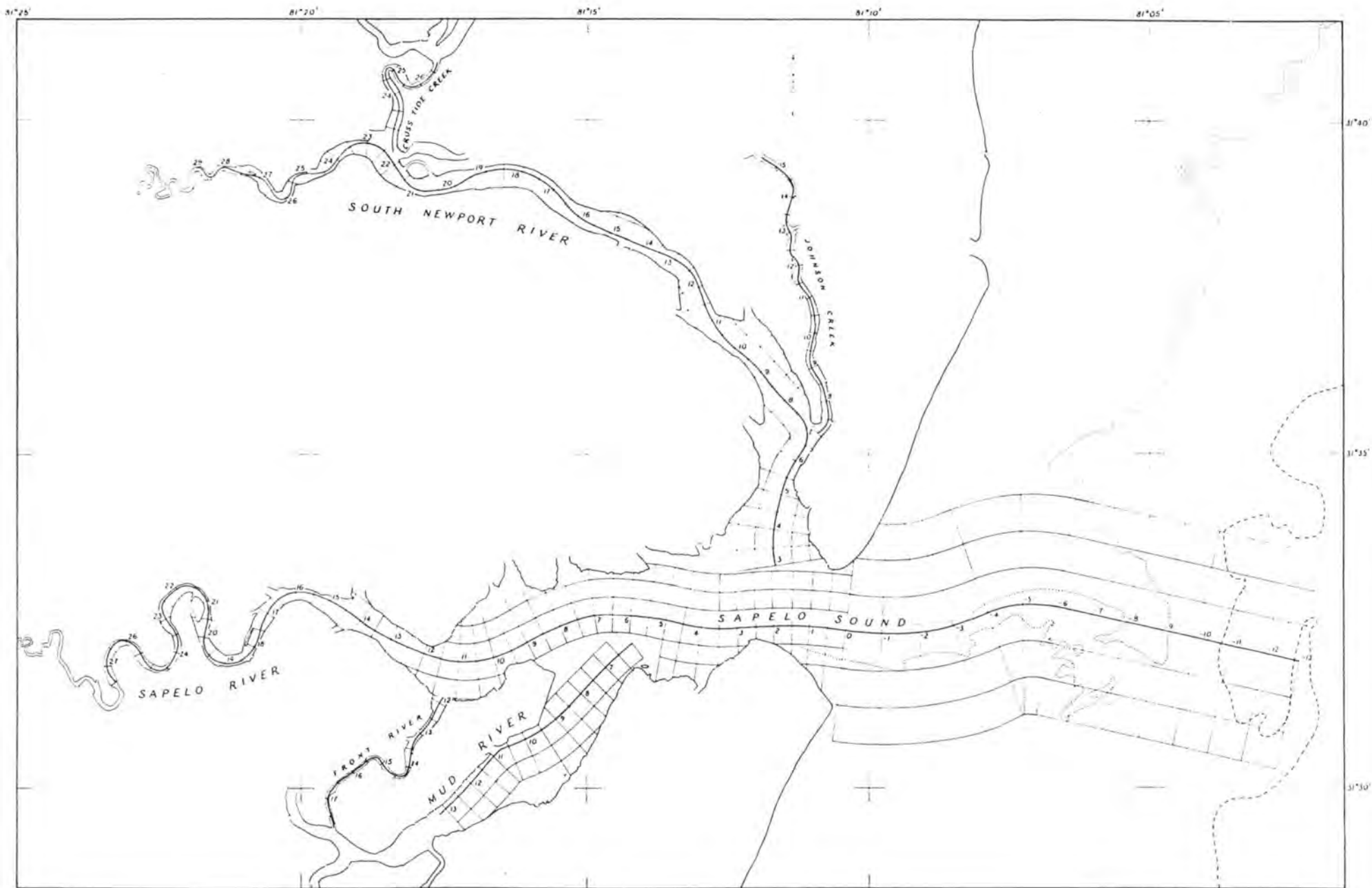


Figure 5. Station Locations, Sapelo Section

SAPELO SOUND - SAPELO RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 3.6	+0.7	31 Jan 63	----	0	28.1	8.0							e. ebb	Henry, 1963
+ 5.2	+0.3		----	0	28.1	7.7							e. ebb	
+ 7.6	-0.1		----	0	26.9	8.0							e. ebb	
				7	27.4	8.0								
+11.2	-0.8		----	0	26.9	8.7							e. ebb	
				4	27.0	9.0								
+15.4	0.0		----	0	24.5	9.0							e. ebb	
				7	24.7	9.4								
+19.5	0.0		----	0	18.2	9.0							e. ebb	
				3	18.2	9.5								
+ 1.5	+0.5	8 Feb 63	----	0	23.9	9.5							low	
				15	26.5	8.0								
+ 3.6	+0.7		----	0	23.4	9.0							low	
				5	26.4	8.8								
+ 7.6	-0.1		----	0	23.3	9.0							low	
				6	24.6	8.8								
+11.2	-0.8		----	0	22.9	9.2							low	
				4	23.3	9.2								
+15.4	0.0		----	0	18.5	9.8							low	
				4	18.6	9.5								

SAPELO SOUND - SAPELO RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 9.2	+0.5	5 Jul 67	----	0	24.1	28.8	37	040						Dahlberg, 1971
				12	24.9	28.9	14	045						
0.0	-1.3		----	0	25.0	28.8	21	045						
				7.5	25.4	28.8	6	040						
+ 9.2	+0.5	16 Aug 67	1145	0	28.1	26.5	3	180		74t	6.6			
				9.5	29.4	26.1	18	100		71t				
0.0	-1.3		1250	0	30.5	26.3	3	095		80t	6.5			
				9	30.6	26.2	2	110		30t				
+ 9.2	+0.5	7 Sep 67	1130	0	30.3	25.2	0			62t	5.5			
				11.5	30.4	25.0	21			59t				
0.0	-1.3		1245	0	31.8	25.1	43			6t	5.0			
				4.5	31.4	25.2	41			3t				
+ 9.2	+0.5	5 Oct 67	----	0	23.5	23.4					7.7	7.4		
0.0	-1.3			0	24.3	23.3						3.9	7.9	
+ 9.2	+0.5	25 Oct 67	0950	0	25.8	21.4	48	280		78t	6.3	7.8		
				11	25.7	21.4	39	315		71t				
0.0	-1.3		1055	0	26.6	21.7	33	065		57t	8.0	7.9		
				5	26.4	21.8	37	060		55t				
+ 9.2	+0.5	15 Nov 67	----	0		16.1				64t	7.1	7.8		
0.0	-1.3			0		15.7				30t	7.0	7.9		

SAPELO SOUND - SAPELO RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 9.2	+0.5	6 Dec 67		0						49t	7.7	7.9		Dahlberg, 1971
0.0	-1.3			0						29t	7.9	8.1		
+ 9.2	+0.5	10 Jan 68	----	0	28.9					73t	8.7			
0.0	-1.3			0	29.7					51t	8.7			
+ 9.2	+0.5	7 Feb 68	----	0	28.6	12.0					7.0	7.9		
0.0	-1.3			0	29.9	12.2					7.0	8.1		
+ 9.2	+0.5	28 Feb 68	----	0	30.0					84t	9.2	7.5		
0.0	-1.3			0	30.2					78t	8.8	8.0		
+ 9.2	+0.5	25 Mar 68	----	0						72t	7.5			
0.0	-1.3			0	27.0	15.6				20t	7.2			
- 6.8	-1.8	4 Apr 68	1900	0	30.7	18.6	46	360		81t	8.9			Kuroda & Marland, 1973
				1.5	31.0	18.5	36	360		81t	8.9			
				3	31.2	18.3	26	360		80t	8.3			
- 1.8	-0.4	5 Apr 68	0805	0	28.2	19.4	15	360			8.8			
				1.5	28.2	19.3	15	360		78t	8.8			
				3	29.5	19.1	26	360		76t	8.8			
				6	29.8	19.0	26	360		60t	8.8			
				7.5	30.5	18.9	15	350		52t	8.6			
-12.2	-2.4		0907	0	30.4	18.0	21	360		84t	9.1			
				3	30.4	17.8	31	360		84t	9.2			
				6	32.7	15.9	26	360		91t	9.2			
				9	32.5	15.9	15	360		88t	9.3			
				10.5	32.5	15.8	21	360		87t	9.3			

SAPELO SOUND - SAPELO RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 1.7	+0.3	5 Apr 68	1400	0	29.1	19.6	26	005		75t	9.6			Kuroda & Marland, 1973
				1.5	29.2	19.8	26	005		74t	9.6			
				3	29.1	19.8	15	010		73t	9.6			
				6	29.1	19.6	15	030		72t	9.6			
				9	29.1	19.7	15	045		70t	9.7			
				12	29.0	19.6	15	035		62t	9.7			
+ 5.8	-0.1		1430	0	27.7	20.5	31	010		77t	9.4			
				1.5	27.7	20.5	36	010		76t	9.4			
				3	27.9	19.9	31	010			9.4			
				6	28.5	19.6	15	030		69t	9.4			
				9	28.5	19.5	15	020		68t	9.4			
+ 8.5	+0.5		1455	0	27.5	20.5	26	015		73t	9.4			
				1.5	27.5	20.5	21	010		72t	9.4			
				3	27.6	20.6	31	005		73t	9.4			
				6	27.5	20.5	31	015		69t	9.4			
				9	28.1	19.8	26	025		68t	9.3			
0.0	-1.3	24 Apr 68	---	0	28.5	24.0					5.8			Dahlberg, 1971
				0	29.4	22.8					5.8			
- 6.8	-1.8	1 May 68	1332	0	31.1	22.2	21	045			6.9			Kuroda & Marland, 1973
				1.5	31.2	22.3	36	140			6.7			
				3	31.4	21.6	15	160			6.5			
				4.5	32.2	21.4	5	080			6.4			
-12.2	-2.4		1358	0	32.3	21.9	15	010			6.5			
				1.5	32.2	21.6	15	065			6.6			
				3	32.5	21.2	15	060			6.4			
				6	32.7	20.9	10	035			6.3			
				7.5	33.0	20.4	10	025			6.3			

SAPELO SOUND - SAPELO RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
-1.8	-0.4	1 May 68	1730	0	29.0	22.6	26	270			7.0			Kuroda & Marland, 1973
				1.5	29.2	22.8	26	250		7.2				
				3	28.8	22.8	26	270		6.7				
				6	29.6	22.3	36	280		6.0				
				9	29.7	22.3	21	275		5.6				
+1.7	+0.3		1755	0	29.2	22.8	15	045			7.6			
				1.5	28.9	22.8	46	160		7.6				
				3	29.2	22.9	41	190		7.5				
				6	29.8	22.8	36	185		7.4				
				9	29.7	22.7	26	180		7.4				
+5.8	-0.1		2000	0	29.2	22.7	41	280			5.6			
				1.5	29.3	22.6	41	285		5.5				
				3	29.1	22.4	41	290		5.2				
				6	29.5	22.5	41	260		6.6				
				9	29.5	22.8	41	250		6.4				
+8.5	+0.5		2020	0	28.8	22.6	31	225			4.5			
				1.5	28.6	22.4	31	230		4.3				
				3	28.7	22.7	31	235		4.2				
				6	28.9	22.6	15	210		3.5				
-2.4	-2.5	2 May 68	1225	0	30.3	23.1	31				7.2			
				1.5	30.9	22.4	21			6.4				
				3	31.0	21.7	15			6.2				

SAPELO SOUND - SAPELO RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 9.2	+0.5	9 May 68	----	0	29.3	21.5					5.5			Dahlberg, 1971
0.0	-1.3			0	29.9	22.0						5.0		
+ 9.2	+0.5	30 May 68	----	0	29.5	25.3					4.9	6.7		
0.0	-1.3			0	30.2	25.7						5.7	6.9	
+ 9.2	+0.5	24 Jun 68	----	0	27.5	28.9					8.4	7.8		
0.0	-1.3			0	27.8	29.1						7.9		
+ 9.2	+0.5	17 Jul 68	----	0	26.6	30.2						7.4		
0.0	-1.3			0	30.7	29.5							7.7	
- 6.8	-1.8	30 Jul 68	1055	0	34.6	29.8	10	025		95t	5.8			Kuroda & Marland, 1973
				1.5	35.0	30.0	5	070		95t	5.9			
				3	34.8	29.6	15	245		95t	5.8			
				4.5	35.0	29.7	15	260		95t	5.8			
-12.2	-2.4		1123	0	35.1	29.5	10	350		96t	5.7			
				1.5	35.4	29.6	15	360		96t	5.6			
				3	35.4	29.5	10	360		96t	5.4			
				6	35.3	29.0	10	315		96t	5.5			
				9	35.3	29.4	15	360		96t	5.5			
- 1.8	-0.4		1503	0	32.4	31.0	21	090		86t	5.7			
				1.5	32.1	30.9	46	055		86t	5.8			
				3	32.1	31.0	46	040		84t	5.8			
				6	32.1	30.6	46	045		84t	5.8			
+ 1.7	+0.3		1545	0	31.0	31.2	41	070		82t	5.5			
				1.5	31.4	31.2	41	060		81t	5.5			
				3	31.1	31.1	41	060		79t	5.5			
				6	31.3	31.2	41	070		79t	5.4			

SAPELO SOUND - SAPELO RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 5.8	-0.1	30 Jul 68	1730	0	29.5	31.6	41	315		77t	4.8			Kuroda & Marland, 1973
				1.5	29.4	31.3	51	345		77t	4.7			
				3	29.2	31.6	41	360		77t	4.7			
				6	30.1	31.2	21	360		76t	4.4			
				9	30.3	31.3	10	025		76t	4.2			
+ 8.5	+0.5		1745	0	28.9	31.3	26	315		82t	4.7			
				1.5	29.3	31.4	26	350		82t	4.8			
				3	29.1	31.4	26	350		82t	4.7			
				6	29.5	31.6	21	360		80t	4.5			
				8.5	29.7	31.3	5	010		76t	4.2			
+ 9.2 0.0	+0.5 -1.3	7 Aug 68	----	0	30.2	30.9					9.2	7.4	Dahlberg, 1971	
				0	31.4	30.9				6.8	7.5			
- 2.4	-2.5	14 Aug 68	1150	0	33.0	30.3	31	360			6.4		Kuroda & Marland, 1973	
				1.5	33.1	30.3	31			6.4				
				3	33.2	30.3	31			6.3				
				4	33.1	30.2	31			6.3				
+ 9.2 0.0	+0.5 -1.3	28 Aug 68	----	0	33.1	28.7						7.7	Dahlberg, 1971	
				0										
+ 9.2 0.0	+0.5 -1.3	27 Sep 68	----	0	32.3	26.7						7.2		
				0	32.8	26.5					7.2			
+ 9.2 0.0	+0.5 -1.3	16 Oct 68	----	0	28.9	24.2						7.0		
				0	30.9	23.9					6.9			

SAPELO SOUND - SAPELO RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 6.8	-1.8	31 Oct 68	0840	0	32.1	18.3	31	225		91t	8.3			Kuroda & Marland, 1973
				1.5	32.1	18.3	31		91t	8.3				
				3	32.1	18.3	26		91t	8.3				
				6.5	32.1	18.3	5		91t	8.4				
-12.2	-2.4		0910	0	33.6	19.8	31	225		92t	7.7			
				1.5	33.6	19.8	31		93t	7.6				
				3	33.6	19.8	31		93t	7.7				
				6	33.7	19.9	15		94t	7.8				
				9	33.7	19.9	15		94t	7.8				
				10.5	33.7	19.9	21		94t	7.7				
- 1.8	-0.4		1235	0	30.4	18.9	46	292		85t	7.0			
				1.5	30.5	18.7	41		82t	7.0				
				3	30.6	18.7	41		83t	7.0				
				6	30.6	18.6	36		83t	7.0				
				10	30.7	18.6	41		82t	6.9				
+ 1.7	+0.3		1256	0	30.5	18.7	82	315		87t				
				1.5	30.7	18.6	77		85t					
				3	30.7	18.6	77		84t					
				6	30.9	18.6	67		84t					
				9	31.0	18.6	57		83t					
				12	31.1	18.7	51		84t					
				15.5	31.1	18.7	51		84t					

SAPELO SOUND - SAPELO RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 5.8	-0.1	31 Oct 68	1425	0	30.4	19.2	62	270		82t	7.0			Kuroda & Marland, 1973
				1.5	30.5	18.9	62		81t	7.0				
				3	30.5	18.7	57		80t	7.0				
				6	30.5	18.6	51		82t	7.0				
				9	30.6	18.7	51		82t	7.1				
				12	30.6	18.6	46		82t	7.2				
+ 8.5	+0.5		1445	0	30.2	18.7	57	270			8.5			
				1.5	30.3	18.7	51			8.3				
				3	30.3	18.6	62			8.2				
				6	30.3	18.5	41			8.0				
				9	30.4	18.6	41			8.3				
- 2.4	-2.5	1 Nov 68	1349	0	32.2	18.8	26	292						
				1.5	32.1	18.8	26							
				2	32.1	18.7	31							
+ 9.2	+0.5	21 Nov 68	----	0	33.6	13.3				94t				Dahlberg, 1971
	0.0			-1.3	0	32.2	12.9			66t				
+ 9.2	+0.5	6 Jan 69	----	0	31.1	8.1								
	0.0			-1.3	0	31.6	8.0							
- 6.8	-1.8	7 Feb 69	0800	0	35.4	10.4	21	270			7.6			Kuroda, & Marland, 1973
				1.5	35.6	10.3	26	220		7.2				
				3	35.9	10.2	26	225		7.2				
-12.2	-2.4		0826	0	36.1	10.5	21	225			7.3			
				1.5	36.1	10.4	21	225		7.2				
				3	36.2	10.2	21	240		7.2				
				6	36.4	10.2	21	225		7.2				
				9	36.5	10.2	10	225		7.2				

SAPELO SOUND - SAPELO RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
-1.8	-0.4	7 Feb 69	1123	0	35.2	10.4	41	270			6.8			Kuroda & Marland, 1973
				1.5	35.5	10.1	10	180		6.8				
				3	35.9	10.2	10	225		6.8				
				6	36.1	10.2	15	200		6.7				
				8	36.1	10.3	15	200		6.8				
+ 1.7	+0.3		1139	0	33.7	11.5	31	270			6.6			
				1.5	34.1	11.3	15	135		6.6				
				3	34.7	11.0	5	225		6.6				
				6	34.9	10.7	15	270		6.7				
				9	35.5	10.6	15	270		6.8				
+ 5.8	-0.1		1254	0	33.7	12.1	51	100			6.5			
				1.5	33.6	11.5	51	100		6.5				
				3	34.0	10.9	36	090		6.5				
				6	34.1	11.0	31	060		6.5				
				9	34.4	10.8	21	090		6.5				
+ 8.5	+0.5		1323	0	32.1	13.8	41	090			5.4			
				1.5	33.0	12.1	46	090		5.6				
				3	33.3	11.6	41	090		5.6				
				6	33.4	11.1	46	090		5.4				
				9	33.2	11.0	41	090		5.3				
+ 9.2	+0.5	10 Feb 69	----	0	29.1	11.5				95t	8.3	7.7		Dahlberg, 1971
	0.0			-1.3	0	30.7	11.3							
+ 9.2	+0.5	6 Mar 69	----	0	27.9	11.2					7.2	7.1		

SAPELO SOUND - SAPELO RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 9.2	+0.5	1 Apr 69	----	0	28.9	16.8					6.6			Dahlberg, 1971
0.0	-1.3		----	0	29.6	16.9				41t	6.7			
+ 9.2	+0.5	1 May 69	----	0	28.9	21.8					6.2			
0.0	-1.3			0	29.0	21.9					6.1			
+ 9.2	+0.5	2 Jun 69	----	0	28.0	26.5				89t	5.9			
0.0	-1.3			0	29.9	26.0				84t	6.6			
+ 9.2	+0.5	4 Aug 69	----	0	28.3	28.6					5.5	7.4		
0.0	-1.3			0	32.2	28.8					6.4	7.7		
+25.6	0.0	2 Dec 69	1220	6.5	21.7	13.6	27	300						Howard, 1971
+23.6	0.0			5	22.3	13.1	23	220						
+21.7	0.0			6.5	22.8	13.2	23	130						
+19.7	0.0			4	24.8	13.1	21	025						
+17.7	0.0			5	26.3	13.0	18	170						
+15.7	0.0			10	26.4	13.0	14	325						
+13.8	0.0			5	27.1	13.0	12	330						
+12.0	0.0			7	27.5	13.3	12	120						
+10.1	-0.1			7	27.5	13.1	35	115						
+ 8.3	0.0			6.5	27.8	14.1	36	145						
+ 6.4	0.0			13	27.8	14.1	77	320						
+ 4.6	+0.2			10.5	27.5	13.4	87	310						
+ 2.6	+0.2			13.5	30.1	12.5	93	350						
+ 0.8	0.0			13.5	30.2	12.2	77	310						

SAPE LO SOUND - SAPE LO RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+ 9.2	+0.5	15 Dec 69	----	0	26.8	11.0					8.5	7.5		Dahlberg, 1971	
0.0	-1.3			0	30.8	10.4						8.2	7.8		
+ 9.2	+0.5	30 Jan 70	----	0	24.5	10.4						8.0			
0.0	-1.3			0	26.8	9.6							8.1		
+ 9.2	+0.5	27 Feb 70	----	0	25.0	11.5						7.9			
0.0	-1.3			0	28.1	10.7							8.1		
+ 9.2	+0.5	26 Mar 70	----	0	26.3	15.9					6.9	7.6			
0.0	-1.3			0	20.5	15.4						7.4	7.9		
+ 9.2	+0.5	29 Apr 70	----	0	20.5	26.2					5.5	7.7			
0.0	-1.3			0	22.8	25.6						5.1	7.8		
+ 1.4	0.0	14 Oct 70	0445	0			82	295					I. fld.	Howard, 1971	
				6			70	290							
				12			52	290							
+ 0.9	+1.2		0630	0	32.4	25.4	55	280	58				I. fld.		
				2	32.3	25.3	55	285	69						
				4.5	32.4	25.3	52	290	260						
+ 1.4	0.0		0655	0	31.9	25.3	46	290	70				I. fld.		
				6	31.9	25.3									
				12	32.0	25.3									
+ 0.9	+1.2		0805	0			9	270							
				3.5			9	260							

SAPELO SOUND - SAPELO RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 0.9	+1.2	14 Oct 70	0815	0			9	170					high	Howard, 1971
			0820	3.5			17	130						
			0835	0			46	120						
				3.5			21	125						
			0914	0	32.0	25.4	79	125	73	ebb				
				2	31.9	25.3	76	130	260					
	4	32.0	25.3	61	135	183								
+ 1.4	0.0		0954	0	31.6	25.3	137	115	50				ebb	
			1100	0	31.5	25.5	145	115	78	ebb				
				4.5	31.5	25.5			71					
+ 0.9	+1.2		1124	0	32.4	25.5	76	130	131	ebb				
				2	32.4	25.5			186					
				3.5	32.4	25.5								
			1230	0	32.0	25.6	69	140	120	ebb				
				1.5	32.0	25.7			115					
				3.5	32.1	25.7			183					
+ 1.4	0.0		1246	0	30.1	25.4	107	110	130	ebb				
				6	30.8	25.5			132					
			1332	0	30.6	25.5	61	110	86	l. ebb				
	5.5	30.9	25.5			97								
	10.5	30.9	25.5			105								

SAPELO SOUND - SAPELO RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 0.9	+1.2	14 Oct 70	1343	0	31.3	25.7	34	145	106				l. ebb	Howard, 1971
				1.5	31.3	25.7			114					
				2.5	31.2	25.7			112					
			1407	0	31.1	25.8	10	150	137		l. ebb			
				2.5	31.1	25.8			106					
			+ 1.4	0.0		1413	0	30.0	25.7	34	100	36		
6	30.9	25.5					79							
11.5	30.9	25.5					138							
1438	0						10	100			l. ebb			
1445	0								0			low		
1448	0						8	285			e. fld.			
+ 0.9	+1.2					1453	0	31.2	25.9	15	285	139		
			2.5	31.2	25.9		167							
			1533	0	32.1	25.8	38	285	90		flood			
1.5	32.0	25.9	110											
3	32.1	25.8	111											
+ 1.4	0.0		1550	0	30.6	25.8	81	290	17				flood	
				5.5	31.3	25.6			26					
			1647	0	31.2	25.8	84	290	48		flood			
5.5	31.2	25.8	90											
11.5	31.2	25.8	127											

SAPELO SOUND - SAPELO RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PHI	TIDE	SOURCE
+ 0.9	+1.2	14 Oct 70	1705	0	32.2	25.7	71	285	110				flood	Howard, 1971
				1.5	32.2	25.7			130					
				3.5	32.2	25.7			340					
+ 1.3	+0.6	26 Oct 70	0608	0			13	115					ebb	
				3.5			15	140						
				7.5			21	205						
				10.5			51	130						
+ 0.8	+1.1		0630	0	32.5	22.1			26				ebb	
				m	32.6	22.2			66					
				b	32.8	22.0			36					
+ 1.3	-0.3		0630	0			26	120						
				3.5			33	120						
				7.5			26	140						
				10.5			44	135						
+ 0.8	+1.1		0652	0			62	105					ebb	
				3			62	105						
				6			51	105						
+ 1.3	+0.6		0700	0	31.8	22.2			12					
				m	32.4	21.9			36					
				b	32.6	20.9			40					
+ 1.3	-0.3		0710	0	31.5	21.9			48					
				m	32.4	22.0			54					
				b	32.3	21.8			62					

SAPELO SOUND - SAPELO RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 1.3	+0.6	26 Oct 70	0730	0			72	115					ebb	Howard, 1971
				3.5			72	115						
				7			67	120						
				10.5			57	135						
+ 0.8	+1.1		0740	0	31.9	21.7			54					
				m	31.9	21.9			92					
				b	31.8	21.9			86					
+ 1.3	-0.3		0745	0			87	120					ebb	
				3.5			82	125						
				7			67	120						
				10.5			51	125						
+ 1.3	+0.6		0750	0	31.8	21.8			26					
				m	31.8	21.7			14					
				b	32.3	21.8			44					
+ 1.2	+0.5		0800	0			87	125					ebb	
				3.5			82	130						
				7			77	130						
				10			67	130						
+ 1.3	-0.3		0810	0	31.6	21.8			50					
				m	31.8	22.0			76					
				b	31.5	22.0			26					
+ 0.8	+1.1		0830	0	31.9	21.7			38					
				m	31.9	22.0			56					
				b	32.1	21.9			48					

SAPELO SOUND - SAPELO RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 1.3	+0.6	26 Oct 70	0835	0	31.8	21.6			46					Howard, 1971
				m	31.9	21.6			62					
				b	32.0	21.6			60					
+ 1.3	-0.3		0845	0	31.4	21.8			52					
				m	31.7	22.0			52					
				b	31.3	21.8			46					
+ 0.8	+1.1		0850	0			82	125					ebb	
				3			77	120						
				6			93	135						
			0930	0	31.5	21.8			58					
				m	31.6	21.8			60					
				b	31.4	21.8			66					
+ 1.3	-0.3		0930	0			87	120					ebb	
				3.5			72	120						
				6.5			57	120						
+ 1.3	+0.6		0935	0	31.4	21.9			48					
				m	31.4	21.7			72					
				b	31.5	21.5			86					
			0940	0			72	135					ebb	
				3.5			62	145						
				6.5			57	145						
				10			36	135						

SAPELO SOUND - SAPELO RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 1.3	-0.3	26 Oct 70	0945	0	30.6	21.7			114					Howard, 1971
				m	30.6	21.8			104					
				b	30.7	21.8			94					
+ 0.8	+1.1		1030	0	31.2	22.2			48					
				m	31.2	21.9			46					
				b	31.2	21.7			98					
+ 1.3	+0.6		1035	0	31.1	21.8			88					
				m	31.1	21.9			104					
				b	31.2	21.9			46					
+ 1.3	-0.3		1045	0	30.5	21.7			134					
				m	30.4	21.7			130					
				b	30.5	21.7			60					
+ 0.8	+1.1		1050	0			31	145					ebb	
				2.5			31	140						
				5.5			15	145						
+ 1.3	-0.3		1106	0			36	115					ebb	
				2.5			26	110						
				5.5			15	120						
				9				125						
+ 1.3	+0.6		1122	0			26	195					ebb	
				3			23	170						
				6			18	125						
				9.5			10	115						

SAPELO SOUND - SAPELO RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 0.8	+1.1	26 Oct 70	1130	0	30.9	22.1			40					Howard, 1971
				m	30.7	22.0			48					
				b	30.8	22.0			56					
			1135	0			15	210					ebb	
				2.5			13	200						
				5			13	190						
+1.3	+0.6		1135	0	30.7	22.2			50					
				m	31.0	22.1			66					
				b	31.4	21.8			36					
+ 1.3	-0.3		1145	0	30.3	21.7			68					
				m	30.5	21.8			80					
				b	30.6	21.9			38					
			1155	0			15	240					flood	
+1.3	+0.6		1215	0			21	270					flood	
				3.5			21	305						
				6.5			23	320						
				10			13	320						
+ 0.8	+1.1		1230	0	31.1	22.2			36					
				m	31.2	22.0			80					
				b	31.7	21.9			44					
+ 1.3	+0.6		1235	0	31.1	22.2	15	260	36				flood	
				3.5			26	300						
				m	31.2	22.1			120					
				6.5			28	305						
				10	31.2	22.0	31	295	26					

SAPELO SOUND - SAPELO RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+ 1.3	-0.3	26 Oct 70	1245	0	30.3	21.8	26	320	30				flood	Howard, 1971	
				3.5			36	310							
				m	30.8	22.1			90						
				6.7			36	295					flood		
				10	31.2	21.6	15	285	34						
+ 0.8	+1.1		1308	0			57	295					flood		
				2.5			62	290							
				5.5			57	285							
			1325	0			77	295						flood	
				2.5			67	295							
				5.5			51	295							
1330	0	31.4	22.2			68									
	m	31.4	22.1			96									
	b	31.7	22.1			46									
+ 1.3	-0.3		1335	0	30.5	21.9			120						
				m	30.8	21.8			138						
				b	30.8	21.9			84						
+ 1.3	+0.6		1345	0	31.5	22.2			50						
				m	31.3	22.2			52						
				b	34.4	22.1			64						
1410				0			10	315					flood		
				3.5			13	280							
				6.7				270							
				10				305							

SAPELO SOUND - SAPELO RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 1.3	+0.6	26 Oct 70	1430	0			13	320					flood	Howard, 1971
				3.5			23	305						
				6.7			28	305						
				10			26	295						
+ 0.8	+1.1		1430	0	32.3	22.2			50					
				m	32.2	22.2			96					
				b	32.4	22.1			84					
+ 1.3	+0.6		1435	0	31.8	22.3			64					
				m	31.9	22.3			58					
				b	32.1	22.5			280					
+ 1.3	-0.3		1445	0	30.9	22.0			130					
				m	30.9	22.1			130					
				b	31.5	21.9			112					
+ 0.8	+1.1		1445	0			67	295					flood	
				2.5			51	295						
				5.5			36	290						
+ 1.3	-0.3		1500	0			82	310					flood	
				3.5			77	310						
				6.5			67	310						
				10			51	305						
+ 0.8	+1.1		1530	0	32.4	22.1			78					
				m	32.5	22.1			84					
				b	32.5	22.3			42					

SAPELO SOUND - SAPELO RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 0.8	+1.1	26 Oct 70	1535	0			57	295					flood	Howard, 1971
				3			57	295						
				6			41	285						
+1.3	+0.6		1535	0	32.3	22.4			41					
				m	32.4	22.3			58					
				b	32.2	22.3			44					
+ 1.3	-0.3		1545	0	30.7	22.3			150					
				m	31.0	22.2			72					
				b	31.2	21.9			98					
+ 1.3	+0.6		1625	0			21	300					flood	
				3.5			31	310						
				7.5			36	300						
				11			18	305						
+ 0.8	+1.1		1630	0	32.2	22.0			72					
				m	32.6	22.0			74					
				b	32.6	21.8			96					
+1.3	+0.6		1635	0	32.4	22.3			44					
				m	32.5	22.2			74					
				b	32.5	22.1			26					
+ 1.3	-0.3		1645	0	31.3	22.1	57	310	24				flood	
				4			62	320						
				m	31.8	22.1			126					
				8			41	300						
				11.5	32.0	22.0	36	295	106			flood		

SOUTH NEWPORT RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+20.0	+0.1	14 Sep 66	----	0	19.5t							7.1	low	USGS, 1966
				0	24.0t								7.2	
		11 Oct 66	----	0	24.9t							7.0	high	USGS, 1967
		12 Oct 66	----	0	23.1t							7.1	low	
+23.5	0.0		----	0	22.2t							7.0	low	
+20.0	+0.1	16 Nov 66	----	0	28.7t							7.3	high	
+23.5	0.0			0	26.9t								7.3	high
+20.0	+0.1	5 Dec 66	----	0	28.2t							7.6	high	
+23.5	0.0			0	27.8t								7.6	high
+20.0	+0.1	7 Dec 66	----	0	27.8t							7.0	low	
+23.5	0.0			0	27.3t								7.0	low
+20.0	+0.1	14 Jan 67	----	0	23.8t							7.2	high	
+23.5	0.0			0	18.8t								7.3	high
+20.0	+0.1	20 Jan 67	----	0	14.2t							7.1	low	
+23.5	0.0			0	7.3t								6.8	low
+20.0	+0.1	14 Feb 67	----	0	18.0t							7.1	high	
+23.5	0.0			0	15.8t								7.0	high
+20.0	+0.1	20 Feb 67	----	0	15.4t							6.9	low	
+23.5	0.0			0	9.1t								7.1	low

SOUTH NEWPORT RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+20.0	+0.1	18 Apr 67	----	0	24.8t							7.3	high	USGS, 1967
+23.5	0.0			0	23.7t							7.3	high	
+ 4.4	-0.2	2 May 67	----	0	26.6	20.8								Dahlberg, 1971
				b	26.5	20.2								
+14.0	---	3 May 67	----	0	22.5	21.8								
				b	22.4	21.1								
+23.2	---		----	0	22.2	20.8								
				b	22.5	20.4								
+20.0	+0.1	16 May 67	----	0	26.9t							7.1	low	USGS, 1967
+23.5	0.0			0	26.4t							7.1	low	
+ 4.4	-0.2	24 May 67	----	0	30.5	21.0								Dahlberg, 1971
				b	32.5	21.1								
+14.0	---	25 May 67	----	0	26.7	23.6								
				b	27.4	21.8								
+23.2	---	--	----	0	26.8	21.6								
				b	30.0	21.6								
+20.0	+0.1		----	0	28.5t							7.2	high	USGS, 1967
+23.5	0.0			0	27.3t							7.1	high	
+20.0	+0.1	8 Jun 67	----	0	28.0t							7.3	high	
+23.5	0.0			0	27.6t							7.3	high	

SOUTH NEWPORT RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+20.0	+0.1	14 Jun 67	----	0	28.4t							7.2	low	USGS, 1967
+23.5	0.0			0	27.8t							7.2	low	
+ 4.4	-0.2	5 Jul 67	----	0	25.3	29.1	24	060						Dahlberg, 1971
				8.5	25.0	29.0	10	070						
+14.0	----	6 Jul 67	----	0	24.9	28.9	24	025						
				7.5	25.0	29.0	19	020						
+23.2	----		----	0	23.2	29.0	19	010						
				5	23.3	29.0	11	015						
+20.0	+0.1	18 Jul 67	----	0	13.9t							6.4	low	USGS, 1967
+23.5	0.0			0	2.7t							6.3	low	
+20.0	+0.1	19 Jul 67	----	0	18.8t							6.9	high	
+23.5	0.0			0	10.8t							6.6	high	
+14.0	----	26 Jul 67	----	0	25.9	29.4								Dahlberg, 1971
				11.5	26.0	29.3								
+23.2	----		----	0	13.4	29.8								
				7	13.9	29.6								
+20.0	+0.1	14 Aug 67	----	0	10.3t							6.8	low	USGS, 1967
+23.5	0.0			0	6.2t							5.9	low	
+ 4.4	-0.2	16 Aug 67	1340	0	29.1	26.7	21	210		68t	6.4			Dahlberg, 1971
				5	31.4	26.2	19	180		24t				
+14.0	----	17 Aug 67	1050	0	20.6	26.9	15	305		33t	5.6			
				6.5	20.9	26.8	20	315		26t				
+23.2	----		0955	0	10.1	26.0	24	240		42t	4.2			
				6.5	11.3	26.0	13	265		24t				

SOUTH NEWPORT RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+20.0	+0.1	18 Aug 67	----	0	19.0t							6.7	high	USGS, 1967
+23.5	0.0			0	11.0t							6.8	high	
+ 4.4	-0.2	7 Sep 67	1350	0	31.4	25.4	72			48t	5.9			Dahlberg, 1971
				10.5	30.7	25.3	62			43t				
+14.0	---	8 Sep 67	1417	0	25.6	26.2	87			68t	5.0			
				10.5	28.8	25.6	77			18t				
+23.2	---		1315	0	19.5	26.1	21			36t	4.0			
				6	19.9	26.1	8			28t				
+20.0	+0.1	18 Sep 67	----	0	16.8t							7.0	low	USGS, 1967
+23.5	0.0			0	12.8t							6.9	low	
+20.0	+0.1	19 Sep 67	----	0	23.0t							7.4	high	
+23.5	0.0			0	18.6t							7.1	high	
+ 4.4	-0.2	5 Oct 67	----	0	24.8	23.3					6.1	8.0		Dahlberg, 1971
+14.0	---			0	25.8	23.5					5.6	7.8		
+23.2	---			0	19.1	23.4					4.6	7.4		
+ 4.4	-0.2	25 Oct 67	1140	.5	26.0	21.4	50	360		65t	8.4	7.9		
				11.5	26.3	21.5	57	008		45t				
+14.0	---	26 Oct 67	1118	.5	23.4	21.3	51	065		73t	5.4	7.6		
				6	23.1	21.5	49	065		62t				
+23.2	---		1012	.5	20.4	20.0	35	180		66t	7.4	7.5		
				6.5	20.3	20.0	23	135		55t				

SOUTH NEWPORT RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+20.0	+0.1	26 Oct 67	1500	0	26.4t	21						7.5		USGS, 1968
+23.5	0.0		1510	0	24.0t	21						7.5		
+20.0	+0.1	27 Oct 67	1000	0	23.8t	20						7.5		
+23.5	0.0		1000	0	22.2t	20						7.4		
+ 4.4	-0.2	15 Nov 67	----	0		16.6				60t	6.5	7.7		Dahlberg, 1971
+14.0	---			0		15.8				49t		7.8		
+23.2	---			0		15.4				60t	8.4	7.7		
+20.0	+0.1	28 Nov 67	1240	0	27.5t	18						7.3		USGS, 1968
+23.5	0.0		1250	0	26.4t	18						7.1		
+20.0	+0.1	29 Nov 67	0805	0	30.5t	17						7.4		
+23.5	0.0		0820	0	29.3t	17						7.4		
+ 4.4	-0.2	6 Dec 67	----	0						45t	8.1	7.8		Dahlberg, 1971
+14.0	---			0						49t	7.8	7.8		
+23.2	---			0						42t	7.3	7.6		
+ 4.4	-0.2	10 Jan 68	----	0	29.6					46t	8.5			
+14.0	---			0	28.2					71t	9.6			
+23.2	---			0	27.6					69t	8.9			
+ 4.4	-0.2	7 Feb 68	----	0	29.5	12.0				82t	7.0	8.0		
+14.0	---			0	28.0	11.3				90t	8.7	7.8		
+23.2	---			0	25.4	10.0				82t	8.5	7.6		

SOUTH NEWPORT RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 4.4	-0.2	28 Feb 68	----	0	30.0	9.0				64t	8.6	7.9		Dahlberg, 1967
+14.0	---			0	27.5	10.1				63t	8.6	7.7		
+23.2	---			0	26.2	9.9				68t	8.8	7.6		
+ 4.4	-0.2	25 Mar 68	----	0	28.6	15.4					7.5			
+14.0	---			0	28.6	15.8					7.0			
+23.2	---			0	25.0	15.7					6.7			
+ 4.4	0.0	5 Apr 68	1300	0	28.3	20.4	10	360		68t	8.4			Kuroda & Marland, 1973
				1.5	28.3	20.4	10	005		66t	8.4			
				3	29.0	19.4	21	360		68t	8.5			
				6	29.2	19.3	21	275		68t	8.4			
				9	29.4	19.8	5	360		66t	8.4			
+ 9.3	+0.5		1327	0	28.5	20.0	15	005		76t	9.3			
				1.5	28.5	20.1	10	005		74t	9.3			
				3	28.6	20.0	26	220		75t	9.3			
				6	28.6	19.9	31	010		73t	9.2			
+ 4.4	-0.2	24 Apr 68	----	0	28.9	23.6					5.5			Dahlberg, 1971
+14.0	---			0	30.0	23.5								
+23.2	---			0	28.3	24.2					5.5			
+ 9.3	+0.5	1 May 68	1830	0	29.6	22.4	0	360			6.0			Kuroda & Marland, 1973
				1.5	29.7	22.4	36	360			5.7			
				3	29.9	22.5	41	360			5.8			
				4.5	30.2	22.6	36	360			5.6			

SOUTH NEWPORT RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 4.4	0.0	1 May 68	1900	0	29.7	22.8	10	045			5.1			Kuroda & Marland, 1973
				1.5	29.7	22.8	31	060		4.9				
				3	29.7	22.7	41	090		4.7				
				6	30.0	22.5	31	095		4.5				
				9	29.9	22.8	26	090		4.0				
+ 4.4	-0.2	9 May 68	----	0	29.3	22.6					4.8			Dahlberg, 1971
				0	29.6	22.1				4.5				
				0	28.9	21.7				4.7				
+ 4.4	-0.2	30 May 68	----	0	29.4	25.4					5.9	6.6		
				0	29.1	25.8				4.3	6.6			
				0	26.4	25.2				4.4	6.6			
+ 4.4	-0.2	24 Jun 68	----	0	28.3	29.6					7.1	7.8		
				0							7.7			
				0	19.5	28.4					7.3			
+ 4.4	-0.2	17 Jul 68	----	0	28.1	29.9						7.5		
				0	23.3	29.2					7.3			
				0	19.0	28.7					7.1			
+ 4.4	0.0	30 Jul 68	1604	0	31.4	31.4	41	180		73t	5.2			Kuroda & Marland, 1973
				1.5	31.1	31.4	41	165		73t	5.2			
				3	31.2	31.0	41	165		73t	5.2			
				6	31.2	31.3	41	125		73t	5.0			

SOUTH NEWPORT RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 9.3	+0.5	39 Jul 68	1627	0	29.5	31.6	5	120		75t	4.6			Kuroda & Marland, 1973
				1.5	29.6	31.3	46	070		75t	4.5			
				2.5	30.1	31.4	46	090		75t	4.4			
+ 4.4 +14.0 +23.2	-0.2	7 Aug 68	----	0	30.8	30.9				72t		7.6		Dahlberg, 1971
				0						93t		7.3		
				0						35t		7.2		
+ 4.4 +14.0 +23.2	-0.2 --- ---	28 Aug 68	----	0	34.1	29.0						7.8		
				0	27.0	25.5					7.4			
				0	20.8	23.3				7.2				
+ 4.4 +14.0 +23.2	-0.2 --- ---	27 Sep 68	----	0	32.4	26.9						7.1		
				0	30.4	27.3					7.1			
				0	26.9	27.5				7.2				
+ 4.4 +14.0 +23.2	-0.2 --- ---	16 Oct 68	----	0	29.9	23.2						7.1		
				0	29.0	23.9					7.1			
				0	26.0	23.6				7.0				
+ 4.4	0.0	31 Oct 68	1319	0	31.0	18.7	93	360		83t	7.5			Kuroda & Marland, 1973
				1.5	31.1	18.6	82			82t	7.5			
				3	31.3	18.6	87			84t	7.5			
				6	31.2	18.6	77			82t	7.5			
				9	31.2	18.6	77			83t	7.5			
				11.5	31.2	18.6	77			83t	7.4			

SOUTH NEWPORT RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 9.3	+0.5	31 Oct 68	1340	0	30.4	18.6	51	315		84t	6.5			Kuroda & Marland, 1973
				1.5	30.5	18.6	51		84t	6.4				
				3	30.5	18.6	51		84t	6.5				
				6	30.4	18.6	36		83t	6.5				
				7.5	30.5	18.6	46		84t	6.5				
+ 4.4	-0.2	21 Nov 68	----	0	32.1	14.9				78t				Dahlberg, 1971
				+14.0	---	0	32.9	12.6			85t			
				+23.2	---	0	29.0	12.3			60t			
+ 4.4	-0.2	6 Jan 69	----	0	30.8	8.2								
				+14.0	---	0	29.8	8.0						
				+23.2	---	0	24.0	7.5						
+ 4.4	0.0	7 Feb 69	1156	0	33.4	11.8	10	180			6.5			Kuroda & Marland, 1973
				1.5	33.8	11.5	15	225		6.1				
				3	33.9	11.4	5	270		5.8				
				6	34.5	11.2	5	250		6.1				
				9	34.4	11.0	5	320		5.9				
+ 9.3	+0.5		1217	0	32.4	12.1	5	180			6.3			
				1.5	33.1	11.7	15	200		6.0				
				3	33.0	11.9	15	200		5.9				
				6	33.6	11.7	5	060		5.4				
				8	33.6	11.5				5.9				

SOUTH NEWPORT RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 4.4	-0.2	10 Feb 69	----	0	30.6	11.4								Dahlberg, 1971
+14.0				0	28.5	11.5								
+23.2				0	23.9	11.1								
+20.0	+0.1	5 Mar 69	1110	0	24.8	10								USGS, 1969
+ 4.4	-0.2	6 Mar 69	----	0	28.1	10.8					7.1	7.0		Dahlberg, 1971
+14.0	---			0	26.5	11.0					7.8	7.2		
+23.2	---			0	16.2	10.7					8.2	7.1		
+ 4.4	-0.2	1 Apr 69	----	0	28.0	17.0				87t	6.0			
+14.0	---			0	30.6	17.5				94t	5.9			
+23.2	---			0	16.4	18.5				85t	5.5			
+20.0	+0.1	25 Apr 69	1415	0	19.3	21								USGS, 1969
+ 4.4	-0.2	1 May 69	----	0	29.5	22.0					6.3			Dahlberg, 1971
+14.0				0	29.9	21.1					6.1			
+23.2				0	21.6	20.9					5.5			
+21.7	+0.1	14 May 69	----	0	23.9	23.8	29	090						Howard, 1971
				7	24.1	23.9	24	040						
+19.9	0.0		----	0	24.0	23.7	28	050						
				8	24.1	23.7	20	050						
+17.9	-0.1		----	0	24.4	23.6	17	060						
				6.5	24.5	23.6	14	060						
+15.9	+0.1		----	0	24.9	23.6	9	205						
				8	25.0	23.6	6	120						

SOUTH NEWPORT RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+14.0	0.0	14 May 69	----	0	25.7	23.6	14	290						Howard, 1971
				6.5	26.0	23.6	11	270						
+12.1	0.0		----	0	27.6	23.6	27	275						
				9.5	28.1	23.5	14	325						
+10.4	0.0		----	0	28.9	23.3	29	285						
				8	28.8	23.2	30	295						
+ 8.7	-0.1		----	0	29.0	23.1	29	285						
				7.5	29.0	23.1	29	285						
+ 7.0	0.0		----	0	29.0	23.0	28	325						
				11.5	29.2	23.0	23	305						
+ 5.1	0.0		----	0	29.9	22.9	27	350						
				14	29.9	22.9	22	350						
+ 3.3	0.0		----	0	29.8	22.8	28	350						
				12.5	30.0	22.8	30	345						
+ 4.4	-0.2	2 Jun 69	----	0	27.9	26.6				89t	6.5			Dahlberg, 1971
+14.0	---			0	26.3	27.3				70t	6.3			
+23.2	---			0	21.5	28.8				74t	6.5			
+20.0	+0.1	4 Jun 69	1100	0	20.7	26								USGS, 1969
		18 Jul 69	1055	0	20.6	29								
		30 Jul 69	1125	0	22.0	30					6.6			

SOUTH NEWPORT RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 4.4	-0.2	4 Aug 69	----	0	30.2	28.7					5.8	7.4		Dahlberg,
+14.0	---			0	26.7	28.8					5.1	7.3		1971
+23.2	---			0										
+20.0	+0.1	14 Oct 69	0925	0	16.9t	24.2					5.9			USGS, 1970
		4 Nov 69	1015	0	10.8t	18.0					6.5	7.0		
+ 4.4	-0.2	15 Dec 69	----	0	28.2	11.0					9.0	7.8		Dahlberg,
+14.0	---			0	24.0	11.0					9.6	7.6		1971
+20.0	+0.1	30 Dec 69	1105	0	20.6t	11.0					9.8			USGS, 1970
		27 Jan 70	1050	0	19.3t	8.5					8.7	7.8		
+ 4.4	-0.2	30 Jan 70	----	0	26.5	9.7								Dahlberg,
+14.0	---			0	18.2	10.5						7.7		1971
+ 4.4	-0.2	27 Feb 70	----	0	27.1	11.1						8.1		
+14.0	---		----	0	18.0	11.5						7.9		
+20.0	+0.1	10 Mar 70	1105	0	21.5t	16.0					8.4	7.8		USGS, 1970
+ 4.4	-0.2	26 Mar 70	----	0	27.0	16.0					7.1			Dahlberg,
+14.0	---			0	19.7	17.5					6.6	7.6		1971
+20.0	+0.1	21 Apr 70	1042	0	12.9t	22.0						7.4		USGS, 1970

SOUTH NEWPORT RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 4.4	-0.2	29 Apr 70	----	0	22.5	24.9					5.1	7.8		Dahlberg,
+14.0	---			0	21.4	21.4					6.0	7.7		1971
+20.0	+0.1	26 May 70	1125	0	19.5t	25.0					6.8	7.6		USGS, 1970
		23 Jun 70	1045	0	20.1t	29.7					5.3	7.5		
		21 Jul 70	1040	0	25.5t	29.0					5.6	7.6		

JOHNSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 9.8	---	28 Feb 67	----			13.0				68t				Dahlberg, 1971
		22 Mar 67	----	0	24.6	15.0								
				b	24.7	15.1								
		13 Apr 67	----	0	25.6	21.2								
				b	25.7	21.3								
		2 May 67	----	0	25.5	20.7								
				b	25.9	20.5								
		24 May 67	----	0	27.8	20.7								
				b	27.6	20.7								
		5 Jul 67	----	0	24.5	29.3	4	075						
				4	24.6	29.2	6	030						
		16 Aug 67	1430	0	27.0	27.1	16	165		77t	5.5			
				4.5	27.0	26.9	6	130		71t				
		7 Sep 67	1455	0	25.0	26.0	44			22t	4.5			
				7.5	25.2	26.0	62			20t				
		5 Oct 67	----	0	22.2	23.9					6.5	7.5		
		25 Oct 67	1230	0	24.7	22.0	31	007		68t	7.0	7.7		
				7.5	24.7	22.2	35	022		63t				

JOHNSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 9.8	---	15 Nov 67	----	0		16.3				67t	6.0	7.6		Dahlberg, 1971
		6 Dec 67	----	0						53t	8.2	7.9		
		10 Jan 68	----	0	28.9					78t	8.0			
		7 Feb 68	----	0	28.3	12.0				93t	6.7	7.9		
		28 Feb 68	----	0	28.8	9.5				83t	8.9	7.8		
		25 Mar 68	----	0	28.8	14.7					7.0			
		24 Apr 68	----	0	29.5	24.6					4.6			
		9 May 68	----	0	29.3	22.7					3.8			
		30 May 68	----	0	29.2	24.9					4.5	6.7		
		24 Jun 68	----	0	28.3	28.8					5.0	7.4		
		17 Jul 68	----	0	26.4	31.5						7.2		
		7 Aug 68	----	0	28.5	30.9				70t		7.2		
		28 Aug 68	----	0	33.1	27.9						7.9		
		27 Sep 68	----	0	32.7	27.1						7.1		
		16 Oct 68	----	0	29.9	23.2						6.9		
		21 Nov 68	----	0	31.8	12.7				79t				
		6 Jan 69	----	0	28.8	8.0								
		10 Feb 69	----	0	29.6	11.7								
		6 Mar 69	----	0	26.3	11.8					8.1	7.2		
		1 Apr 69	----	0	25.8	17.9				92t	5.8			
		1 May 69	----	0	27.1	22.3					5.9			

JOHNSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 9.8	---	2 Jun 69	----	0	26.2	27.4				80t	5.3			Dahlberg, 1971
		4 Aug 69	----	0	28.5	29.0					4.5	7.2		
		15 Dec 69	----	0	24.9	11.3					9.8	7.6		
		30 Jan 70	----	0	23.3	10.4						8.0		
		27 Feb 70	----	0	24.3	11.8						8.1		
		26 Mar 70	----	0	23.7	16.8					6.7	7.7		
		29 Apr 70	----	0	19.7	24.4					4.4	7.8		

CROSS TIDE CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+24.8	0.0	14 Sep 66	----	0	17.3t							7.2	low	USGS, 1966
				0	20.6t								7.3	
		11 Oct 66	----	0	22.0t							7.0	low	USGS, 1967
				0	26.9t							7.0	high	
		16 Nov 66	----	0	25.7t							7.5	low	
		17 Nov 66	----	0	27.8t							7.6	high	
		8 Dec 66	----	0	28.4t							7.4	low	
		14 Jan 67	----	0	24.2t							7.2	high	
		19 Jan 67	----	0	15.5t							6.9	low	
		14 Feb 67	----	0	17.6t							7.0	high	
		20 Feb 67	----	0	16.2t							7.1	low	
		23 Mar 67	----	0	18.3t							7.6	low	
		24 Mar 67	----	0	24.6t							7.7	high	
		18 Apr 67	----	0	22.2t							7.2	low	
				0	24.4t							7.2	high	
		16 May 67	----	0	26.2t							7.1	low	
		25 May 67	----	0	28.5t							7.4	high	
		8 Jun 67	----	0	28.2t							7.2	high	
		14 Jun 67	----	0	28.4t							7.3	low	

CROSS TIDE CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+24.8	0.0	18 Jul 67	----	0	16.4t							6.8	high	USGS, 1967	
		19 Jul 67	----	0	21.0t							7.0	high		
		14 Aug 67	----	0	13.5t							6.9	low		
		18 Aug 67	----	0	19.7t							6.7	high		
		18 Sep 67	----	0	16.1t							7.0	low		
		19 Sep 67	----	0	22.4t							7.3	high		
		26 Oct 67	1520	0	24.2t	21						7.5			USGS, 1968
		27 Oct 67	1025	0	22.4t	20						7.5			
		28 Nov 67	1305	0	26.0t	18						7.0			
				29 Nov 67	0830	0	28.2t	17					7.3		
+23.3	0.0	14 May 69	1146	0	23.9	24.0	28	170						Howard, 1971	
				b	24.0	24.0	18	185							
+24.8	0.0	30 Jul 69	1140	0	19.7t	30						6.9		USGS, 1969	
		27 Aug 69	0950	0	10.0t	27						6.7			
		14 Oct 69	0940	0	11.9t	24.8						5.8		USGS, 1970	
		4 Nov 69	1030	0	10.9t	18.0						6.7	7.0		
		30 Dec 69	1120	0	16.8t	11.0						9.0			
		27 Jan 70	1110	0	14.5t	9.0						8.4	7.6		

CROSS TIDE CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+24.8	0.0	10 Mar 70	1125	0	16.4t	16.0					8.0	7.7		USGS, 1970
		21 Apr 70	1100	0	10.9t	22.0						7.2		
		26 May 70	1140	0	16.1t	24.5					6.7	7.5		
		23 Jun 70	1055	0	16.6t	29.3					4.7	7.3		
		21 Jul 70	1055	0	20.8t	29.0					4.8	7.4		

MUD RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 7.7	-0.4	5 Apr 68	1515	0	25.2	21.4	51	005		72t	9.2			Kuroda & Marland, 1973
				1.5	25.4	21.4	31	005		72t	9.1			
1 May 68	1945	0	28.5	22.3	21	180			5.1					
		1.5	28.9	22.3	15	145			4.5					
30 Jul 68	1715	0	27.2	32.0	15	010		68t	5.8					
		1.5	27.4	31.7	10	360		66t	5.4					
31 Oct 68	1504	0	30.4	18.8	10	270		76t	7.3					
		1.5	30.4	18.6	21			74t	6.8					
		3	30.5	18.5	41			65t	6.7					
		6	30.6	18.5	26			60t	6.8					
7 Feb 69	1310	0	33.2	12.1	46	060			6.2					
		1.5	33.4	11.7	51	060			6.0					
		3	33.2	11.1	41	045			6.1					
		3.5	33.3	11.2	41	045			6.1					

SECTION 6 - DOBOY

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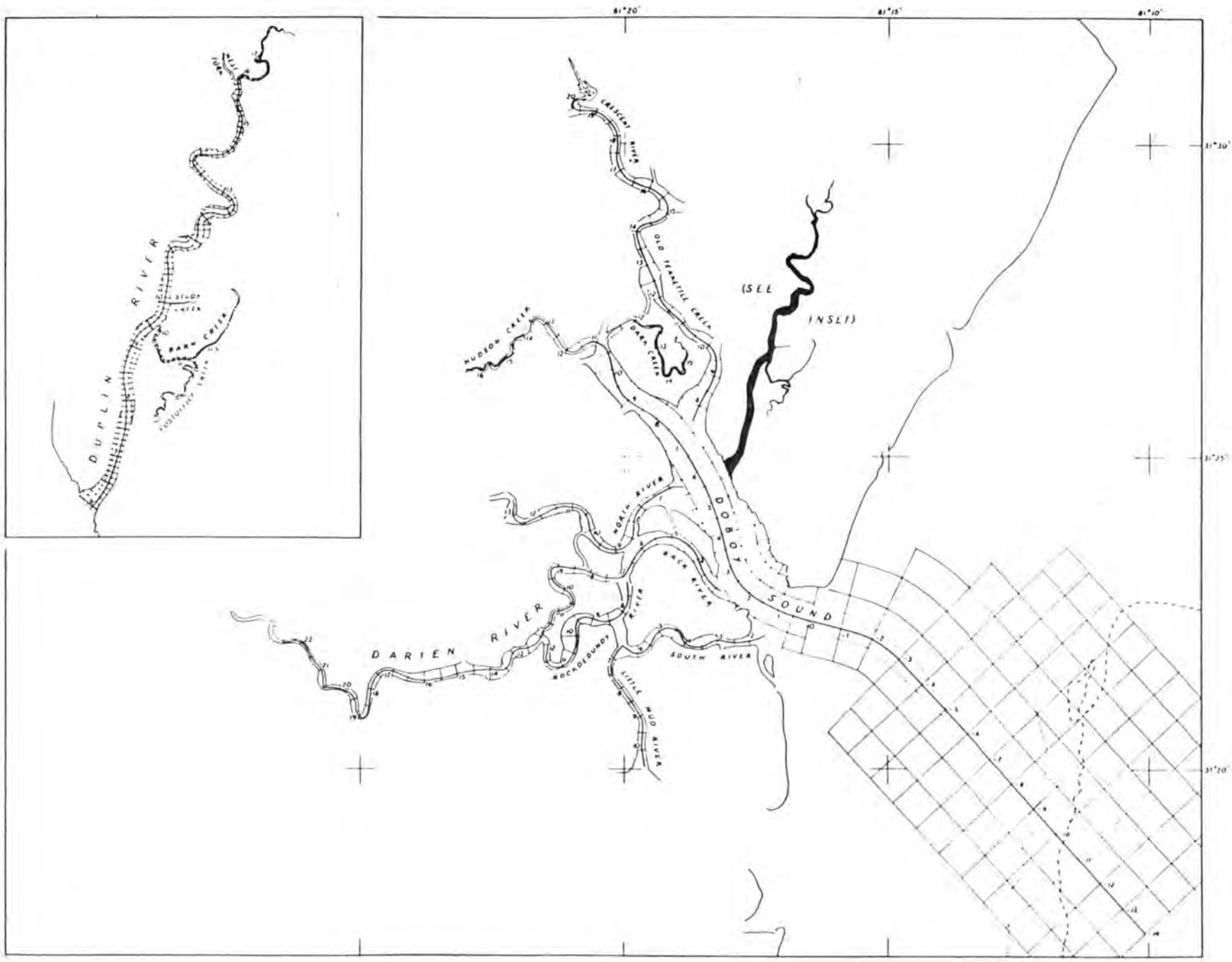


Figure 6. Station Locations, Doboy Section

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+15	---	24 Mar 53	1440			26.2								Miller & Jorgenson, 1969
			1515			23.0								
		9 Apr 53	1120		16.8	24.0								
		22 Apr 53	1515		15.4	26.0								
		6 May 53	1345		18.4	28.0								
		20 May 53	----		14.7	29.0								
		4 Jun 53	1300		19.7	28.5								
		18 Jun 53	1245		20.1	33.0								
		3 Jul 53	1300		24.0	35.0								
		21 Jul 53	1430			31.3								
		11 Aug 53	1000		20.0	29.0								
		26 Aug 53	0910		21.0	25.0								
		9 Sep 53	0940		18.0	26.2								
		8 Dec 53	0845		23.5	15.0								
		15 Jan 54	1430		14.3	16.5								
		28 Jan 54	1300		18.7	15.5								
		12 Feb 54	1245		17.0	17.0								

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+15	---	9 May 55	0930		20.4	25.8								Miller & Jorgenson, 1969	
		24 May 55	0915		21.9	26.9									
		9 Jun 55	0940		25.8	25.9									
		22 Jun 55	0900		27.6	27.8									
		8 Jul 55	0915		27.1	30.1									
		22 Jul 55	0910		28.4	30.4									
		5 Aug 55	0900		28.0	30.3									
		19 Aug 55	0905		26.5	29.7									
		6 Sep 55	0910		22.9	27.5									
		19 Sep 55	0915		11.0	25.0									
		5 Oct 55	0910		19.0	24.7									
		14 Oct 55	0905		20.5	22.5									
		3 Nov 55	0905			18.3									
		16 Nov 55	0905		32.8	19.2									
		2 Dec 55	0855		26.4	11.9									
		19 Dec 55	0853		26.8	10.3									
		4 Jan 56	1140		28.0	12.4									
		16 Jan 56	0900		28.6	7.8									
		30 Jan 56	0925		25.7	11.9									

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+15	---	15 Feb 56	0920		19.4									Miller & Jorgenson, 1969	
		29 Feb 56	1000		18.4	17.5									
		15 Mar 56	0925				16.9								
		29 Mar 56	0900			18.7	23.5								
		13 Apr 56	0930			20.9	26.7								
		27 Apr 56	0915			22.0	29.2								
		14 May 56	0900			24.5	27.5								
		28 May 56	1038				30.2								
		11 Jun 56	0900			24.5	27.5								
		26 Jun 56	1025				30.2								
		10 Jul 56	0925			24.4	28.5								
		24 Jul 56	0925			26.6	30.4								
		8 Aug 56	1056			27.1	32.3								
		24 Aug 56	0915			27.2	27.4								
		7 Sep 56				28.1	29.2								
		27 Sep 56	1300			26.3	26.5								
		11 Oct 56	1230			24.6	24.9								
		23 Oct 56	0930			23.2	21.7								

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+15	---	7 Nov 56	1100		24.9									Miller & Jorgenson, 1969
		20 Nov 56	0955		27.6	16.9								
		4 Dec 56	0940		28.0	11.1								
		19 Dec 56	0925		26.8	17.5								
		8 Jan 57	1400		27.4	16.5								
		1 Feb 57	0920		22.6	17.2								
		15 Feb 57	0910		22.5	14.5								
		4 Mar 57	0915		22.1	14.9								
		18 Mar 57	0915		20.4	18.2								
		3 Apr 57	0915		20.7	19.7								
		16 Apr 57	0900		15.0	17.9								
		2 May 57	0910		13.8	24.6								
		16 May 57	0910		14.8	26.9								
		31 May 57	0905		17.0	26.0								
		14 Jun 57	0910		11.2	28.4								
		1 Jul 57	1040		18.8	30.0								
		15 Jul 57	1040		18.6	28.7								

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 8.9	-0.2	7 Feb 63	----	0	16.9	9.0							low	Henry, 1963
				3	18.1	8.0								
+10.2	-0.2		----	0	11.8	8.5							e.fld.	
				8	18.0	9.5								
+10.8	0.0		----	0	13.4	8.5							e.fld.	
				5	19.5	9.5								
+ 1.6	0.0		----	0	10.6	8.5							low	Darby, 1963
				5	19.2	8.5								
+ 6.0	-0.5	30 Jun 67	0838	0	21.0		18	078		18			e.fld.	Levy, 1968
				3	23.2		20	112		16				
				6.5	24.1		15	100		20				
+ 2.3	+0.3		0845	0	21.5		7	109		13			e.fld.	
				3	23.6		4	073		35				
				6	23.6		5	055		40				
- 1.0	+0.7		0900	0	21.1		11	074		13			e.fld.	
				5	23.7		1	120		24				
				10.5	24.2		5	180		15				
- 2.6	+0.5		0915	0	23.0		4	075		13			e.fld.	
				3.5	24.8		4	208		28				
				7	25.3		12	205		32				

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 7.1	-0.1	30 Jun 67	0930	0	26.0		11	185	8				e. fld.	Levy, 1968
				3	27.0		11	182	10					
				6	29.4		10	172	34					
			1245	0	23.6		15	175	6				flood	
				3.5	29.8		12	179	12					
				6.5	29.9		10	177	17					
- 2.6	+0.5		1255	0	25.9		16	186	6				flood	
				4.5	29.1		25	166	10					
				8	29.0		8	200	18					
- 1.0	+0.7		1310	0	25.6		14	205	18				flood	
				5.5	27.4		19	175	8					
				11.5	29.1		5	173	44					
+ 2.3	+0.3		1325	0	25.3		18	173	6				flood	
				3.5	25.5		17	194	17					
				7.5	26.7		5	196	48					
+ 6.0	-0.5		1337	0	24.4		14	185	14				flood	
				3	25.0		8	204	17					
				6.5	25.4		8	223	37					
+ 1.7	+0.7	20 Jul 67	0900	0	26.9	27.8			15				ebb	
				5.5	29.3	27.8			14					
				11	29.7	27.9			28					

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 1.7	+0.7	20 Jul 67	1100	0	26.2	27.6			35				ebb	Levy, 1968
				5.5	28.0	27.8			43					
				11	24.3	27.9	65		111					
			1100	0	23.9	28.5			22		ebb			
				5.5	26.5	28.1			80					
				11	26.9	28.1	38		98					
			1200	0	23.2	28.3			25		ebb			
				5.5	26.1	27.9			50					
				11	26.8	28.0	43		114					
			1300	0	22.1	28.3			31		low			
				5.5	22.2	28.3			18					
				11	24.4	28.4	0		21					
			1400	0	21.2	28.4			22		flood			
				5.5	24.9	27.8			23					
				11	25.2	27.7	43		31					
			1500	0	21.6	28.4			17		flood			
				5.5	22.6	28.5			23					
				11	25.9	28.0	79		43					
			1600	0	25.5	28.5			22		flood			
				5.5	26.2	28.7			105					
				11	26.3	28.7	65		618					

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+ 1.7	+0.7	20 Jul 67	1700	0	24.7	28.6			10				flood	Levy, 1968		
				5.5	27.4	28.5			21							
				11	27.3	28.7	102		52							
			1900	0	26.0	25.6		8			flood					
				5.5	28.3	28.4		17								
				11	28.7	28.3	102	72								
			2000	0	25.0	28.4		6			high					
				5.5	28.3	28.4		13								
				11	28.7	28.3	6	0								
			2100	0	25.8	28.2		5			ebb					
				5.5	26.8	28.4		5								
				11	28.0	28.4	65	11								
			2200	0	21.8	28.4		7			ebb					
				5.5	25.3	28.6		9								
				11	27.6	28.6	130	65								
			2300	0	22.1	28.7		30			ebb					
				5.5	22.6	28.7		47								
				11	23.2	28.6	81	53								
			2400	0	19.3	28.3		30			ebb					
				5.5	20.8	28.5		87								
				11	20.8	28.7	43	248								

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 1.7	+0.7	21 Jul 67	0200	0	16.9	28.2			16				low	Levy, 1968
				5.5	19.0	28.3			24					
				11	19.0	28.4	0		29					
			0300	0	17.0	27.8			12		flood			
				5.5	18.6	28.2			13					
				11	19.0	28.4	31		13					
			0400	0	18.1	28.2			12		flood			
				5.5	20.1	28.3			153					
				11	20.2	28.4	43		130					
			0500	0	14.6	28.2			44		flood			
				5.5	21.2	28.4			52					
				11	21.6	28.3	79		318					
			0600	0	20.3	27.9			23		flood			
				5.5	23.2	28.1			109					
				11	23.6	28.2	60		120					
			0700	0	21.3	28.0			13		flood			
				5.5	25.1	28.0			37					
				11	26.7	28.0	51		63					
			0800	0	22.7	28.1			10		high			
				5.5	26.4	28.1			11					
				11	28.0	28.0	0		25					

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 9.7	0.0	2 Aug 67	1700	0	28.4	28.7			6	68t			ebb	Levy, 1968
				3	28.4	28.6			14	60t				
				6	28.1	28.4	25		39	58t				
			1800	0	28.6	28.4			13	78t		ebb		
				3	28.6	28.4			10	78t				
				6	28.7	28.3	19			80t				
			1900	0	26.7	28.8			5	78t		ebb		
				3	26.9	28.9			6	78t				
				6	27.3	28.7	31		15	78t				
			2000	0	25.8	29.0			17	68t		ebb		
				3	25.8	29.0			20	64t				
				6	26.4	28.9	31		94	64t				
			2100	0	25.1	29.2			12	69t		ebb		
				3	25.8	29.0			27	65t				
				6	25.9	28.8	25		107	55t				
			2200	0	25.1	29.1			11	69t		ebb		
				3	25.1	29.1			10	68t				
				6	25.2	29.1	7		22	69t				
			2300	0	24.9	29.2			7	75t		low		
				3	25.0	29.1			8	66t				
				6	25.2	29.2	0		9	69t				

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE SOURCE			
+ 9.7	0.0	2 Aug 67	2400	0	24.5	29.0				10	67t			flood Levy, 1968		
				3	25.2	29.0			8	66t						
				6	25.6	29.2	19		15	63t						
			3 Aug 67	0200	0	23.4	28.8				6	67t				flood
					3	25.6	28.8				18	67t				
					6	25.8	28.9	12		20	61t					
				0300	0	25.3	28.7					12	72t			flood
					3	25.8	28.8					19	67t			
					6	26.0	28.8	25		21						
		0400		0	26.2	28.6					16	74t			flood	
				3	26.3	28.6					29	57t				
				6	26.4	28.6	12		60t							
		0500	0	26.4	28.3					12	73t			high		
			3	26.6	28.4					17	71t					
			6	27.3	28.6	0		19	73t							
		0600	0	26.3	28.3					16	68t			ebb		
			3	26.5	28.4					12	72t					
			6	26.9	28.5	7		6	75t							
		0700	0	25.9	28.7					9	68t			ebb		
			3	26.3	28.5					13	80t					
			6	27.0	28.5	16		13	68t							

DGBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 9.7	0.0	3 Aug 67	0800	0	25.4	28.6			9	78t			ebb	Levy, 1968
				3	26.1	28.7			14	70t				
				6	26.2	28.6	20	27	61t					
			0900	0	25.4	28.7			11	63t			ebb	
				3	25.6	28.7			22	62t				
				6	25.8	28.8	20	27	55t					
			1000	0	24.5	29.1			4	72t			low	
				3	25.0	28.8			15	65t				
				6	25.0	28.8	0	9	64t					
			1100	0	24.0	29.4			6	67t			flood	
				3	25.2	28.8			8	67t				
				6	25.3	28.8	2	14	59t					
			1200	0	24.0	29.5			10	68t			flood	
				3	25.2	28.8			16	57t				
				6	26.3	28.9	12	14	61t					
			1300	0	24.5	29.8			12	67t			flood	
				3	25.2	28.8			26	65t				
				6	25.7	28.7	12	14	52t					
			1400	0	25.2	29.6			10	60t			flood	
				3	25.7	29.0			19	61t				
				6	25.8	28.7	25	28	53t					
			1500	0	24.6	29.4			23	60t				
				3	24.8	29.3			10.4	47t				
				6	25.0	29.3			96	32t				

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.7	-0.1	16 Mar 68	1135	0	23.5	13.2				21t				Levy , 1968
+ 2.4	-0.6		1140	0	22.3	13.0				7t				
+ 1.9	+0.1		1155	0	24.5	12.7				20t				
+ 1.8	-0.3		1200	0	23.5	12.7				4t				
+ 0.9	+0.3		1215	0	25.3	12.5				33t				
+ 0.9	-0.3		1220	0	23.5	12.9				9t				
+ 0.1	+0.1		1235	0	26.6	12.8				33t				
+ 0.1	-0.2		1240	0	25.9	12.6				4t				
+ 6.6	+0.2	3 Apr 68	1141	0	27.0	17.8	5	135		70t	7.8			Kuroda & Marland, 1973
				1.5	27.2	17.7	5	360		66t	8.0			
				3	27.2	17.5	21	005		64t	8.0			
				6	28.2	17.2	21	005		55t	8.0			
				9	28.3	17.2	21	005			8.6			
				10.5	29.0	17.3	21	070			8.5			
+ 3.9	-0.1		1255	0	26.9	18.2	21	060			8.6			
		1.5		27.2	17.7	21	080		67t	8.6				
		3		28.1	17.5	31	115		54t	8.6				
		6		28.4	17.3	46	110		42t	8.6				
		9		30.3	17.2	36	090		44t	8.6				
		10.5		29.5	17.1	41	125		44t	8.6				

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 0.2	+0.2	3 Apr 68	1333	0	26.4	18.3	51	020		65t	8.7			Kuroda & Marland, 1973
				1.5	26.3	18.1	57	030		61t	8.8			
				3	26.7	17.7	51	030		58t	8.8			
				6	29.7	17.3	51	025		35t	8.8			
				9	30.1	17.1	41	040		26t	8.9			
				10.5	30.0	17.2	46	030		27t	8.8			
- 2.9	+0.1		1407	0	27.5	18.0	46	020			9.1			
				1.5	28.5	17.7	51	040			9.1			
				3	31.5	17.3	46	035			9.1			
				6	32.1	16.7	31	045			9.1			
- 6.1	-0.3		1437	0	28.2	17.9	46	065			9.1			
				1.5	31.2	17.6	46	065		100t	9.2			
				3	31.7	17.3	41	045		100t	9.2			
				4.5	31.7	16.5	31	023			9.3			
-13.3	+2.1	4 Apr 68	1215	0	28.4	18.2	21	045						
				1.5	31.5	16.7	26	045			9.3			
				3	31.8	16.5	15	360			9.3			
				6	32.2	16.3	15	360		98t	9.4			
				9	31.9	16.4	10	360			9.4			
				10.5	31.7	16.9	15	360		90t	9.4			
- 9.2	+5.9		1300	0	28.1	18.7	15	360			9.6			
				1.5	28.6	18.3	15	360			9.6			
				3	31.0	16.8	15	360			9.6			
				6	31.4	16.6	21	005			9.5			
				9	31.5	16.6	5	180			9.6			
				10.5	31.0	17.0	5	180			9.6			

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 6.6	+0.2	30 Apr 68	0924	0	27.0	22.1	5	270		66t	7.1			Kuroda & Marland, 1973
				1.5	27.6	21.9	10	360	50t					
				3	27.8	21.8	5	190	45t					
				6	28.5	21.4	10	360	36t					
+ 3.9	-0.1		1055	0	27.5	22.3	26	055		70t	8.1			
				1.5	28.2	22.1	31	105	65t					
				3	28.3	21.8	21	070	65t					
				6	29.2	21.7	10	070	58t					
				7.5	29.2	21.5	15	065	54t					
+ 0.2	+0.2		1123	0	27.4	22.5	41	015		40t	7.4			
				1.5	29.0	21.7	46	055	36t	6.7				
				3	29.5	21.6	46	060	41t	6.4				
				6	29.9	21.6	41	025	46t	6.3				
				9	30.8	21.3	21	010	38t	6.0				
- 2.9	+0.1		1150	0	30.4	21.7	31	005		57t	7.2			
				1.5	31.0	21.6	26	065	61t	6.8				
				3	31.1	21.4	15	070	67t	6.5				
				4.5	31.3	21.5	15	030	67t	6.4				
- 6.1	-0.3		1214	0	30.8	22.3	31	055		73t	6.8			
				1.5	31.8	21.5	26	050	77t	7.0				
				3	32.1	21.4	21	060	65t	6.8				
				4.5	31.9	21.5	21	060	50t	6.2				

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 8.8	+2.8	30 Apr 68	1245	0	32.1	22.0	15	360		79t	8.5			Kuroda & Marland, 1973
				1.5	32.1	21.6	0	120		81t	7.7			
				3	32.1	21.5	15	065		81t	7.4			
				6	32.5	21.2	10	045		80t	7.1			
				7.5	32.5	21.3	10	065		77t	6.9			
- 3.8	+3.7		1317	0	31.5	21.8	26	070		87t	7.7			
				1.5	31.3	21.7	21	035		85t	7.4			
				3	31.6	21.9	15	020		84t	7.2			
				4.5	31.6	21.6	10	045		78t	6.8			
-13.3	+2.1		1430	0	32.8	22.3	10	070		97t	7.2			
				1.5	32.6	22.1	15	085		100t	7.0			
				3	32.6	21.4	15	100		95t	7.2			
				6	32.7	20.8	10	075		96t	6.8			
				9	33.0	20.9	5	120		96t	6.7			
				10.5	32.6	20.9	5			96t	6.5			
- 9.2	+5.9	1 May 68	0844	0	32.7	20.9	15	200			6.7			
				1.5	32.4	20.9	5	200			6.5			
				3	32.4	21.2	10	360			6.4			
				6	33.2	20.7	21	340			6.7			
				9	33.6	20.7	10	230			6.7			
				10.5	33.3	20.9	10	360			6.5			

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 1.8	+2.9	2 May 68	1625	0	27.8	22.5	26				7.0			Kuroda & Marland, 1973
				1.5	27.8	22.5	26				6.7			
+ 6.6	+0.2	29 Jul 68	0904	0	29.9	30.1	31	360		83t	4.8			
				1.5	30.1	30.3	31	360		70t	4.7			
				3	30.3	30.4	36	360		66t	4.8			
				4	29.9	30.1	31	360		53t	4.8			
+ 3.9	-0.1		1013	0	30.4	30.3	41	360		90t	5.7			
				1.5	30.8	30.2	36	360		88t	5.1			
				3	30.8	29.8	41	360		87t	5.0			
				6	30.9	30.1	41	360		87t	5.0			
+ 0.2	+0.2		1014	0	31.2	30.7	36	360		92t	5.8			
				1.5	32.5	30.1	36	290		92t	5.6			
				3	33.2	30.0	31	240		89t	5.4			
				6	33.9	30.1	15	300		86t	5.2			
				7.5	34.5	30.0	5	360		84t	4.8			
- 2.9	+0.1		1110	0	33.4	30.0	15	315		94t	6.0			
				1.5	34.2	29.8	21	360		94t	5.8			
				3	34.4	29.5	10	350		95t	5.5			
				4.5	34.3	29.9	10	135		94t	5.5			
- 6.1	-0.3		1145	0	33.7	30.6	21	345		94t	6.0			
				1.5	34.5	29.5	15	360		94t	5.7			
				2.5	34.9	29.4	10	135		94t	5.4			

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 8.8	+2.8	29 Jul 68	1210	0	34.5	30.4	15	340		94t	5.8			Kuroda & Marland, 1973
				1.5	34.5	30.0	21	360		93t	5.7			
				3	34.9	29.9	26	110		93t	5.7			
				6	34.7	28.9	21	110		93t	5.3			
- 3.8	+3.7		1240	0	34.0	30.7	26	070		94t	6.3			
				1.5	34.2	30.8	21	105		93t	5.8			
				3	34.8	29.9	10	015		93t	5.6			
				5	35.0	29.9	15	090		92t	5.4			
-13.3	+2.1		1355	0	34.5	30.7	41	090		98t	5.8			
				1.5	35.3	29.9	31	075		98t	5.8			
				3	34.8	29.7	26	040		98t	5.5			
				6	35.4	29.0	15	015		98t	5.2			
- 9.2	+5.9	30 Jul 68	0650	0	35.4	28.7	15	245		99t	5.9			
				1.5	35.1	28.6	31	225		99t	5.7			
				3	35.3	28.7	31	300		99t	5.7			
				6	35.2	28.8	21	300		99t	5.7			
				9	35.2	28.8	15	220		98t	5.5			
- 1.8	+2.9	14 Aug 68	0906	0	31.5	30.0	36	202			6.1			
				1.5	33.0	29.9	36				5.8			
				3	33.3	29.7	31				5.5			
+ 6.6	+0.2	30 Oct 68	0909	0	26.9	18.6	21	112		88t	7.3			
				1.5	26.9	18.9	15				88t	7.8		
				4.5	27.0	18.7	10				84t	8.2		
				8.5	27.1	18.7	10				82t	8.6		

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 3.9	-0.1	30 Oct 68	1008	0	25.4	18.9				85t	7.4			Kuroda & Marland, 1973
				1.5	26.7	18.7				84t	7.4			
				3	29.1	18.8				80t	7.4			
				6	27.6	18.6				79t	7.4			
				9	29.1	18.6				52t	7.6			
+ 0.2	+0.2		1037	0	26.8	18.6	46	315		86t	8.4			
				1.5	27.5	18.6	36			86t	8.1			
				3	28.3	18.5	46			88t	8.0			
				6	28.5	18.5	36			88t	8.0			
				9	28.7	18.6	41			79t	8.0			
- 2.9	+0.1		1111	0	29.2	18.7	31	292		88t	8.0			
				1.5	29.4	18.5	41			89t	8.0			
				3	29.8	18.5	51			88t	8.0			
				6	30.7	18.6	41			79t	8.0			
- 6.1	-0.3		1140	0	29.5	19.0	46	270		89t	8.8			
				1.5	31.6	19.1	26			92t	8.4			
				3	31.7	19.0	10			93t	8.4			
				6	31.6	19.0	15			93t	8.4			
- 8.8	+2.8		1210	0	33.4	19.8	15	225		96t	8.6			
				1.5	33.4	20.0	0			96t	8.6			
				3	33.3	20.2	5			97t	8.6			
				6	33.4	20.4	26			96t	8.7			
				9	33.4	20.3	10			97t	8.9			

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 3.8	+3.7	30 Oct 68	1242	0	32.2	19.6	31	247		94t	8.6			Kuroda & Marland, # 73
				1.5	32.8	20.0	36		95t	8.6				
				3	33.5	20.2	31		93t	8.5				
				6	33.5	20.2	26		91t	8.3				
-13.3	+2.1		1359	0	33.8	21.2	26	292		97t	8.8			
				1.5	33.9	20.9	36		96t	8.6				
				3	33.8	20.8	10		96t	8.4				
				6	33.9	20.8	0		96t	8.4				
				9	33.8	20.8	0		97t	8.4				
				12	33.8	20.8	10		96t	8.4				
13.5	33.9	20.8	0	97t	8.4									
- 9.2	+5.9		2242	0	33.7	20.2	10	247		94t	7.9			
				1.5	33.6	20.2	15		94t	7.6				
				3	33.6	20.2	10		94t	7.8				
				6	33.6	20.3	5		95t	8.0				
				9	33.6	20.3	10		95t	8.2				
				11.5	33.6	20.4	15		95t	7.2				
- 1.8	+2.9	1 Nov 68	1125	0	30.8	20.0	15	225						
				1.5	30.7	19.3	15							
+14.7	0.0	16 Jan 69	1035	0	25.2	7.2						7.0		Marland, 1969
			1115	0	25.6	7.0					7.3			
			1130	0	25.7	7.0					7.3			

DOBOY SOUND - HUDSON CREEK

LIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+14.7	0.0	16 Jan 69	1145	0	26.0	7.1									Marland, 1969	
			1200	0	25.8	7.6						7.6				
			1215	0	25.7	7.3										
			1230	0	25.8	7.2							7.6			
			1245	0	25.9	7.2							7.8			
			1300	0	26.1	7.0							7.8			
			1315	0	26.1	7.1										
			1330	0	26.1	7.2								7.7		
			1345	0	26.0	7.3										
			1400	0	26.3	7.2								7.6		
			1415	0	26.2	7.4										
			1430	0	26.8	7.5										
			1445	0	26.6	7.4										
			1500	0	27.1	7.2								7.6		
			1515	0	26.8	7.4										
			1530	0	26.6	7.3										
			1545	0	26.5	7.4										
			1600	0	26.7	7.6										7.7
			1615	0	26.2	7.6										
			1630	0	26.0	7.7										
1645	0	26.1	7.7													
1700	0	25.4	7.8									7.8				

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+14.7	0.0	16 Jan 69	2315	0	26.1	7.8									Marland, 1969	
			2330	0	26.1	7.7										
			2345	0	26.1	7.8										
			2400	0	26.0	7.8								7.7		
		17 Jan 69	0015	0	25.8	7.8										
			0030	0	26.2	7.7										
			0045	0	26.2	7.8										
			0100	0	26.0	7.9										7.8
			0115	0	26.1	7.8										
			0130	0	26.1	7.7										
			0145	0	26.0	7.7										
			0200	0	26.2	7.8							11.2		7.8	
			0230	0	26.5	7.8										
			0300	0	26.7	7.8										
			0330	0	26.3	7.8							11.6		7.8	
			0400	0	25.6	7.8							11.8		7.8	
			0430	0	24.5	7.8							11.8			
			0500	0	24.5	7.9							11.6		7.8	
			0530	0	25.3	8.0							11.5			
			0600	0	25.3	7.8							11.5		7.9	
0630	0	25.2	7.9							11.0						
0700	0		7.4									7.9				
0800	0		7.5							11.5		8.0				

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE				
+14.7	0.0	17 Jan 69	0815	0		7.3								Marland, 1969				
			0900	0		7.1							7.8					
			0945	0	25.1	7.6					11.5							
			1000	0	24.8	7.5					11.4		7.7					
			1015	0	24.9	7.5					11.4							
			1030	0	25.0	7.7					11.4							
			1100	0	25.2	7.6					11.3		7.8					
			1115	0	25.2	7.7					11.4							
			1130	0	25.2	7.7					11.3							
			1145	0	25.4	7.8					11.4							
			1200	0	25.4	7.8					11.3		7.6					
			1230	0	25.2	7.8					11.2							
			1245	0	25.3	7.8					11.2							
			1300	0	25.2	7.9					11.2		7.6					
			1315	0	25.3	7.9					11.2							
			+ 2.4	-0.5	30 Jan 69	0115		28.9	10.4	47	270		89t					Howard, 1969
						0215		28.5	10.6	62	290		85t					
0315		30.0				10.3	62	285		60t								
0415		30.4				10.3	50	295		55t								
0715		30.8				10.2	47	125		74t								
0815		30.1				10.3	47	025		60t								

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 6.6	+0.2	6 Feb 69	0928	0	26.9	10.4	46	335		90t	7.0			Kuroda & Marland, 1973
				1.5	28.5	10.3	41	335		84t	6.9			
				3	29.1	10.3	41	320		80t	6.8			
				6	28.8	10.3	26	315		75t	7.0			
				9	28.9	10.3	26	300		68t	6.8			
+ 3.9	-0.1		1006	0	27.8	10.3	61	315		93t	6.9			
				1.5	28.2	10.1	51	315		93t	6.9			
				3	28.5	10.3	51	320		92t	7.1			
				6	29.3	10.3	51	320		85t	7.1			
				9	29.9	10.3	36	320		76t	6.9			
+ 0.2	+0.2		1034	0	31.0	10.5	36	270		92t	7.4			
				1.5	32.8	10.0	36	270		95t	7.2			
				3	33.1	10.1	36	280		94t	7.1			
				6	33.3	10.0	36	260		92t	7.1			
				9	34.4	9.9	15	250		84t	6.8			
- 2.9	+0.1		1100	0	33.4	10.6	10	360		100t	6.8			
				1.5	34.8	10.4	15	280		100t	6.8			
				3	34.9	10.2	10	250		100t	6.5			
				6	35.3	10.3	10	135		100t	6.7			
- 6.1	-0.3		1120	0	33.8	10.7	26	045			7.4			
				1.5	34.7	10.5	10	110			7.0			
				3	34.9	10.6	10	135			7.0			
				6	35.2	10.5	10	135			6.8			

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 3.8	+3.7	6 Feb 69	1142	0	33.0	10.6	21	300			7.0			Kuroda & Marland, 1973
				1.5	35.2	10.5	5	045		6.7				
				3	34.9	10.7	10	100		6.3				
				6	35.6	10.5	10	135		6.4				
				9	35.8	10.4	15	150		6.9				
- 8.8	+2.8		1208	0	33.8	10.6	21	360			7.3			
				1.5	35.7	10.3	26	150		7.0				
				3	36.0	10.2	31	135		7.1				
				6	35.9	10.2	26	090		7.0				
-13.3	+2.1		1306	0	31.1	10.8	21	315			7.4			
				1.5	35.1	10.6	10	090		7.0				
				3	35.2	10.6	15	110		7.0				
				6	35.8	10.5	21	090		6.8				
				9	35.6	10.6	10	090		6.7				
- 9.2	+5.9		1938	0	33.2	11.2	31	360			7.2			
				1.5	33.6	10.8	31	300		7.0				
				3	35.6	10.7	21	250		6.8				
				6	35.9	10.7	21	270		6.8				
				9	36.1	10.7	15	250		6.8				
+10.3	-0.1	11 Mar 69	----	0	23.1	10.56	16	045						Howard, 1971
				b	22.7	10.44	27	300						
+ 9.5	+0.3		----	0	23.5	10.43	42	310						
				b	24.0	10.15	44	330						
+ 8.5	+0.2		----	0	24.6	10.41	37	330						
				b	25.5	10.22	41	270						

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 7.5	0.0	11 Mar 69	----	0	23.3	10.48	39	350						Howard, 1971
				b	25.9	10.12	41	310						
+ 6.6	+0.2		----	0	25.0	10.36	27	335						
				b	28.1	9.9	35	310						
+ 5.7	0.0		----	0	24.9	10.22	32	325						
				b	28.4	9.69	39	295						
+ 4.8	0.0		----	0	27.6	10.03	38	345						
				b	29.3	9.66	22	297						
+ 3.9	0.0		----	0	28.7	9.94	12	245						
				b	30.1	9.58	16	325						
+ 2.9	+0.2		----	0	28.2	9.98	12	085						
				b	31.0	9.64	28	310						
+ 1.9	+0.2		----	0	29.0	10.15	21	155						
				b	31.2	9.84	40	355						
+ 3.2	+0.3	14 Oct 70	1500	0	25.9	26.5			25					Henry, 1970
				b	27.2	26.4			130					
+14.7	0.0	13 Nov 70	0900	0	24.5	18.0			32					
				b	24.5	16.9			14					
+ 8.4	0.0		1200	0	24.4	18.4			107					
				b	24.8	16.8			32					
+ 3.0	+0.5		1330	0	33.6	24.5			218					
				b	34.0	24.8			170					

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+11.0	0.0	19 Nov 70	0745	0	26.3	14.6			1					Henry, 1970
				b	25.5	14.8			2					
+13.5	0.0		1025	0	23.9	15.4			4					
				b	23.7	15.6			4					
+15.9	0.0		1300	0	23.3	17.6			3					
				b	23.2	17.8			4					
		30 Nov 70	1100	0	25.9	14.4								
				b	25.7	14.8								
+10.3	0.0		1330	0	26.2	14.4								
				b	26.2	14.5								
+ 7.2	+0.7		1515	0	26.2	15.0								
				b	26.6	15.3								
+11.0	0.0	4 Dec 70	0730	0	25.6	15.5								
				b	26.1	15.8								
+13.5	0.0		1100	0	25.5	16.8								
				b	25.3	16.9								
+14.8	0.0		1215	0	25.5	17.3								
				b	24.9	17.9								
+15.9	0.0	11 Dec 70	0730	0	26.7	12.9								
				b	26.8	12.9								
+12.6	0.0		0930	0	26	13.5								
				b	26	13.7								

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 6.8	+0.2	11 Dec 70	1300	0	26.0	14.9								Henry, 1970
				b	26.2	14.7								
+15.9	0.0	15 Dec 70	1030	0	26.2	13.8								
				b	26.1	13.9								
+13.5	0.0		1300	0	26.0	14.4								
				b	26.0	14.4								
+ 9.0	-0.1		1500	0	26.6	14.4								
				b	26.7	14.5								
- 8.3	-0.9	7 Jun 71	----	0		23.1							ebb	Kraeuter, 1975
				4.5		23.2								
				9		23.1								
+11.0	0.0		2355	0		24.1							ebb	
				5.5		24.1								
		8 Jun 71	0005	11.0		24.0								
			0310	0		25.5							flood	
				4.5		25.7								
			0325	9		24.5								
- 8.3	-0.9		0525	0		25.3							flood	
				4.5		25.1								
			0540	9		24.9								
		6 Jul 71	1947	0		28.4							ebb	
				m		28.0								
			2056	b		28.0								

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+11.0	0.0	6 Jul 71	2303	0	28.6	28.6							ebb	Kraeuter, 1975
				m		28.5								
		7 Jul 71	0002	b	28.5									
			0240	0	28.2	flood								
	m	28.4												
			0245	b	28.4									
- 8.3	-0.9		0423	0		27.9							flood	
				m	28.0									
			0428	b	28.0									
		19 Jul 71	1915	0	29.0	ebb								
m	29.1													
			1940	b	29.1									
+11.0	0.0		2149	0		30.3							ebb	
				m	30.3									
			2221	b	30.2									
		20 Jul 71	0206	0	30.0	flood								
m	30.0													
			0233	b	30.0									
- 8.3	-0.9		0425	0		29.0							flood	
				m	29.0									
			0458	b	29.0									
		3 Aug 71	2005	0	29.1	ebb								
5.5	29.2													
		2045	10.5	28.8										

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+11.0	0.0	3 Aug 71	2315	0		29.4							ebb	Krauter, 1975
				2.5		29.6								
			2345	4.5		29.6								
		4 Aug 71	0155	0		29.5							flood	
				2.5		29.5								
			0230	4.5		29.3								
- 8.3	-0.9		0416	0		28.4							flood	
				5.5		28.8								
			0442	10.5		28.8								
		17 Aug 71	1932	0	34.6	28.0							ebb	
				m	34.6	28.1								
			2005	b	34.7	28.0								
+11.0	0.0		2225	0	18.6	26.6							ebb	
				m	19.2	27.0								
			2249	b	19.8	26.8								
		18 Aug 71	0202	0	18.0	26.0							flood	
				m	19.5	26.5								
			0322	b	19.4	26.6								
- 8.3	-0.9		0457	0	31.5	26.0							flood	
				m	34.1	27.0								
			0524	b	34.2	27.0								

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 8.3	-0.9	16 Sep 71	0406	0	29.8	27.0							flood	Krauter, 1975
				m	33.6	27.4								
			0430	b	34.0	27.4								
		1 Oct 71	1955	0		26.9							ebb	
			5.3		26.9									
			1941	10.5		27.1								
+11.0	0.0		2203	0	25	26.4							ebb	
				2.5		26.4								
			2238	5		26.4								
		2 Oct 71	0208	0	22	26.0							flood	
			m		26.0									
			0238	b		26.0								
- 8.3	-0.9		0430	0	30	26.4							flood	
				m		26.8								
			0500	b		26.7								
		14 Oct 71	1847	0	32 r	24.6							ebb	
			m		24.6									
			1923	b		24.6								
+ 5.5	-0.2		2032	0	24 r	23.3							ebb	
				m		23.3								
			2058	b		23.3								

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 8.3	-0.9	26 Oct 71	0140	0	30.9	24.0							ebb	Kraeuter, 1975
				5.5	33.0	24.0								
			0210	11	33.0	24.1								
+ 5.5	-0.2		0310	0	24.6	22.6							ebb	
				5	25.9	22.6								
			0340	10.5	28.7	22.5								
+11.0	0.0		0355	0	23.9	23.4							ebb	
				3	23.9	23.4								
			0415	6	25.0	23.6								
- 8.3	-0.9	9 Nov 71	2128	0	30.5	18.1							flood	
				m	30.6	18.2								
			2157	b	31.8	18.6								
+ 5.5	-0.2		2255	0	24.8	17.3							flood	
				m	25.7	17.3								
			2321	b	26.9	17.2								
+11.0	0.0		2342	0	24.1	16.3							flood	
				m	25.3	16.5								
			10 Nov 71 0103	b	25.4	16.3								
- 8.3	-0.9		0331	0	31.1	19.2							ebb	
				m	31.0	19.0								
			0358	b	31.2	19.1								

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 5.5	-0.2	7 Dec 71	2118	0	22.2	14.4							flood	Krauter, 1975
				m	23.2	14.3								
			2143	b	23.4	14.4								
+11.0	0.0		2202	0	20.1	14.8							flood	
				m	21.1	15.0								
			2225	b	22.0	14.8								
- 8.3	-0.9	8 Dec 71	0149	0	29.1	13.9							ebb	
				m	31.5	14.2								
			0219	b	31.3	14.1								
+ 5.5	-0.2		0319	0	22.4	14.8							ebb	
				m	22.4	15.0								
			0351	b	22.8	15.0								
+11.0	0.0		0412	0	22.1	15.4							ebb	
				m	22.0	15.6								
			0434	b	22.0	15.4								
- 8.3	-0.9	20 Dec 71	1835	0	26.6	16.6							flood	
				5.5	30.1	17.2								
			1910	11	30.4	17.7								
+ 5.5	-0.2		2000	0	22.2	15.4							flood	
				4.5	22.7	15.5								
			2035	9	29.5	15.5								

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 8.3	-0.9	7 Jan 72	0144	0	31.4	13.4							ebb	Krauter, 1975
				m	31.2	13.5								
			0213	b	31.2	13.0								
+ 5.5	-0.2		0311	0	22.2	12.2							ebb	
				m	26.6	12.4								
			0340	b	29.5	11.7								
+11.0	0.0		0403	0	21.0	12.4							ebb	
				m	21.4	11.8								
			0426	b	23.2	11.4								
- 8.3	-0.9	20 Jan 72	1915	0	28.9	12.5							flood	
				5	33.5	12.8								
			1945	10	34.0	13.0								
+ 5.5	-0.2		2035	0	22.4	11.8							flood	
				5	23.7	11.9								
			2110	10	25.1	12.0								
+11.0	0.0		2125	0	18.3	11.7							flood	
				3	19.4	11.7								
			2145	6	19.4	11.8								
- 8.3	-0.9	21 Jan 72	0105	0	32.6	12.9							ebb	
				5	34.1	13.0								
			0145	10	34.0	13.0								

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 5.5	-0.2	21 Jan 72	0245	0	21.3	11.8							ebb	Kraeuter, 1975
				5	22.4	11.9								
			0315	10	24.8	11.9								
+11.0	0.0		0330	0	18.0	12.1							ebb	
				2.5	18.0	12.1								
			0350	5	18.6	12.0								
- 8.3	-0.9	4 Feb 72	1913	0	26.4	13.0							flood	
				m	28.0	13.3								
			1945	b	30.4	13.4								
+ 5.5	-0.2		2041	0	14.2	9.6							flood	
				m	20.8	9.8								
			2065	b	25.8	9.2								
+11.0	0.0		2121	0	14.0	9.9							flood	
				m	15.3	9.6								
			2139	b	20.2	9.8								
- 8.3	-0.9	5 Feb 72	0127	0	31.3	10.6							ebb	
				m	31.3	10.2								
			0155	b	33.3	10.3								
+ 5.5	-0.2		0257	0	17.7	8.8							ebb	
				m	23.5	8.6								
			0318	b	27.2	8.3								

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+11.0	0.0	5 Feb 72	0341	0	13.0	7.8							ebb	Krauter, 1975
				m	16.4	8.2								
			0402	b	20.5	8.4								
- 8.3	-0.9	21 Feb 72	2105	0	24.9	11.1							flood	
				5	27.3	11.3								
			2150	10	28.7	11.4								
+ 5.5	-0.2		2245	0	14.3	9.0							flood	
				4.5	17.4	9.4								
			2305	9	22.0	9.4								
+11.0	0.0		2320	0	7.6	8.3							flood	
				3	11.3	8.3								
			2345	6	15.6	8.4								
- 8.3	-0.9	22 Feb 72	0230	0	29.1	10.0							ebb	
				m	29.1	10.0								
			0310	b	29.2	10.1								
+ 5.5	-0.2		0410	0	15.8	8.9							ebb	
				5	22.1	8.9								
			0440	10	22.9	8.8								
+11.0	0.0		0500	0	12.9	8.2							ebb	
				2.5	13.1	8.1								
			0525	5	15.1	8.1								

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 5.5	-0.2	20 Mar 72	2100	0	19.6	16.6							flood	Kraeuter, 1975
				4.5	20.6	16.8								
			2130	9.5	21.8	16.6								
+11.0	0.0		2145	0	16.3	16.7							flood	
				3	16.8	16.8								
			2210	6	17.8	16.9								
- 8.3	-0.9	21 Mar 72	0145	0	31.5	15.6							ebb	
				5	31.5	15.7								
			0220	10	31.3	15.7								
+ 5.5	-0.2		0315	0	22.5	16.3							ebb	
				5.5	24.3	16.4								
			0345	10.5	25.5	16.4								
+11.0	0.0		0400	0	16.7	16.7							ebb	
				2.5	16.7	16.8								
			0430	5	17.2	16.8								
- 8.3	-0.9	6 Apr 72	2023	0	25.8	17.9							flood	
				m	31.2	17.6								
			2050	b	31.7	17.0								
+ 5.5	-0.2		2150	0	19.5	18.3							flood	
				m	24	17.8								
			2209	b	27.8	17.3								
+11.0	0.0		2228	0	20.1	18.4							flood	
				m	22.4	18.4								
			2246	b	23.6	17.8								

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 8.3	-0.9	4 May 72	2032	0	30.6	20.0							flood	Kraeuter, 1975
				m	32.0	21.3								
			2111	b	32.6	21.2								
+ 5.5	-0.2		2214	0	24.0	22.0							flood	
				m	27.2	22.2								
			2242	b	28.5	22.0								
+11.0	0.0		2306	0	22.4	22.6							flood	
				m	23.0	22.6								
			2330	b	24.4	22.4								
- 8.3	-0.9	5 May 72	0055	0	31.0	22.2							ebb	
				m	32.8	21.6								
			0125	b	32.8	21.4								
+ 5.5	-0.2		0231	0	24.1	22.6							ebb	
				m	28.4	22.4								
			0252	b	28.6	22.0								
+11.0	0.0		0326	0	21.8	22.8							ebb	
				m	24.0	22.8								
			0346	b	25.1	22.6								
- 8.3	-0.9	17 May 72	2058	0	28 r	25.5							flood	
				5.5		25.6								
				10.5		25.6								

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 5.5	-0.2	17 May 72	2145	0	20	r			25.1				flood	Kraeuter, 1975
				5				25.6						
			2218	10.5			25.5							
+11.0	0.0		2235	0	20	r			25.1				flood	
				3				25.3						
			2302	6			25.4							
- 8.3	-0.9	18 May 72	0120	0	31.6				23.5				ebb	
				5.5	31.7			23.2						
			0200	11.5	31.8			22.9						
+ 5.5	-0.2		0300	0	26.3				23.5				ebb	
				5	26.9			23.7						
			0335	10	27.0			23.6						
+11.0	0.0		0400	0	22.4				23.9				ebb	
				2.5	22.7			23.6						
			0423	5	22.7			23.8						
- 8.3	-0.9	8 Jun 72	2100	0	30	r			25.0				ebb	
				m				25.0						
			2132	b			25.1							
+ 5.5	-0.2		2243	0	22	r			26.2				ebb	
				m				26.2						
			2309	b			26.2							
+11.0	0.0		2335	0	20	r			26.4				ebb	
				m				26.5						
			2353	b			26.3							

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 8.3	-0.9	9 Jun 72	0124	0	30 r	25.0							flood	Krauter, 1975
				m		25.2								
			0155	b		25.0								
+5.5	-0.2		0245	0	24 r	26.0							flood	
				m		26.0								
			0301	b		26.0								
+11.0	0.0		0314	0		25.9							flood	
				m	26.1									
			0334	b	26.1									
- 8.3	-0.9	22 Jun 72	2012	0	28 r	25.8							ebb	
				5.5		25.7								
			2059	11		25.9								
+ 5.5	-0.2		2155	0	22 r	25.5							ebb	
				4.5		25.6								
			2226	9		25.6								
+11.0	0.0		2238	0	18 r	25.6							ebb	
				2.5		25.7								
			2304	4.5		25.7								
- 8.3	-0.9	23 Jun 72	0010	0	28 r	25.5							flood	
				5		25.6								
			0049	10		25.6								

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL.	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+11.0	0.0	7 Jul72	0141	0	18 r	27.9							flood	Krauter, 1975	
				m		28.3									
			0157	b		28.2									
- 8.3	-0.9	24 Jul 72	2055	0	34.9	28.7							ebb		
				5.5	35.1	28.5									
				11	34.9	28.6									
- 5.5	-0.2		2200	0	28.7	29.6							ebb		
				4.5	28.9	29.7									
				9.5	29.6	29.6									
+11.0	0.0		2250	0	24.7	29.7							ebb		
				4	25.7	29.4									
				8	26.0	29.4									
- 8.3	-0.9	25 Jul 72	0118	0	32.1	28.5							flood		
				5	34.6	28.6									
				10	34.8	28.3									
+ 5.5	-0.2		0250	0	25.7	29.3							flood		
				3.5	25.6	29.4									
				7.5	26.9	29.6									
+11.0	0.0		0323	0	25.0	29.5							flood		
				m	25.4	29.5									
			0358	b	25.6	29.5									

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 8.6	-0.3	5 Jun 75	0633	0	32.9	26.7								Jaffe, 1975
-12.3	+0.8		0648	0	32.3	26.6								
- 8.9	+1.2	30 Jun 75	1818	0	33.0	27.8								
- 7.4	+1.2		1822	0	28.5	28.8								
- 6.2	-0.9		1830	0	28.1	28.8								
- 4.4	-0.7		1836	0	27.3	28.8								
- 2.0	0.0		1843	0	26.8	28.6								
- 0.4	0.0		1849	0	25.4	28.6								
+ 1.2	+0.4	1 Jul 75	0533	0	24.0	26.6								
- 0.7	0.0		0541	0	25.5	27.4								
- 8.1	+0.2		0613	0	31.1	27.6								
- 6.7	+1.0		0619	0	30.4	27.7								
- 3.8	+3.2		0630	0	32.0	27.8								
+ 5.6	0.0	3 Jun 76	1315	0	18.7	25.6							ebb	Winker, 1976
				1	19.3	25.2								
				2	20.8	25.2								
				3	24.0	24.7								
				4	24.0	24.7								
				5	24.5	24.7								
				6	25.0	24.8								
				7	25.4	24.7								
				8	25.5	24.8								
				9	25.6	24.8								

DOBOY SOUND - HUDSON CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+ 3.3	-0.1	3 Jun 76	1335	0	15.7	25.7								ebb	Winker, 1976
				1	23.7	24.8									
				2	25.9	24.8									
				3	27.0	24.8									
				4	28.2	24.8									
				5	29.0	24.8									
				6	29.6	24.9									
				7	30.3	24.9									
+ 5.6	0.0		1340	0	27.2	28.1								ebb	
				1	27.4	27.4									
				2	27.6	27.4									
				3	28.0	27.4									
				4	28.2	27.4									
				5	28.4	27.4									
				6	28.7	27.4									
				7	28.9	27.5									
				8	29.3	27.4									
				9	29.4	27.4									
+ 3.3	-0.1		1305	0	27.4	27.8								ebb	
				1	28.3	27.8									
				2	28.9	27.8									
				3	29.6	27.6									
				4	30.8	27.5									
				5	31.1	27.5									
				6	31.3	27.4									
				7	31.7	27.5									
				8	31.8	27.4									

SOUTH RIVER - LITTLE MUD RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+10.0	0.0	6 Apr 76	1305	0	2.2	18.4								Winker, 1976
				1	2.9	18.4								
				2	7.6	18.6								
				3	8.7	18.6								
				4	10.5	18.6								
				5	13.8	18.8								
+ 6.5	0.0		1325	0	5.7	18.7								
				1	6.1	18.8								
				2	8.4	18.7								
				3	11.5	18.7								
				4	12.6	18.7								
				5	17.1	18.7								
				6	17.5	18.8								

BACK RIVER - DARIEN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 7.3	0.0	19 Dec 61	----	0	14.1	16.5							flood	Darby, 1963
				b	14.9	16.5								
+ 9.5	0.0		----	0	13.7	16.5							flood	
				b	13.7	16.5								
+13.4	+0.1		----	0	12.5	16.5							flood	
				b	12.5	16.5								
+19.4	0.0		----	0	3.8	16.5							flood	
				b	4.1	16.5								
+21.2	0.0		----	0	2.7	16.5							flood	
				b	2.8	16.5								
+22.2	0.0		----	0	1.8	16.5							flood	
				b	1.8	16.5								
+12.7	0.0	15 Aug 67	1000	0	1.5	25.5	21		217	0t			ebb	Levy, 1968
				5	1.6	25.5	12		248	0t				
				10.5	1.6	25.6	11		221	0t				
			1100	0	1.2	25.5	5		181	0t			low	
				5	1.3	25.4	3		206	0t				
				10.5	1.3	25.5	1		20	0t				

BACK RIVER - DARIEN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+12.7	0.0	15 Aug 67	1200	0	1.4	25.8	11		164	0t			flood	Levy, 1968
				5	1.4	25.3	10	162	0t					
				10.5	1.4	25.6	12	141	0t					
			1300	0	3.2	25.9	25	127	0t		flood			
				5	3.4	26.0	22	213	0t					
				10.5	4.0		22	212	1t					
			1400	0	7.2	23.3	31	94	12t		flood			
				5	7.4		26	122	10t					
				10.5	7.6		25	121	8t					
			1500	0	10.1	26.7	21	55	30t		flood			
				5	11.5	26.6	28	66	35t					
				10.5	10.6	26.6	26	62	18t					
			1600	0	13.1	26.6	23	67	46t		flood			
				5	13.6	26.5	25	39	44t					
				10.5	14.5	26.6	23	74	20t					
			1700	0	17.1	26.4	17	51	45t		flood			
				5	17.1	26.4	24	56	42t					
				10.5	17.7	26.4	22	63	26t					
			1800	0	19.9	26.4	16	10	76t		ebb			
				5	20.6		0	11	60t					
				10.5	22.1	26.4	12	22	54t					

BACK RIVER - DARIEN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+12.7	0.0	15 Aug 67	1900	0	17.4	26.3	16		12	78t			ebb	Levy, 1968
				5	17.8	26.4	17	7	76t					
				10.5	19.4	26.4	13	82	30t					
			2000	0	10.4	26.5	23	154	6t	ebb				
				5	11.6	26.4	28	168	6t					
				10.5	11.4	26.3	26	103	4t					
			2100	0	9.1	26.3	23	129	4t	ebb				
				5	4.2	26.4	23	156	5t					
				10.5	9.5	26.3	17	95	12t					
		2200	0	7.7	26.4	14	78	22t	ebb					
			5	7.6	26.3	16	82	21t						
			10.5	8.7	26.3	21	155	6t						
		2300	0	3.0	26.0	21	294	0t	ebb					
			5	3.4	26.1	16	328	0t						
			10.5	3.4	26.0	17	287	0t						
		2400	0	2.2	25.8	5	130	2t	flood					
			5	2.2	25.9	4	172	1t						
			10.5	2.2	25.9	25	174	2t						
		16 Aug 67	0100	0	1.9	25.8	12	115	6t	flood				
				5	2.6	26.0	12	105	10t					
				10.5	2.8	26.0	16	99	10t					

BACK RIVER - DARIEN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+12.7	0.0	16 Aug 67	0200	0	4.5	26.1	21		124	4t			flood	Levy, 1968
				5	4.9	26.2	25	159	2t					
				10.5	5.2	26.1	25	184	2t					
			0300	0	6.6	26.2	17	112	5t		flood			
				5	7.6		18	134	6t					
				10.5	7.5	26.1	16	104	9t					
			0400	0	8.5	26.2	10	75	34t		flood			
				5	9.4	26.1	15		15t					
				10.5	9.5	26.2	15	84	20t					
			0500	0	10.3	23.0	9	4	66t		flood			
				5	11.1	26.1	5	11	54t					
				10.5	11.3	26.1	17	24	62t					
			0600	0	10.1	25.9	4	14	68t		ebb			
				5	12.0	26.1	0	19	67t					
				10.5	14.5	26.2	10	67	54t					
			0700	0	9.1	25.8	20	38	62t		ebb			
				5	9.8	26.0	12	66	57t					
				10.5	12.0	26.0	1	267	6t					
			0800	0	5.9	25.8	7	90	10t		ebb			
				5	6.0	25.8	21	113	12t					
				10.5	6.0	25.8	17	102	9t					

BACK RIVER - DARIEN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+22.0	0.0	9 Sep 69	0915	0	0.1t	26.6					4.0	6.2		EPD, 1972
		7 Oct 69	0735	0	0.1t	23.3					5.0	6.4		
		18 Nov 69	0830	0	0.7t	14.2						7.7		
		9 Dec 69	0900	0	10.1t	11.5					8.7	7.4		
		13 Jan 70	0845	0	0.1t	3.8					12.2	6.3		
		10 Feb 70	0835	0	0.1t	9.5			53		9.6	6.3		
		10 Mar 70	0830	0	0.1t	15.0			43		7.6	6.7		
		7 Apr 70	0820	0	0.0t	16.3			30		6.3	6.5		
		12 May 70	0725	0	0.1t	23.9			32		5.8	6.8		
		16 Jun 70	0720	0	0.2t	26.4			24		5.4	7.4		
		14 Jul 70	0725	0	2.4t	28.8					5.3	7.3		
		11 Aug 70	0812	0	0.5t	27.9			21		5.0	7.1		
		29 Sep 70	0735	0	2.6t	25.9			85		4.8	7.2		
		27 Oct 70	0832	0	10.9t	21.1			51		6.5	7.4		
		17 Nov 70	0832	0	1.3t	14.3			57		7.6	7.2		
		15 Dec 70	0835	0	8.5t	13.0			63		8.5	7.5		
		19 Jan 71	0845	0	0.1t	10.5			27		8.2	6.8		
		23 Feb 71	0828	0	0.1t	13.0			9		8.4	6.9		
		23 Mar 71	0840	0	0.0t	14.5			14		7.1	6.7		
		13 Apr 71	0828	0	0.0t	17.3			8		7.3	6.7		
		18 May 71	0725	0	0.1t	23.0			31		5.8	7.0		
		22 Jun 71	0905	0	1.5t	28.0			31		4.4	6.9		

BACK RIVER - DARIEN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+22.0	0.0	20 Jul 71	0734	0	0.3t	29.5			51		4.1	6.8		EPD, 1972		
		24 Aug 71	0809	0	0.0t	28.0			31		3.8	6.4				
		21 Sep 71	0741	0	0.3t	28.0			86		4.5	7.0				
		27 Oct 71	0815	0	0.3t	22.1			21		5.5	6.9				
		30 Nov 71	0907	0	4.9t	15.0			41		8.1	7.2				
		11 Jan 72	----	0	0.1t	15.5			7		7.9	6.8			EPD, 1973a	
		15 Feb 72		0	0.0t	10.1			9		9.5	6.3				
		14 Mar 72		0	0.1t	16.0			24		8.5	7.0				
		11 Apr 72	----	0	0.0t	17.5				14		7.1	7.0			
		16 May 72		0	0.7t	23.4				< 14		5.1	7.0			
		13 Jun 72		0	1.2t	25.0				42		5.0	6.9			
		11 Jul 72	----	0	0.5t	26.5				55		5.0	6.8			
		15 Aug 72		0	0.7t	29.2				25		5.1	6.9			
		19 Sep 72		0	4.0t	29.0				34		5.1	7.1			
		31 Oct 72	----	0	9.1t	21.5				40		5.7	7.1			
		28 Nov 72		0	2.0t	13.0				30		8.2	7.2			
		16 Jan 73	----	0	0.1t	7.0				19		10.5	6.8		EPD, 1974	
		27 Feb 73		0	0.0t	12.0				8		9.2	6.4			
		20 Mar 73		0	0.1t	17.5				25		6.5	6.7			
		17 Apr 73	----	0	0 t	17.5				5		6.4	7.0			
15 May 73		0	0 t	23.0				9		5.1	6.7					
12 Jun 73		0	0.1t	24.5				28		4.9	6.9					

BACK RIVER - DARIEN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 6.2	+0.2	6 Apr 76	1345	0	10.1	18.9								Winker, 1976
				1	15.1	18.9								
				2	15.7	18.9								
				3	19.1									
				4	21.0									
				5	21.2									
+ 6.7	0.0		1410	0	18.5								ebb	
				1	21.6									
				2	22.6									
				3	23.0									
				4	23.6									
+17.2	0.0	3 Jun 76	1030	0	0.0	23.5							l. fld	
				1	0.0	23.4								
				2	0.1	23.4								
				3	0.3	23.5								
				4	0.5	23.5								
				5	0.4	23.5								
				6	0.5	23.3								
				7	0.5	23.5								
				8	0.6	23.3								
+15.8	0.0		1045	0	0.3	23.4							high	
				1	0.6	23.4								
				2	0.7	23.4								
				3	0.6	23.4								
				4	0.7	23.2								
				5	0.6	23.3								
				6	0.6	23.4								

BACK RIVER - DARIEN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+14.5	+0.1	3 Jun 76	1100	0	0.1	23.7							l. fld	Winker, 1976
				1	0.5	23.4								
				2	0.5	23.4								
				3	0.6	23.5								
				4	0.5	23.5								
				5	0.5	23.3								
				6	0.5	23.5								
+12.8	0.0		1120	0	0.8	23.8								
				1	0.8	23.8								
				2	0.8	23.7								
				3	0.8	23.8								
				4	0.8	23.7								
				7	0.4	23.7								
				8	0.4	23.6								
				9	0.3	23.5								
				10	0.4									
				+10.5	0.0		1145	0	1.2	24.1				
1	1.2	24.1												
2	1.3	24.0												
3	2.7	24.2												
4	5.0	24.3												
5	5.4	24.3												
6	7.4	24.4												
7	8.1	24.5												
8	8.0	24.5												
9	8.1	24.5												
10	8.3	24.3												

BACK RIVER - DARIEN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+11.8	0.0	3 Jun 76	1205	0	0.3	23.9							high	Winker, 1976
				1	0.3	23.9								
				2	0.3	23.8								
				3	0.2									
				4	0.3	23.8								
				5	0.2	23.8								
				6	0.3	23.7								
				7	0.3	23.7								
				8	0.4	23.7								
				9	0.3	23.8								
				10	0.3	23.7								
+ 9.1	0.0		1220	0	1.8	24.7							high	
				1	2.6	24.5								
				2	9.1	24.6								
				3	10.7	24.6								
				4	12.2	24.7								
				5	14.1	24.7								
				6	14.1	24.8								
				7	14.3	24.7								
				8	14.5	24.8								
				9	15.1	24.7								
				10	15.0	24.8								

BACK RIVER - DARIEN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+ 6.6	0.0	3 Jun 76	1240	0	6.8	25.5								e.ebb	Winker, 1976
				1	12.4	25.2									
				2	17.2	25.0									
				3	17.4	24.9									
				4	18.4	24.9									
				5	18.9	24.9									
				6	19.3	24.8									
				7	19.5	24.9									
				8	20.8	24.8									
				9	21.1	24.8									
+ 6.7	0.0		1400	0	15.4	25.8									
+18.9	0.0	2 Jul 76	0945	0	0.3	27.3							flood		
				1	0.3	27.3									
				2	0.2	27.3									
				3	0.2	27.3									
				4	0.2	27.3									
				5	0.2	27.3									
				6	0.2	27.3									
				7	0.3	27.3									
				8	0.3	27.3									
				9	0.2	27.3									
				10	0.2	27.3									
				11	0.2	27.4									

BACK RIVER - DARIEN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+17.2	0.0	2 Jul 76	1005	0	0.3	27.5							flood	Winker, 1976
				1	0.4	27.6								
				2	0.3	27.5								
				3	0.4	27.6								
				4	0.4	27.5								
				5	0.5	27.5								
				6	0.5	27.5								
+15.8	0.0		1015	0	0.7	27.5							flood	
				1	0.9	27.5								
				2	0.9	27.5								
				3	0.9	27.5								
				4	0.9	27.5								
				5	0.9	27.5								
				6	0.9	27.5								
+14.5	+0.1		1030	0	2.7	27.6							flood	
				1	3.2	27.6								
				2	3.3	27.6								
				3	3.3	27.6								
				4	3.4	27.6								
				5	3.4	27.6								

BACK RIVER - DARIEN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+12.8	0.0	2 Jul 76	1050	0	5.8	27.7								high	Winker, 1976
				1	5.7	27.6									
				2	5.8	27.6									
				3	6.0	27.6									
				4	6.2	27.7									
				5	6.2	27.5									
				6	6.3	27.6									
				7	6.3	27.5									
				8	6.6	27.5									
				9	6.6	27.5									
				10	7.5	27.6									
+11.8	0.0		1110	0	8.9	27.8							high		
				1	8.9	27.8									
				2	9.5	27.9									
				3	9.6	27.8									
				4	11.5	27.7									
				5	13.7	27.8									
				6	14.7	27.7									
				7	15.2	27.7									
				8	15.4	27.7									
				9	15.5	27.7									
				10	15.9	27.7									
				11	16.0	27.7									

BACK RIVER - DARIEN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+10.5	0.0	2 Jul 76	1150	0	15.0	28.7								high	Winker, 1976
				1	18.1	28.3									
				2	18.9	27.9									
				3	19.4	27.8									
				4	20.5	27.8									
				5	20.7	27.8									
				6	20.8	27.8									
				7	20.8	27.8									
				8	21.7	27.8									
				9	21.1	27.7									
				10	21.3	27.8									
11	21.1	27.7													
+ 9.1	0.0		1200	0	19.8	28.2							high		
				1	22.2	27.8									
				2	22.8	27.7									
				3	23.3	27.8									
				4	23.3	27.7									
				5	22.2	27.8									
				6	23.7	27.7									
				7	23.7	27.7									
				8	23.6	27.7									
				9	23.6	27.7									

BACK RIVER - DARIEN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+ 6.6	0.0	2 Jul 76	1215	0	24.9	28.1								high	Winker, 1976
				1	25.0	27.9									
				2	25.4	27.8									
				3	25.5	27.7									
				4	25.6	27.7									
				5	25.8	27.6									
				6	25.9	27.6									
				7	26.0	27.6									
+ 6.7	0.0		1325	0	23.6	29.1							ebb		
				1	24.8	27.9									
				2	25.5	27.5									
				3	25.9	27.5									
				4	26.3	27.4									
				5	26.4	27.3									
				6	26.5	27.5									

ROCKDEDUNDY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 9.1	0.0	10 Jul 67	0900	0	15.7	27.8			30					Levy, 1968
				3.5	17.9	27.9			72					
				7.5	19.1	27.7			382					
			1000	0	13.7	28.2			24				high	
				3.5	18.8	27.9			50					
				7.5	19.8	28.0			108					
			1100	0	14.9	27.2			22				ebb	
				3.5	19.2	27.0			34					
				7.5	20.4	27.0			42					
			1200	0	11.0	27.5			36				ebb	
				3.5	14.3	27.3			66					
				7.5	17.2	27.2			89					
			1300	0	10.6	27.6			59				ebb	
				3.5	11.8	27.3			77					
				7.5	12.2	27.2			126					
			1400	0	7.5	27.5			117				ebb	
				3.5	8.5	27.7			147					
				7.5	8.6	27.7			256					
			1500	0	5.5	27.7			137				ebb	
				3.5	5.5	27.9			281					
				7.5	6.4	27.8			267					

ROCKDEDUNDY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE			
+ 9.1	0.0	10 Jul 67	1600	0	4.8	28.1			123					ebb	Levy, 1968		
				3.5	4.8	28.1			205								
				7.5	6.2	28.0			350								
			1700	0	5.0	27.9			76								low
				3.5	5.2	28.0			72								
				7.5	7.8	28.2			110								
			1800	0	2.3	28.4			62								flood
				3.5	3.7	28.7			55								
				7.5	6.8	28.6			70								
			1900	0	4.1	28.2			45								flood
				3.5	4.0	28.4			42								
				7.5	10.4	28.5			408								
			2000	0	6.4	28.3			34								flood
				3.5	10.2	28.5			30								
				7.5	12.7	28.6			131								
			2100	0	17.6	28.4			30								flood
				3.5	18.0	28.4			73								
				7.5	19.9	28.2			100								
			2200	0	20.0	28.5			17								high
				3.5	20.7	28.4			21								
				7.5	21.0	28.4			70								

ROCKDEDUNDY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+9.1	0.0	10 Jul 67	2300	0	19.2	28.3			16				ebb	Levy, 1968	
				3.5	20.5	28.4			21						
				7.5	21.7	28.4			20						
		11 Jul 67	0100	0	17.4	28.2			16					ebb	
				3.5	17.6	28.4			44						
				7.5	18.3	28.3			75						
			0200	0	15.0	28.2			176					ebb	
				3.5	15.1	28.2			171						
				7.5	16.1	28.3			387						
			0400	0	6.6	28.1			134					ebb	
				3.5	7.5	28.1			308						
				7.5	7.6	28.2			334						
		0500	0	6.2	28.0			72					flood		
			3.5	6.0	27.9			161							
			7.5	6.1	28.1			209							
		0600	0	5.6	28.0			43					flood		
			3.5	6.0	28.1			89							
			7.5		28.0			149							

NORTH RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+ 7.6	0.0	3 Jun 76	1255	0	9.7	26.4								e. ebb	Winker, 1976
				1	14.0	25.4									
				2	19.3	25.0									
				3	20.8	24.8									
				4	21.2	24.7									
				5	21.8	24.7									
				6	22.1	24.6									
				7	22.2	24.7									
				8	22.6	24.6									
				9	22.8	24.7									
		2 Jul 76		0	26.2	28.0							high		
			1	26.1	27.9										
			2	26.1	27.8										
			3	26.1	27.8										
			4	26.2	27.6										
			5	26.3	27.5										
			6	26.3	27.4										
			7	26.3	27.4										
			8	26.3	27.3										
			9	26.4	27.3										

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE			
+ 6.6	+0.06	28 Aug 61	1000	b	28.1									Henry, 1961			
			1100	b	26.5												
			1200	b	25.2												
			1300	b	24.0												
			1400	0	20.1												
			1500	0	20.0												
			1600	0	19.8												
			1700	0	19.8												
			1900	0	19.4												
			2000	0	21.2												
		2100	0	24.5													
		2200	0	26.5													
		1 Sep 61		0700	0	18.4					7						
					b	18.6					10						
				0800	0	16.9						14					
					b	19.0						23					
				0900	0	16.5						5					
					b	19.6						14					
				1000	0	17.3						17					
					b	20.5						49					

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 6.6	+0.06	1 Sep 61	1100	0	19.0				8					Henry, 1961
				b	21.8				216					
			1200	0	21.2				22					
				b	25.1				238					
			1300	0	24.3				27					
				b	25.8				52					
			1400	0	23.1				10					
				b	26.1				31					
			1500	0	22.8									
				b	24.3									
			1600	0	22.4				92					
				b	23.3				145					
			1700	0	19.7				65					
				b	19.7				72					
			1800	0	18.8				21					
				b	19.0				101					
			1900	0	18.6				14					
				b	18.8				31					

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 8.5	0.0	5 Sep 67	1000	0	20.4	24.7	5		32	50t				Henry, 1968
				4.5	21.1	24.6	7	63	23t					
				9	21.2	24.7	2	77	27t					
			1100	0		24.8	10	33	58t					
				4.5		24.7	12	42	62t					
				9		24.6	7	64	50t					
			1300	0	21.9	25.1		104	20t					
				4.5	22.6	25.1		110	11t					
				9	22.7	25.2		112	12t					
			1400	0	22.1	25.5		81	20t					
				4.5	22.9	25.5		84	24t					
				9	22.2	25.5		86	24t					
			1500	0	22.7	25.8		58	45t					
				4.5	22.9	25.9		59	40t					
				9	22.9	25.9		62	34t					
			1600	0	23.0	26.4	15	26	62t					
				4.5	22.4	26.2	3	31	62t					
				9	22.7	26.2	5	34	62t					
			1700	0	22.4	26.1	15	25	64t					
				4.5	21.6	26.2	14	20	67t					
				9	21.8	26.2	14	39	60t					

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+8.5	0.0	5 Sep 67	1800	0	21.1	21.1	26		22	60 t				Henry, 1968
				4.5	21.5	26.1	22	34	58 t					
				9	20.0	21.2	25	65	50 t					
			1900	0	19.2	25.6	30	24	72 t					
				4.5	20.5	25.6	29	140	65 t					
				9	21.2	25.9	24	246	60 t					
			2000	0	21.6	25.6	35	31	38 t					
				4.5	22.2	25.6	24	40	45 t					
				9	22.4	25.8	37	55	40 t					
		2100	0	25.0	25.5	37	61	12 t						
			4.5	24.5	25.6	37	100	0 t						
			9	24.5	25.6	30	96	0 t						
		2200	0	25.2	25.8	30	61	46 t						
			4.5	25.1	25.6	30	80	32 t						
			9	25.2	25.6	25	107	30 t						
		2300	0	26.5	25.4	20	24	72 t						
			4.5	27.2	25.6	7	31	68 t						
			9	28.0	25.4	2	63	45 t						
		6 Sep 67	0200	0	20.8	25.7	27	23	24 t					
				4.5	22.0	25.8	38	83	24 t					
				9	21.2	25.8	46	94	24 t					

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 8.5	0.0	6 Sep 67	0300	0	20.5	25.6	28		60	40t				Henry, 1968
				4.5	20.9	25.7	25	84	37t					
				9	20.5	25.7	19	94	35t					
			0400	0	21.3	25.8	2	17	70t					
				4.5	21.1	25.8	4	22	72t					
				9	21.2	25.8	3	32	68t					
			0500	0	21.8	25.7	2	14	74t					
				4.5	21.9	25.7	6	16	76t					
				9	21.6	25.7	9	17	75t					
			0600	0	21.7	25.6	22	35	66t					
				4.5	21.8	25.6	20	38	58t					
				9	21.0	25.6	17	54	50t					
			0700	0	16.6	25.2	26	14	73t					
				4.5	20.3	25.5	21	53	50t					
				9	20.3	25.6	22	77	48t					
			0800	0	21.9	25.3	35	47	42t					
				4.5	21.9	25.4	27	79	21t					
				9	21.8	25.4	14	95	24t					
			0900	0	23.2	25.4	38	47	32t					
				4.5	24.7	25.3	30	96	8t					
				9	24.9	25.3	30	246	4t					

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 8.5	0.0	10 Oct 67	2000	0	25.9		6		10					Henry, 1968
				4.5	25.9		12		15					
				9	25.9		6		23					
			2120	0	25.9		9		11					
				4.5	26.0		6		9					
				9	26.0		15		15					
			2240	0	25.9		30		13					
				4.5	25.9		24		16					
				9	25.9		15		15					
		11 Oct 67	0030	0	26.1		37		9					
				4.5	27.1		37		17					
				9	27.0		30		44					
			0120	0	26.5		21		19					
				4.5	26.9		12		26					
				9	27.3		6		35					
0220	0		26.4	23.0	0		13							
	4.5		26.7	23.2	3		14							
	9		26.9	23.5	6		24							
0305	0		26.4	23.1	32		16							
	4.5		26.5	23.1	21		11							
	9		27.0	23.6	12		25							

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 8.5	0.0	11 Oct 67	0400	0	26.0	23.2	58		8					Henry, 1968
				4.5	26.2	23.4	40		13					
				9	26.6	23.5	21		39					
			0510	0	25.7	23.4	37		27					
				4.5	25.8	23.6	30		36					
				9	25.7	23.4	21		41					
			0605	0	25.9	23.4	18		13					
				4.5	25.9	23.3	15		29					
				9	25.8	23.4	15		32					
			0700	0	25.8	23.4	12		17					
				4.5	26.0	23.4	15		12					
				9	25.9	23.4	9		21					
			0815	0	26.0	23.5	6		8					
				4.5	26.0	23.4	12		11					
				9	26.1	23.1	0		14					
			0915	0	25.9	23.7	15		13					
				m	25.9	23.5	18		17					
				b	25.9	23.5	9		13					
			1015	0	25.8	24.0	30		6					
				m	25.8	23.5	27		11					
				b	25.7	23.5	15		22					

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 8.5	0.0	11 Oct 67	1115	0	25.7	23.8	37		10					Henry, 1968
				m	26.0	23.4	30		26					
				b	26.0	23.3	21		35					
				0	25.6	23.9	55		11					
				m	27.3	23.3	43		38					
				b	27.8	23.3	21		54					
				1310	0	26.5	23.9	49		24				
				m	27.2	23.2	34		56					
				b	27.4	23.2	21		78					
			1410	0	27.2	23.9	40		13					
			m	28.1	23.5	30		33						
			b	28.3	23.4	21		166						
			1455	0	27.4	24.2	6		10					
			m	28.9	23.4	9		23						
			b	29.5	23.2	6		43						
			1607	0	27.1	24.0	40		7					
			m	27.6	23.5	43		14						
			b	28.3	23.4	15		63						
			1655	0	26.9	23.6	67		23					
			m	27.0	23.7	67		58						
			b	27.0	23.6	46		104						

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	OD	PH	TIDE	SOURCE
+ 8.5	0.0	11 Oct 67	1755	0	25.8	23.7	55		21					Henry, 1968
				m	25.9	23.8	46		51					
				b	26.0	23.6	27		51					
			1910	0	25.9	23.9	21		16					
				m	26.0	23.8	15		25					
				b	26.1	23.8	9		21					
			2015	0	25.9	23.8	18		1					
				m	25.8	23.7	18		24					
				b	26.0	23.7	12		14					
		3 Nov 67	1200	0	27.7	20.0	46	225	57					
				m	27.7	20.1	43	225	67					
				b	27.9	20.0	43	225	71					
			1300	0	26.1	20.3	46	225	67					
				m	26.0	20.4	46	230	82					
				b	26.0	20.2	43	225	81					
			1400	0	25.5	20.3	82	220	71					
				m	25.5	20.3	82	225	70					
				b	25.4	20.3	56	225	84					
1500	0	25.6	20.3	22	215	36								
	m	25.7	20.3	22	210	44								
	b	25.6	20.3	23	230	55								

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE			
+ 8.5	0.0	3 Nov 67	1600	0	24.4	20.5	17	230	15						Henry, 1968		
				m	24.6	20.4	14	215	16								
				b	25.6	20.4	10	230	21								
			1700	0	25.5	20.3	25	030	13								
				m	25.5	20.4	20	025	15								
				b	25.6	20.3	20	360	21								
			1800	0	25.6	20.2	37	360	21								
				m	25.6	20.3	31	360	30								
				b	25.3	20.3	31	360	39								
			1900	0	24.0	20.1	46	360	21								
				m	25.0	20.1	36	360	44								
				b	24.1	20.2	25	360	52								
			2000	0	24.9	21.2	56	360	63								
				m	25.1	21.1	56	003	68								
				b	25.0	21.2	50	005	56								
			2100	0	27.0	20.1	46	360	32								
				m	27.0	20.0	48	360	34								
				b	27.3	20.1	47	015	37								
			2200	0	27.7	19.8	10	035	11								
				m	27.7	19.9	18	015	17								
				b	27.8	19.9	15	027	25								

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEP H	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+ 8.5	0.0	3 Nov 67	2300	0	27.9	19.6	56	215	16					Henry, 1968	
				m	27.5	19.8	50	220	36						
				b	27.6	19.9	44	230	39						
			2400	0	26.4	19.8	66	215	28						
				m	26.5	20.0	66	225	64						
				b	26.8	19.7	56	230	59						
		4 Nov 67	0200	0	25.8	19.3	30	115	17						
				m	25.6	19.4	30	215	44						
				b	25.6	19.2	20	190	40						
			0300	0	25.3	19.2	15	215	12						
				m	25.3	19.1	15	235	22						
				b	25.3	19.1	22	185	25						
			0400	0	25.2	19.1	15	225	19						
				m	25.2	19.1	12	225	17						
				b	25.2	19.1	10	230	20						
			0500	0			21	360	13						
				m			17	360	14						
				b			17	360	15						
0600	0	25.3	18.9	44	360	20									
	m	25.2	19.0	44	360	24									
	b	25.7	19.1	44	005	19									

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+ 8.5	0.0	4 Nov 67	0700	0	23.8	20.7	50	360	33					Henry, 1968		
				m	23.8	20.9	49	360	52							
				b	23.7	20.9	44	009	59							
			0800	0	23.4	20.7	62	360	42							
				m	24.1	20.7	61	360	78							
				b	23.8	22.0	47	004	107							
			0900	0	26.6	18.6	51		43							
				m	26.7	18.7	51		53							
				b	26.1		48		66							
			1000	0	27.8	18.7	51		42							
				m	28.1	18.7	77		60							
				b	28.2	18.4	62		66							
		1100	0	30.1	19.5	27	015	31								
			m	28.9	19.6	19	360	55								
			b	29.7	19.2	20	360	91								
		Dec 67		2100	0	24.3	16.9	9	010	3	84t					
					3.5	24.4	16.8	13	360	4	84t					
					7.5	24.4	16.6	8	012	5	84t					
				2200	0	23.6	17.7	32	360	7	82t					
					3.5	23.4	18.2	26	360	6	82t					
					7.5	23.3	18.3	19	005	6	82t					

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 8.5	0.0	Dec 67	2300	0	23.6	14.5	39	360	9	74t				Henry, 1968
				3.5	25.1	14.8	33	360	5	78t				
				7.5	25.1	14.9	27	360	12	78t				
			2400	0	22.9	15.3	37	360	4	72t				
				3.5	24.9	15.6	41	360	15	60t				
				7.5	25.5	16.0	36	360	45	48t				
			0100	0	24.3	15.4	48	360	7	68t				
				3.5	25.3	15.8	37	360	29	54t				
				7.5	25.5	15.8	25	360	49	47t				
			0200	0	25.4	16.3	30	360	8	71t				
				3.5	25.0	16.1	32	360	8	64t				
				7.5	25.5	17.2	27	360	26	59t				
			0300	0	25.6	15.1	36	225	7	72t				
				3.5	26.0	15.2	28	220	10	68t				
				7.5	25.8	16.1	24	217	24	65t				
			0400	0	25.3	15.8	70	195	8	64t				
				3.5	25.0	15.9	57	190	8	50t				
				7.5	25.1	15.9	43	205	55	44t				
			0500	0	25.0	14.8	61	195	7	61t				
				3.5	25.2	14.8	56	195	24	58t				
				7.5	25.2	14.6	39	200	26	56t				

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+ 8.5	0.0	Dec 67	0600	0	22.3	19.2	27	215	8	81t				Henry, 1968		
				3.5	22.6	19.5	25	220	11	80t						
				7.5	22.6	18.9	16	200	14	79t						
			0700	0	22.9	18.2	22	230	7	83t						
				3.5	22.7	19.2	23	210	7	83t						
				7.5	23.6	18.4	18	190	7	84t						
			0800	0	23.4	18.1	6	220	6	83t						
				3.5	23.4	18.0	7	200	5	85t						
				7.5	23.4	18.1	6	180	7	84t						
			0900	0	23.2	18.8	4	360	5	82t						
				3.5	23.3	18.5	6	200	5	85t						
				7.5	23.4	18.3	4	008	6	84t						
			1000	0	23.6	18.0	10	010	4	85t						
				3.5	23.5	18.0	12	007	6	85t						
				7.5	23.3	18.2	23	360	5	83t						
			1100	0	23.0	19.0	29	360	5	80t						
				3.5	22.2	19.9	30	360	9	76t						
				7.5	22.4	19.8	29	360	14	74t						
			1200	0	24.6	15.9	44	360	10	70t						
				3.5	25.2	16.1	39	360	23	50t						
				7.5	25.0	17.2	31	360	27	38t						

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+ 8.5	0.0	Dec 67	1400	0	22.4	23.0	41	360	13	32t				Henry, 1968		
				3.5	23.3	20.4	29	360		29t						
				7.5	23.9	19.3	16	360	39	28t						
			1500	0	22.7	22.4	2	197	10	47t						
				3.5	23.8	20.3	1	020	16	40t						
				7.5	24.3	19.4	10	360	33	34t						
			1600	0	24.6	18.1	49	230	10	70t						
				3.5	24.0	19.0	46	234	11	64t						
				7.5	24.1	19.0	36	225	42	39t						
			1700	0	23.6	18.9	63	235	11	47t						
				3.5	23.6	19.2	48	220	19	42t						
				7.5	23.5	19.4	41	217	30	39t						
			1800	0	23.3	19.0	41	220	11	74t						
				3.5	22.7	20.1	28	220	15	69t						
				7.5	22.8	19.9	23	215	22	68t						
			1900	0	24.9	15.7	21	230	8	77t						
				3.5	25.1	15.7	21	225	9	77t						
				7.5	25.2	15.6	16	215	7	76t						
			2000	0	23.2	19.0	17	220	4	79t						
				3.5	22.8	20.0	21	215	4	79t						
				7.5	22.9	19.7	16	215	6	78t						

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+ 8.5	0.0	Jan 68	1800	0	21.6		24		9	72t				Henry, 1968		
				m	21.7		20		9	73t						
				b	21.8	9.0	12		5	80t						
			1900	0	21.2		46		7	62t						
				m	21.3		45		14	60t						
				b	21.3		30		15	60t						
			2000	0	16.5		61		14	50t						
				m	20.4		39		46	40t						
				b	20.7		28		46	38t						
			2100	0	19.9		56		17	36t						
				m	21.3	8.1	51		97	29t						
				b	21.6	8.3	43		114	19t						
			2200	0	22.2	7.7	41		39							
				m	23.0	7.8	32		196							
				b	22.8	7.8	36		190							
			2300	0	22.9	8.0	12		18							
				m	23.8	8.2	16		55							
				b	23.7	7.9	18		178							
			2400	0	22.5	7.7	44		14							
				m	22.4	8.0	43		22							
				b	22.9	7.9	44		44							

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+ 8.5	0.0	Jan 68	0200	0	20.7	7.7	50		37					Henry, 1968		
				m	20.7	7.5	50		52							
				b	20.9	7.5	56		71							
			0300	0	20.7	7.9	36		23							
				m	20.8	7.9	36		34							
				b	20.8	7.9	34		36							
			0400	0	21.0	8.1	21		9							
				m	21.0	8.0	22		10							
				b	21.1	8.0	20		16							
			0500	0	21.0	8.0	7		8							
				m	21.0	8.0	8		6							
				b	21.0	8.0	6		7							
			0600	0	21.0	8.0	3		8							
				m	21.0	8.0	4		6							
				b	21.0	8.0	2		4							
			0700	0	20.8	8.1	32		3							
				m	20.8	8.0	22		8							
				b	20.8	8.0	22		11							
			0800	0	18.0	7.6	47		14							
				m	20.1	7.9	34		14							
				b	20.5	7.9	27		13							

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 8.5	0.0	Jan 68	0900	0	15.9	7.2	77		16					Henry, 1968
				m	21.4	7.8	44		56					
				b	21.0	7.8	42		172					
			1000	0	20.8	7.9	46		39					
				m	22.1	8.0	45		168					
				b	22.3	7.9	46		186					
			1100	0	19.2	8.0	56		9					
				m	24.5	8.2	41		102					
				b	24.6	8.2	41		173					
			1200	0	25.1	8.3	6		19					
				m	25.1	8.4	12		57					
				b	25.7	8.4	7		186					
			1300	0	20.5	9.0	51		14					
				m	20.7	8.6	61		19					
				b	23.0	8.3	61		47					
			1400	0	21.0	8.2	87		116					
				m	21.3	8.1	82		162					
				b	21.1	8.1	72		186					
			1500	0	20.1	8.5	67		34					
				m	20.1	8.3	57		43					
				b	20.3	8.3	48		47					

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 8.5	0.0	Jan 68	1600	0	20.8	8.6	23		17					Henry, 1968
				m	20.8	8.7	21		18					
				b	20.7	8.7	21		19					
		23 Feb 68	1800	0	25.8	10.0	49		46	40t				
				m	25.1	8.9	48		64	32t				
				b	25.8	9.5	40		46	26t				
			1900	0	24.4	8.9	47		37	62t				
				m	23.9	9.7	38		41	55t				
				b	24.5	9.1	30		47	58t				
			2010	0	23.9	8.6	32		20	76t				
				m	23.7	8.7	34		23	73t				
				b	23.9	8.9	15		28	72t				
			2100	0	23.7	8.5	36		14	76t				
				m	23.5	8.8	30		20	75t				
				b	23.6	8.8	19		22	72t				
			2200	0	23.4	8.3	15		13	76t				
				m	23.5	8.3	27		12	75t				
				b	23.7	8.4	30		12	75t				
			2300	0	23.5	8.3	15	250	14	93t				
				m	23.4	8.3	25	045	11	92t				
				b	23.6	8.4	22	315	12	92t				

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+ 8.5	0.0	23 Feb 68	2400	0	23.6	8.4	17	340	11	84t				Henry, 1968		
				m	23.7	8.3	30	345	10	84t						
				b	26.3	8.7	25	350	39	63t						
		24 Feb 68	0100	0	24.2	8.1	22	340	15	80t						
				m	24.2	8.2	32	345	12	82t						
				b	24.2	8.3	25	070	26	73t						
			0200	0	25.0	8.0	25	345	10	81t						
				m	24.8	8.0	32	345	10	81t						
				b	24.7	8.1	30	355	145	80t						
		0300	0	26.2	7.9	56	355	20	72t							
			m	27.4	7.9	48	345	53	40t							
			b	27.3	8.1	20	330	127	42t							
		0400	0	26.7	8.0	41	360	24	40t							
			m	29.1	8.2	24	350		26t							
			b	28.8	8.1	50	360	238	6t							
		0500	0	28.6	7.9	47	350	175	45t							
			m	29.6	7.9	39	360	203	15t							
			b	29.9	7.8	37	335	263	18t							
		0600	0	28.7	7.4	51	315	18	67t							
			m	30.6	7.6	36	300	48	50t							
			b	30.8	7.4	61	280	98	42t							

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 8.5	0.0	24 Feb 68	0700	0	28.0	7.9	41	270	92	22t				Henry, 1968
				m	28.1	7.9	39	270	211	14t				
				b	28.4	7.8	46	255	290	8t				
			0800	0	27.6	7.7	43	270	55	16t				
				m	27.0	7.9	41	260	76	18t				
				b	27.1	7.8	41	272	85	17t				
			0900	0	25.5	7.6	43	275	36	45t				
				m	25.2	7.6	38	265	44	45t				
				b	25.2	7.7	39	255	56	47t				
			1000	0	23.7	7.2	31	255	26	255t				
				m	24.0	7.5	22	250	29	250t				
				b	24.3	7.2	21	250	30	250t				
			1100	0	23.9	7.4	10	275	19	70t				
				m	24.0	7.4	5	260	20	69t				
				b	23.9	7.6	9	267	23	70t				
			1200	0	23.9	7.3	3	275	12	76t				
				m	23.8	7.5	15	270	15	77t				
				b	24.0	7.5	5	270	21	75t				
			1300	0	24.0	7.3	15	275	5	78t				
				m	23.9	7.4	27	275	11	77t				
				b	24.1	7.4	25	270	14	75t				

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 8.5	0.0	24 Feb 68	1400	0	24.5	7.3	30	275	15	78t				Henry, 1968
				m	24.5	7.5	22	270	9	76t				
				b	25.0	7.5	38	275	48	64t				
			1500	0	24.6	7.4	36	280	21	63t				
				m	25.7	7.4	24	275	33	62t				
				b	25.8	7.3	31	280	41	45t				
			1600	0	25.6	7.3	32	270	26	65t				
				m	27.1	7.4	31	265	54	43t				
				b	27.1	7.2	36	270	129	32t				
		1700	0	26.0	7.3	26	270	19	59t					
			m	26.8	7.4	27	275	47	51t					
			b	26.1	7.3	33	270	49	56t					
		Mar 68	1100	2	25.6	13.4	15		35	34t				flood
				2	25.4	13.4	56		21	42t			ebb	
			1303	2	23.5	13.7	84		106	9t			ebb	
			1400	2	22.2	14.1	62		47	22t			ebb	
			1500	2	22.3	14.7	32		33	50t			ebb	
			1600	2	22.4	14.7	28		16	57t			ebb	
1700	2		22.4	15.0	20		9	64t			flood			
1800	2		22.3	14.8			6				flood			
1900	2		22.4	14.7	43		21	55t			flood			
2000	2	21.9	14.5	46		29	36t			flood				

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+ 8.5	0.0	Mar 68	2100	2	23.0	14.3	56		65	22t				flood	Henry, 1968	
			2200	2	24.6	13.8	61		78	12t				flood		
			2304	2	25.9	13.7	43		47	30t				flood		
			2400	2	25.8	13.4	25		24	42t				flood		
			0100	2	24.7	13.5	66		16	52t				ebb		
			0200	2			51									
			0300	2	22.0	13.4	37			43t						ebb
			0400	2	22.0	13.4	29		30	47t						ebb
			0500	2	22.3	14.5	21		20	56t						ebb
			0600	2	22.2	14.4	6		10	66t						ebb
		0700	2	22.2	14.3	26		9	67t					flood		
		0800	2	22.0	14.3	37		15	59t					flood		
		0900	2	21.8	13.8	27		39	38t					flood		
		1000	2	23.3	13.4	44		78	19t					flood		
		27 Apr 68		0930	2			56			64t				ebb	
				0945	2	23.9	21.8							7.7	ebb	
				1000	2	23.7	22.0	67		37	52t			7.6	ebb	
				1015	2	23.4	21.8	67			56t	7.5			ebb	
				1035	2	23.3	21.7	64			50t				ebb	
				1045	2	23.2	21.8	64			48t	7.0			ebb	
		1100	2	22.9	21.9	52			46t				ebb			

DUPLLN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE			
+ 8.5	0.0	27 Apr 68	1115	2	22.8	21.9	46				50t	6.5	7.5	ebb	Henry, 1968		
			1130	2	22.9	21.9	45				62t	6.7		ebb			
			1145	2	22.9	22.0	41					68t	6.7			ebb	
			1200	2	22.8	21.9	37			32		69t	6.6	7.5		ebb	
			1215	2	22.9	22.0	32					69t	6.6			ebb	
			1230	2	23.0	22.0	31					70t	6.6	7.5		ebb	
			1245	2	23.1	22.1	31					70t	6.5			ebb	
			1300	2	23.1	22.1	27				13	72t	6.6	7.4		ebb	
			1315	2	23.2	22.2	22					74t	6.6			ebb	
			1330	2	23.1	22.2	18					74t	6.8	7.4		ebb	
			1345	2	23.2	22.1	12					76t	6.6			ebb	
			1400	2	23.2	22.1	4				13	76t	6.9			l. ebb	
			1415	2	23.2	22.1	0					76t		7.4		low	
			1430	2	22.9	22.2	7					73t	7.2	7.4		e. fld.	
			1445	2	23.2	22.4	12					72t	7.4			flood	
			1500	2	23.2	22.1	14					72t	6.7	7.5		flood	
			1515	2	23.2	22.1	23					72t	7.5			flood	
			1530	2	23.2	22.2	38					73t	7.5	7.5		flood	
			1545	2	23.0	22.2	49					69t	7.1			flood	
			1600	2	22.9	22.2	51					21	62t	7.5		7.5	flood
			1615	2	22.5	22.6	51						53t	7.5			flood
			1630	2	22.5	22.5	51						46t	7.3		7.5	flood
			1645	2	22.5	22.4	44						36t	7.6			flood
			1700	2	22.6	22.2	56					36	32t	7.8		7.7	flood

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+ 8.5	0.0	27 Apr 68	1715	2	23.6	22.1	64			37t	7.4		flood	Henry, 1968	
			1730	2	23.8	22.0	56			31t	7.6	7.8	flood		
			1745	2	23.7	22.2	83				48t	7.6			flood
			1800	2	23.6	22.2	64			50	30t	7.7	7.8		flood
			1815	2	24.3	22.0	56				24t	7.7			flood
			1830	2	24.6	21.9	61				40t	7.7	7.8		flood
			1845	2	24.6	21.9	51				30 t	7.6			flood
			1900	2	24.7	22.0	51			31	40t	7.7			flood
			1915	2	25.0	21.8	42				16t	7.9			flood
			1930	2	25.5	21.8	53				30t	7.8	7.9		flood
			1945	2	25.6	21.9	41				44t	7.8			flood
			2000	2	25.4	21.8	31			33	48t	7.7	7.9		flood
			2015	2	25.2	21.8	5				56t	7.9			l. fld.
			2030	2	25.2	21.8	20				54t	7.8	7.9		e. ebb
			2045	2	24.9	21.9	40				54t	7.9			ebb
			2100	2	24.9	21.8	67			15	56t	8.0	7.9		ebb
			2115	2	24.5	21.8	83				28t	7.7			ebb
			2130	2	24.5	21.9	82				32t	7.6	7.8		ebb
			2145	2	24.3	21.9	77				30t	7.7			ebb
			2200	2	23.7	21.8	77			39	24t	7.6	7.7		ebb
			2215	2	23.7	21.8	82				34t	7.5			ebb
			2230	2	23.3	21.9	77				40t	7.5	7.6		ebb
			2245	2	23.1	22.0	77				36t	7.4			ebb
			2300	2	27.8	21.9	66			53	36t	7.2	7.6		ebb

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+ 8.5	0.0	27 Apr 68	2315	2	22.7	22.0	56			46t	7.1		ebb	Henry, 1968		
			2330	2	22.6	21.9	51			48t	7.0	7.5	ebb			
			2345	2	22.5	21.9	41			56t	6.6		ebb			
			2400	2	22.5	21.9	39		44	60t	6.5	7.5	ebb			
		28 Apr 68	0015	2	22.8	22.0	39				60t	6.5			ebb	
			0030	2	22.7	21.8	23				62t	6.4	7.4		ebb	
			0045	2	22.7	21.8					64t	5.7			ebb	
			0100	2	22.5	22.1				16	68t	5.6	7.5		ebb	
			0115	2	22.5	21.9					68t	5.5			ebb	
			0130	2	22.5	22.0	23				66t	6.3			ebb	
			0145	2					35			6.2			ebb	
			0100	2	22.5	22.1	31			16	62t	6.1	7.5		ebb	
			0115	2	22.7	21.8	19				62t	6.1			ebb	
			0130	2	22.7	21.8	10				62t	6.0	7.5		l. ebb	
			0145	2	22.6	21.9	0				64t	6.1			l. low	
			0200	2	22.5	21.8	15			14	64t	5.9	7.5		e. fld.	
			0215	2	22.8	21.8	18				63t	6.0			flood	
			0230	2	22.7	22.0	26				64t	6.0	7.5		flood	
			0245	2	22.7	21.8	29				65t	6.0			flood	
			0300	2	22.8	21.8	30				11	65t	6.1	7.5		flood
		0315	2	22.8	21.7	35					65t	6.2			flood	
		0330	2	22.7	21.7	30					63t	6.1			flood	
		0345	2	22.8	22.7	28					60t	6.5			flood	

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 8.5	0.0	28 Apr 68	0445	2	22.5	22.2	48				6.5		flood	Henry, 1968
			0500	2	23.3	21.9	46			40t	6.7	7.7	flood	
			0515	2	23.6	21.7	37			39t	6.8		flood	
			0530	2	23.5	21.7	39			33t	6.9	7.7	flood	
			0545	2	23.4	21.5	42			36t	6.6		flood	
			0600	2	23.6	21.6	26		20	37t	6.8	7.8	flood	
			0615	2	23.5	21.6	24			36t	6.7		flood	
			0630	2	23.6	21.6	20			38t	6.5	7.7	flood	
			0645	2	22.9	21.3	10			48t	6.3		flood	
			0700	2	22.8	21.4	9			45t	6.3	7.7	flood	
			0715	2	23.5	21.8	1			49t	6.6			
			0730	2	23.7	21.5	6			50t	6.7	7.8	ebb	
			0745	2	23.3	21.3	13			50t	6.7		ebb	
			0800	2	23.1	21.6	15		19	56t	6.8	7.8	ebb	
			0815	2	23.5	21.5	22			54t	6.9			
			0830	2	23.2	21.5	26			54t	6.8			
			0910	2	21.9	22.4	31			60t				
		15 Jul 68	0830		22.5	28.4							flood	
			0845		22.2	28.0							flood	
			0900		22.3	27.9			30				flood	

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+ 8.5	0.0	15 Jul 68	0915		22.3	28.3								flood	Henry, 1968	
			0930		22.5	28.3								flood		
			0945		22.6	28.3										flood
			1000		23.5	28.3					74					flood
			1015		23.8	28.4										flood
			1030		24.0	28.4										flood
			1045		24.0	28.3										flood
			1100		24.1	28.2						60				flood
			1115		24.1	28.4										flood
			1130		24.6	28.9			41							flood
			1145		24.7	28.2			43							flood
			1200		25.2	28.5			20			31				flood
			1215		25.2	28.5			17							flood
			1230		25.6	29.1			2							flood
			1245		25.7	28.1			2							ebb
			1300		25.5	28.4			2				32			ebb
			1315		25.7	28.2			1							ebb
			1330		25.3	28.2			32							ebb
			1345		24.2	28.7			41							ebb
			1400		24.2	28.6			34				22			ebb

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE			
+ 8.5	0.0	15 Jul 68	1415		24.1	28.6	39						ebb	Henry, 1968			
			1430		24.0	28.8	39						ebb				
			1445		23.6	28.9	40								ebb		
			1500		23.6	28.6	40			63					ebb		
			1515		23.2	29.0	31									ebb	
			1530		22.6	29.1	39									ebb	
			1545		22.5	29.1	31									ebb	
			1600		22.5	29.3	21				12					ebb	
			1615		22.4	29.4	21									ebb	
			1630		22.4	29.5	21									ebb	
			1645		22.3	29.4	21									ebb	
			1700		22.3	29.5						28				ebb	
			1715		22.4	29.3	20									ebb	
			1730		22.6	29.4	18									ebb	
			1745		22.6	29.4	11									ebb	
			1800		22.7	29.5	6						19				ebb
			1815		22.8	29.7	6										ebb
			1830		22.8	29.6	8										flood
			1845		22.7	29.7	6										flood
			1900		22.7	29.7	8						16				flood
			1915		22.5	29.7	6										flood
			1930		22.5	29.6	5										flood
			1945		22.5	29.5	13										flood
			2000		22.3	29.4	20						12				flood

. DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE			
+ 8.5	0.0	15 Jul 68	2015		22.3	29.2	18						flood	Henry, 1968			
			2030		22.3	29.3	19						flood				
			2045		22.4	29.3	21								flood		
			2100		22.6	29.2	20			15					flood		
			2115		22.6	29.2	19									flood	
			2130		22.6	29.0	23									flood	
			2145		22.7	28.9	26									flood	
			2200		22.8	28.7	29			22						flood	
			2215		22.8	28.5	36										flood
			2230		23.4	28.5	35										flood
			2245		23.7	28.4	38										flood
			2300		24.2	28.9	31				39						flood
		2315		24.5	28.7	32									flood		
		2330		24.4	29.0	26									flood		
		2345		24.6	28.9	31									flood		
		2400		25.1	28.8	26				43					flood		
		16 Jul 68	0015		25.0	28.8	24									flood	
			0030		25.9	28.8	18									flood	
			0045		25.5	28.5	15									flood	
			0100		25.3	28.4	9				20					flood	
			0115		25.2	28.8	1										
			0130														
			0145														
			0200		24.8	28.6	31				23					ebb	

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE			
+ 8.5	0.0	16 Jul 68	0215		24.6	28.9	39							ebb	Henry, 1968		
			0230		24.6	28.9	39							ebb			
			0245														
			0300							36							
			0315				23.3	28.8	39								ebb
			0330				23.1	28.8	39								ebb
			0345				22.8	28.9	37								ebb
			0400				22.7	28.9	31		10						ebb
			0415				22.5	28.7	26								ebb
			0430				22.4	28.8	23								ebb
			0445				22.4	29.1	22								ebb
			0500				22.4	29.0	19		45						ebb
			0515				22.3	28.9	17								ebb
			0530				22.4	29.1	16								ebb
			0545				22.4	29.1	11								ebb
			0600				22.5	29.2	10		26						ebb
			0615				22.5	29.2	6								ebb
			0630				22.5	29.2	3								ebb
			0645				22.5	29.2	1								
			0700				22.5	28.9	0		16						low
			0715				22.5	28.8	2								flood
			0730				22.6	29.1	4								flood
			0745				22.7	28.8	9								flood
			0800				22.8	29.1	11		18						flood

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 8.5	0.0	5 Aug 68	0930	2			26	092	24	91t				Henry, 1968
			0945	2			21	091		89t				
			1015	2		30.2	0	090		90t				
			1030	2	24.7	30.3	9	091	14	90t				
			1045	2	24.4	30.0	0	110		91t				
			1100	2	24.5		0	100		91t				
			1115	2	24.6	30.1	0	090		91t				
			1130	2	24.7	30.1	0	110	13	90t				
			1145	2	24.7	30.2	0	330		90t				
			1200	2	24.8	30.2	7	330		90t				
			1215	2	24.8	30.0	22	330		90t				
			1230	2	24.8	30.2	11	330	19	89t				
			1245	2	24.8	30.2	13	330		83t				
			1300	2	24.7	30.2	31	330		80t				
			1315	2	24.9	30.8	37	330		89t				
			1330	2	24.8	30.4	37	330	28	85t				
			1345	2	23.6	30.2	42	330		74t				
			1400	2	24.1	30.2	38	330		62t				
			1430	2	25.6	30.3	37	330	102	40t				
			1445	2	25.4	30.6	40	330		73t				
			1500	2	25.4	30.7	39	330		65t				

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+ 8.5	0.0	5 Aug 68	1515	2	25.6	30.7	38	330			60t				Henry, 1968	
			1530	2	25.8	30.6	38	330	24		82t					
			1545	2	26.7	30.2	40	330				65t				
			1600	2	27.3	30.7	30	318				80t				
			1615	2	27.8	30.6	38	330				70t				
			1630	2	28.1	30.6	37	330				74t				
			1645	2	28.7	30.9	38	330				82t				
			1700	2	28.9	30.8	38	330				70t				
			1715	2	29.0	30.8	37	315				82t				
			1730	2	29.1	30.8	33	315				83t				
			1745	2	29.4	31.0	25	330				81t				
			1800	2	29.4	30.9	15	315				89t				
			1815	2	29.5	30.9	3	315				89t				
			1830	2	29.5	30.8	8	105	20			89t				
			1845	2	28.9	30.5	27	095				89t				
			1900	2	28.9	30.5	39	095				90t				
			1915	2	28.8	30.9	28	094				70t				
			1930	2	28.4	30.8	33	115	72			70t				
			1945	2	27.6	30.8	36	110				68t				
			2000	2	27.3	30.5	36	115				67t				
			2015	2	26.6	30.5	28	115				66t				
			2030	2	25.8	30.2	33	115	144			48t				
			2045	2	25.5	30.2	37	110				40t				
			2100	2	24.9	30.5	33	105				40t				

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE			
+ 8.5	0.0	5 Aug 68	2115	2	25.0	30.6	36	105			40t				Henry, 1968		
			2130	2	24.7	30.6	26	105	121		50t						
			2145	2	24.6	30.4	30	105				62t					
			2200	2	24.6	30.6	27	105				73t					
			2215	2	24.7	30.6	20	110				76t					
			2230	2	24.6	30.6	16	100	47			82t					
			2245	2	24.6	30.6	11	110				84t					
			2300	2	24.6	30.6	16	105				88t					
			2315	2	24.6	30.4	16	105				88t					
			2330	2	24.6	30.4	16	100	27			86t					
			2345	2	24.6	30.4	12	100				86t					
			2400	2	24.5	30.4	10	105				87t					
			6 Aug 68	0015	2	24.4	30.4	4	105				87t				
				0030	2	24.3	30.4	7	275	20			80t				
		0045		2	24.4	30.8	8	275				86t					
		0100		2	24.4	30.8	12	275				87t					
		0115		2	24.4	30.8	17	275				87t					
		0130		2	24.6	30.8	21	275	22			85t					
		0145		2	24.6	30.8	26	275				80t					
		0200		2	24.7	30.6	30	275				80t					
		0215		2	24.7	30.6	31	275				78t					
		0220		2	24.7	30.6	23	265	41			78t					
		0245		2	24.5	30.5	21	265				83t					
		0300		2	24.2	30.5	23	265				80t					

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 8.5	0.0	6 Aug 68	0315	2	24.4	30.4	32	265		83t				Henry, 1968
			0330	2	24.4	30.2	34	265	94	66t				
			0345	2	25.2	30.1	37	265		68t				
			0400	2	25.0	29.9	37	265		80t				
			0415	2	25.2	29.7	36	270		66t				
			0430	2	25.6	30.0	32	265	62	72t				
			0445	2	25.9	29.6	32	265		74t				
			0500	2	26.3	29.9	31	265		80t				
			0515	2	26.4	30.0	25	270		76t				
			0530	2	26.3	29.5	30	265	16	88t				
			0545	2	26.8	29.7	22	265		88t				
			0600	2	27.1	29.9	10	265		76t				
			0630	2	26.7	29.7	4	088	24	80t				
			0645	2	26.7	30.0	10	088		86t				
			0700	2	26.7	29.9	25	090		86t				
			0715	2	26.3	29.8	37	090		83t				
			0730	2	25.8	29.8	41	090	24	82t				
			0745	2	25.5	30.0	41	090		58t				
			0800	2	25.3	30.1	41			74t			ebb	
			0815	2	25.0	29.8	38			70t			ebb	
			0830	2	24.6	30.1	39		88	66t			ebb	
			0845	2	24.7	29.9	38			65t			ebb	
			0900	2	24.4	30.2	32			68t			ebb	

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 8.5	0.0	6 Aug 68	0915	2	24.1	30.4	29			70t			ebb	Henry, 1968
			0930	2	24.2	30.4	25		66	78t			ebb	
			0945	2	24.2	30.2	21			78t			ebb	
			1000	2	24.2	30.4	18			81t			ebb	
+ 7.4	0.0	19 Mar 69	1030		22.0	12.1	37	178		32t				Howard, 1969
			1100		20.2	12.1	50	170		33t				
			1130		19.1	12.1	45	165		19t				
			1200		17.5	12.4	42	162		40t				
			1240		17.5	12.6	40	160		64t				
			1305		17.5	12.8	18	165		70t				
			1330		17.4	12.8	17	160		76t				
			1400		17.4	13.0	17	170		78t				
			1430		17.6	13.2	0			86t				
			1500		17.6	13.3	0			86t				
			1530		17.6	13.3	0			89t				
			1600		17.5	13.3	0			89t				
			1630		17.4	13.2	24	340		88t				
			1700		17.4	13.2	27	345		84t				
			1730		18.2	12.9	42	345		68t				
			1800		18.6	12.9	45	345		60t				

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE				
+ 7.4	0.0	19 Mar 69	1830		18.6	12.9	47	345		38t				Howard, 1969				
			1900		20.0	12.7	49	345		36t								
			1930		22.4	12.8	37	350		26t								
			2000		23.4	12.9	48	350		11t								
			2030		24.3	12.8	50	350		9t								
			2100		24.7	12.6	43	345		8t								
			2130		25.4	12.6	34	345		56t								
			2200		26.0	12.6	4	345		75t								
			2230		25.4	12.6	46	165		72t								
			2315		23.8	12.9	38	165		18t								
			+12.2	0.0	27 Mar 69	1005		19.5	15.8	0			96t					
						1105		20.0	15.4	0			96t					
						1135		19.8	15.3	0			94t					
						1205		19.7	15.3	0			94t					
1235		20.4				15.5	0			92t								
1305		20.4				15.8	0			92t								
1335		20.0				15.9	0			92t								
1405		20.6				15.9	2	210		90t								
1435		22.9				15.2		225		90t								
1505		22.8				15.2	2	320		90t								
1535		22.8				15.2	1	295		90t								

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+12.2	0.0	27 Mar 69	1605		22.1	15.2	0							Howard, 1969
			1635		20.0	16.2	0				88t			
			1705		19.7	16.4	6	180			88t			
			1735		20.8	15.9	4	195			88t			
			1805		22.1	15.6	2	260			89t			
			1835		20.2	16.0	2	210			88t			
			1905		20.2	16.1	2	180			88t			
			1935		20.5	15.9	2	350			90t			
			2005		22.4	15.6	2	045			90t			
			2035		23.8	15.2	4	040			89t			
			2105		24.5	15.0	0	015			90t			
			2135		23.9	15.0	1	105			89t			
			2205		24.1	15.1	3	075			89t			
			+ 6.0	0.0	14 Oct 70	1315	0	25.7	26.6			37		
	b	25.7				26.6			90					
+11.3	0.0		1720	0	25.9	26.5			15					
				b	25.9	26.5			28					
+13.0	0.0		2137	0	26.2	26.3			12					
				b	26.3	26.3			3					
+15.6	0.0	16 Oct 70	1045	0	24.6	26.5			15					
				b	26.3	26.4			25					

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOUR CE
+15.0	0.0	16 Oct 70	1330	0	24.0	26.2			56					Henry, 1970
				b	24.0	26.0			124					
+11.8	+0.2		1540	0	24.4	26.0			19					
				b	24.4	26.0			22					
+17.5	0.0	20 Oct 70	1315	0	23.8	22.7			8					
				b	23.8	22.6			11					
+15.4	0.0		1530	0	23.7	23.2			25					
				b	23.7	23.4			27					
+11.9	+0.2		1730	0	24.3	22.7			11					
				b	24.2	22.8			15					
+ 6.0	-0.1	22 Oct 70	0845	0	26.3	22.0			2					
				b	26.9	21.8			8					
+ 6.7	+0.1		1100	0	26.0	22.6			0					
				b	27.4	22.4			1					
+10.0	0.0		1430	0	25.9	23.7			4					
				b	25.7	24.8			19					
+11.9	+0.2	2 Nov 70	1130	0	26.0	22.3			4					
				b	26.0	22.3			33					

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 6.7	+0.1	2 Nov 70	1400	0 b					65 73					Henry, 1970
+ 5.5	-0.2	7 Jun 71	2255	1.5 4.5		24.1 22.9							ebb	Kraeuter, 1975
			2315	9		21.9								
		8 Jun 71	0355	0 4		25.6 25.7							flood	
			0415	8		25.5								
		6 Jul 71	2212	0 m		28.5 28.5							ebb	
			2223	b		28.6								
		7 Jul 71	0312	0 m		28.2 28.3							flood	
			0316	b		28.2								
		19 Jul 71	2051	0 m		30.1 30.2							ebb	
			2127	b		30.2								
		20 Jul 71	0255	0 m		29.7 29.8							flood	
			0325	b		29.8								

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+ 5.5	-0.2	16 Sep 71	0241	0	23.0	26.6							flood	Krauter, 1975	
				m	25.6	26.7									
			0303	b	26.8	26.6									
		1 Oct 71	2050	0	27	26.4								ebb	
				5		26.6									
			2140	10.5		26.6									
2 Oct 71	0258	0	23	25.9								flood			
		m		26.2											
	0323	b		26.2											
+ 9.7	0.0	15 Dec 71	0805	0.5	21.4	16.8				40t	5.2		ebb	Franken- berg, 1972	
				9	21.4	16.8				40t	5.2				
				12	21.4	16.7									
				13						32t	5.0				
+ 7.4	0.0		0810	1	23.2	16.1				30t			ebb		
				3	24.2	16.0				18t	5.6				
				7	25.0	16.0				14t	5.7				
+15.8	0.0		1005	0.5	22.3	18.4				66t	2.7		ebb		
				2	22.4	18.5				66t	3.6				
				4	22.4	18.4				66t	3.5				
+17	0.0		1050	0.5	22.4	18.9				58t	3.2		i, ebb		
				3	22.4	18.9				68t	2.5				

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 9.7	0.0	16 Dec 71	0002	1	21.0	18.0				88t	4.6		low	Franken- berg,1972
				7										
				12	21.0	18.0				88t				
+13.3	0.0		0015	0.5	21.7	18.6				84t	4.1		low	
				3										
				5	21.7	18.6			84t					
+17	0.0		0050	0.5	22.2	19.2				76t	3.3		low	
				1										
				5	22.2	19.2			76t					
+ 7.4	0.0	5 Feb 72	0630	1	13.3	11.0				38t	6.1		e.fld.	
				3	20.3	12.3			38t					
				5	23.7	12.3			32t	5.9				
+ 9.7	0.0		0710	1	12.3	11.2				44t	6.1		e.fld.	
				2	15.9	12.2			44t					
				3	18.7	12.5			44t					
				5	19.6	12.4			40t					
				8	20.2	12.5			33t					
				10	21.0	12.6			31t	5.8				
				12	21.1	12.4			25t					
+13.3	0.0		0745	1	11.6	11.2				48t	6.2		flood	
				2	11.6	11.1			48t					
				4	11.8	11.1			50t	6.3				
+17	0.0		0810	0.5	11.1	9.9				42t	6.3		flood	
				1										
				1.5	11.3	9.8			42t					

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 7.4	0.0	5 Feb 72	1130	0.5	16.6	11.3				72t	6.6		high	Franken- berg, 1972
				2	18.2	11.3			72t					
				3	21.6	11.4			66t	6.2				
				4	25.2	12.0			60t					
				5	27.2	12.2			46t	6.0				
+ 9.7	0.0		1205	1	14.6	11.5				76t	6.4		high	
				2	19.0	11.7			72t					
				3	21.6	12.0			66t					
				4	23.0	12.2			57t					
				5	23.5	12.3				6.0				
				8	23.6	12.3			56t					
+13.3	0.0		1205	1	14.0	12.5				80t	6.4		e. ebb	
				2	15.6	12.1			80t					
				3	16.5	12.2			80t					
				4	17.0	12.3			76t	6.0				
				5	17.4	12.4			76t					
+17	0.0		1255	1	11.5	11.2				76t			e. ebb	
				2	11.3	11.2			80t	6.4				
				3	11.3	11.2			78t					
+ 7.4	0.0		1745	1	16.2	12.1					6.1		l. ebb	
				2	18.6	12.2								
				3	22.4	12.1				6.4				

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 9.7	0.0	5 Feb 72	1802	1	13.6	11.8					6.4		low	Franken- berg, 1972
				2	16.6	12.2								
				3	18.9	12.1								
				4	20.5	12.1								
				5	21.1	12.2			6.0					
				8	23.0	12.0								
+13.3	0.0		1822	1	11.6	11.3					6.7		low	
				2	11.9	11.7								
				3	12.2	11.8								
				4	12.6	12.0			6.5					
+17	0.0		1840	1	11.2	10.8					6.8		e. fld	
				2	11.2	10.9								
+ 7.4	0.0		2240	1	16.8	11.8					6.1		flood	
				2	20.7	11.8								
				3	23.6	11.8								
				4	24.0	11.8			5.9					
				5	24.0	11.8								
+ 9.7	0.0		2305	1	15.9	11.3							1. fld	
				2	16.7	11.3				6.2				
				3	19.0	11.5								
				4	23.0	12.0								
				5	23.2	12.0								
				6					5.4					
				7	23.2	12.0								
				9	23.5	12.2								

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+13.3	0.0	5 Feb 72	2325	1	15.3	11.8					6.3		l. fld.	Franken- berg, 1972
				2	15.8	11.8								
				3	16.2	12.0								
				4	17.0	12.0			5.3					
				5	17.1	12.0								
+17.0	0.0		2350	1	11.8	11.5							high	
				2	11.8	11.5				6.5				
				4	11.8	11.6								
+ 7.4	0.0	15 Mar 72	1500	0	19.6	17.6							low	
				0.5						5.2				
				1	19.6	17.6								
				2	19.6	17.6								
				3	19.6	17.8								
+ 9.7	0.0		1520	0	17.6	18.0							low	
				1	17.6	17.5								
				2	17.4	18.0								
				3	17.8	17.5								
				4	17.8	17.4								
				5	17.5	17.9								
				6	17.6	17.9								
				7	17.7	18.1								
				8	17.7	18.0								
9	17.5	18.0												

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+13.3	0.0	15 Mar 72	1540	0		18.0							low	Franken- berg, 1972
				1	17.5	18.0								
				2	17.5	18.0								
				4	17.5	18.2		5.4						
+17	0.0		1610	0	18.6	18.9							low	
				1	18.6	18.9								
				2	18.5	18.9		5.1						
+ 7.4	0.0		2100	0	22.2	18.3							high	
				1	22.0	18.3								
				2	22.0	18.2								
				4	22.0	18.2		5.5						
				6	22.0	18.2								
+ 9.7	0.0		2130	0	21.0	16.3							high	
				1	21.1	16.3								
				2	21.1	16.2		5.4						
				4	21.1	16.2								
				6	21.1	16.2		5.6						
				8	21.1	16.2								
+13.3	0.0		2200	0	18.6	17.2							high	
				1	18.5	17.0								
				3	18.5	16.9		5.3						
				5	18.5	16.8								
				6	18.5	16.8		5.3						

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+17	0.0	15 Mar 72	2230	0	16.8	17.5								high	Franken- berg, 1972
				1	16.7	17.5				5.2					
				2	16.7	17.5									
				3	16.7	17.6									
				5	16.7	17.6			5.2						
				7	16.7	17.5									
+ 7.4	0.0	16 Mar 72	0500	0	11.4	16.4							low		
				1	11.4	16.6			5.3						
				2	11.4	16.7									
				3	11.2	16.8			4.7						
				4	11.2	16.9									
+ 9.7	0.0		0520	0	17.4	16.6							low		
				1					4.8						
				2	17.2	16.6									
				4	17.2	16.5									
				5	17.2				4.8						
				6	17.2	16.7									
+13.3	0.0		0540	0	17.5	16.8							low		
				2	17.4	16.8			4.9						
				4	17.4	16.8									
+17	0.0		0610	0	17.5	16.8							low		
				1	17.3	16.8									
				2	17.3	16.8			4.4						

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+ 7.4	0.0	16 Mar 72	0900	0	18.9	15.8								high	Franken- berg, 1972
				1	18.9	15.8				5.6					
				2	19.0	15.7									
				3	19.1	15.6									
				4	19.0	15.6									
				5	19.0	15.8			5.5						
				6	19.0	15.7									
+ 9.7	0.0		0920	0	16.7	16.4							high		
				1	16.7	16.3			5.3						
				2	16.7	16.3									
				4	16.6	16.2									
				6	16.6	16.2									
				8	16.6	16.2			5.3						
				9	16.7	16.2									
+13.3	0.0		0940	0	15.5	16.6							high		
				3	15.5	16.6			5.1						
				5	15.5	16.6									
+17	0.0		1010	0	17.7	16.7							high		
				1	17.8	16.8									
				2	17.8	16.8									
				4	17.8	16.8			5.0						

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 7.4	0.0	6 May 72	0800	0	21.9	22.8				60t	4.7		low	Franken- berg, 1972
				1	21.9	23.0			62t					
				2	22.1	23.0			64t					
				3	22.3	23.1			62t	4.6				
				4	23.0	23.0			56t					
+ 9.7	0.0		0825	0	20.9	23.3				62t			low	
				1	20.9	23.1			64t					
				2	21.2	23.1			64t	4.4				
				3	21.2	23.1			64t					
				4	21.5	23.0			64t					
				5	21.5	23.2			62t	4.3				
				6	21.7	23.3			62t					
				7	21.7	23.3			54t					
+13.3	0.0		0855	0	20.1	23.7				58t			low	
				1	20.0	23.7			60t					
				2	20.0	23.7			60t	4.0				
				3	20.2	23.6			60t					
				4	20.2	23.5			60t					
				5	20.0	23.6			60t	3.9				
+17	0.0		0925	0	20.8	23.8				60t	3.8		low	
				1	21.0	23.8			60t					
				2	21.0	23.5			60t	3.6				
				3	21.1	23.5			60t					
				4	21.0	23.6			60t					

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+ 7.4	0.0	6 May 72	1255	0	25.1	23.2				52t				high	Franken- berg, 1972
				1	25.1	23.2			52t	5.4					
				2	25.2	23.2			52t						
				3	25.2	22.7			54t						
				4	25.2	22.7			34t						
				5	27.1	22.2			18t	4.9					
				6	27.4	22.2			8t						
+ 9.7	0.0		1330	0	24.0	23.7				54				high	
				1	24.1	23.5			56						
				2	24.1	23.2			56	5.3					
				3	24.2	23.2			58						
				4	24.4	23.1			54						
				5	24.8	23.0			50	4.9					
				6	24.8	23.0			50						
7	25.0	22.9			42										
+13.3	0.0		1400	0	21.4	24.0				62t				high	
				1	21.7	23.8			62t						
				2	21.7	23.7			62t						
				3	21.6	23.7			64t	4.4					
				4	21.7	23.7			62t						
				5	21.7	23.7			64t						
				6	21.7	23.6			62t						

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+17	0.0	6 May 72	1420	0	20.3	24.4				62t			high	Franken- berg, 1972
				1	20.3	24.4			62t					
				2	20.3	24.2			62t	4.4				
				3	20.3	24.2			64t					
				4	20.3	24.2			64t					
+ 7.4	0.0		1900	0	23.0	23.4				56 t			low	
				1	23.0	23.4			58t					
				2	23.0	23.4			58t					
				3	23.0	23.4			58t					
				4	23.4	23.4			58t	5.1				
+ 9.7	0.0		1915	0	21.3	24.2				52t			low	
				1	21.3	24.2			54t					
				2	21.3	24.2			54t					
				3	21.4	24.0			58t	4.9				
				4	21.5	23.9			58t					
				5	21.8	24.0			58t					
				6	22.0	23.9			60t					
				7	21.8	23.9			61t					
				8	21.8	24.0			60t	4.9				
				9	21.8	23.9			60t					
				10	22.0	23.9			58t					
				11	22.0	23.7			61t					
				12	22.1	23.7			60t					

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+13.3	0.0	6 May 1972	1950	0	20.2	24.8				50t			low	Franken- berg, 1972
				1	20.2	24.8			50t	4.8				
				2	20.2	24.8			50t					
				3	20.2	24.8			52t					
				4	20.2	24.8			52t					
				5	20.2	24.8			50t					
+17	0.0		2010	0	20.4	25.3				46t			low	
				1	20.3	25.3			48t	4.9				
				2	20.3	25.3			48t					
+7.4	0.0	7 May 72	0305	0	26.3	22.5				50t			high	
				1	26.3	22.5			50t					
				2	26.3	22.5			50t	4.9				
				3	27.1	22.5			48t					
				4	27.3	22.5			46t					
				5	27.3	22.5			46t	4.9				
+ 9.7	0.0		0330	0	24.0	22.6				48t			high	
				1	24.1	22.6			52t					
				2	24.1	22.6			54t	4.8				
				3	24.1	22.6			54t					
				4	24.2	22.6			54t					
				5	24.3	22.6			56t					
				6	24.3	22.6			56t					
				7	24.3	22.7			56t	4.9				
				8	24.3	22.6			56t					
				9	24.3	22.6			56t					
10	24.4	22.6			56t									

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+13.3	0.0	7 May 72	0400	0	21.8	23.5				54t			high	Franken- berg, 1972
				1	21.8	23.5			55t					
				2	21.8	23.5			56t					
				3	21.8	23.5			58t	4.7				
				4	21.8	23.4			58t					
				5	21.8	23.4			58t					
				6	21.8	23.4			56t					
+17	0.0		0420	0	20.4	24.1				52t			high	
				1	20.5	24.1			54t					
				2	20.5	24.2			54t	4.4				
				3	20.5	24.2			54t					
+ 7.4	0.0	26 Jun 72	1346	0						61t			low	
				1	21.7	27.1			63t	5.3				
				2	21.7	26.8			64t					
				3	21.8	26.6			64t	4.6				
				4	21.8	26.6			61t					
+ 9.7	0.0		1425	0						61t			low	
				1	21.6	26.9			62t	4.9				
				2	21.7	26.9			62t					
				3	21.8	26.9			64t					
				4	21.8	26.6			63t	4.6				
				5	21.8	26.4			64t					
				6	21.7	26.4			65t					
				7	21.7	26.4			65t	4.2				
				8	21.7	26.4			63t					

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+13.3	0.0	26 Jun 72	1500	0						54t			low	Franken- berg, 1972
				1	21.4	27.0				61t	4.4			
				2	21.5	26.9				61t				
				3	21.5	26.8				63t	3.9			
				4	21.4	26.2				62t				
+17	0.0		1526	0						43t			low	
				1	21.2	28.1				46t	4.7			
				2	21.1	27.9				50t				
+ 7.4	0.0		1930	1	28.3	26.8				61t	4.3		high	
				2	28.7	26.8				56t				
				3	28.8	26.8				50t				
				4	28.9	26.8				35t				
				5	28.7	26.8				18t	4.9			
				6	28.2	26.8				0t				
+ 9.7	0.0		2000	1	25.6	26.6				58t			high	
				2	25.8	26.6				56t				
				3	25.9	26.6				52t				
				4	26.1	26.5				50t				
				5	26.9	26.4				48t	4.0			
				6	27.0	26.4				50t				
				7	27.0	26.4				42t				
				8	27.2	26.3				20t				
				9	27.3	26.3				0t				

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+13.3	0.0	26 Jun 72	2020	1	22.6	27.0				52t			high	Franken- berg, 1972
				2	22.5	27.0			52t					
				3	22.5	27.0			52t					
				4	22.4	27.0			52t	4.3				
				5	22.4	27.0			52t					
				6	22.5	27.0			48t					
				7	22.5	27.0			40t					
+17	0.0		2045	1	21.6	26.7				50t			high	
				2	21.6	26.7			50t					
				3	21.6	26.8			52t	4.3				
				4	21.7	26.9			52t					
				5	21.6	26.9			52t					
+ 7.4	0.0	27 Jun 72	0440	0						43t			low	
				1	22.7	26.5			41t					
				2	22.7	26.6			43t					
				3	23.0	26.6			39t	4.1				
				4	24.2	26.6			27t					
				5	24.4	26.6			24t					
+ 9.7	0.0		0500	1	22.1	26.5				36t			low	
				2	22.2	26.5			35t					
				3	22.2	26.6			35t					
				4	22.2	26.7			35t	3.8				
				5	22.2	26.5			38t					
				6	22.2	26.6			38t					
				7	22.2	26.6			38t					
				8	22.1	26.7			38t					

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+13.3	0.0	27 Jun 72	0525	1	21.7	26.5				39t			low	Franken- berg, 1972
				2	21.7	26.6			39t					
				3	21.7	26.5			40t	3.4				
				4	21.7	26.6			40t					
				5	21.7	26.7			40t					
+17	0.0		0535	1	21.4	26.6				41t			low	
				2	21.4	26.6			42t	3.5				
				3	21.4	26.6			42t					
				4	21.4	26.5			42t					
+ 7.4	0.0		0920	1	26.1	26.5				59t	4.6		high	
				2	26.7	26.4			52t					
				3	27.1	26.4			40t					
				4	27.2	26.3			43t					
				5	27.4	26.4			36t	4.0				
				6	27.3	26.4			32t					
+ 9.7	0.0		0940	1	24.1	26.8				52t	4.3		high	
				2	24.5	26.5			53t					
				3	24.4	26.7			54t					
				4	24.5	26.6			55t	4.3				
				5	24.8	26.7			53t					
				6	24.8	26.5			50t					
				7	24.9	26.6			50t					
				8	25.1	26.3			50t	4.0				
				9					45t					

DUPLIN RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+13.3	0.0	27 Jun 72	1005	1	21.9	26.8				49 t				Franken- berg, 1972
				2	21.9	26.8			50t		high			
				3	21.9	26.8			50t	3.6				
				4	22.0	26.8			50t					
				5	22.1	26.7			50t					
+17	0.0		1030	1	21.2	26.9				46t				high
				2	21.4	26.8			47t	3.0				
				3	21.6	27.0			48t					
				4	21.5	26.9			48t					

STUDY CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+10.0	0.0	13 Apr 68	1145				25						ebb	Henry, 1968
			1200				39		100				ebb	
			1215										ebb	
			1220				23		84				ebb	
			1230				19						ebb	
			1300				23						ebb	
			1315				20						ebb	
			1345										ebb	
			1400				25		96				ebb	
			1425				20						ebb	
			1445										ebb	
			1500				25		48				ebb	
			1515				25						ebb	
			1530										ebb	
			1600										flood	
			1630						34				flood	
			1700						39				flood	
			1730				10						flood	
			1745										flood	
			1800				14		56				flood	

STUDY CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+10.0	0.0	13 Apr 68	1815										flood	Henry, 1968		
			1830			9		76					flood			
			1845			10										flood
			1900			12			159							flood
			1915			11										flood
			1920			18										flood
			1930			12					152					flood
			1945			30										flood
			2000			28					192					flood
			2015													flood
			2020			23										flood
			2030			24					130					flood
			2045			32										flood
			2100			28					80					flood
			2115			28										flood
			2130			9					28					ebb
			2140			10										ebb
			2145			20										ebb
			2200			21										ebb
			2220			41					60					ebb
			2230			46					18					ebb
			2245			54										ebb
			2300			70					64					ebb

STUDY CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+10.0	0.0	13 Apr 68	2315				70						ebb	Henry, 1968		
			2330				60		88				ebb			
			2345				66						ebb			
			2400				73		112				ebb			
		14 Apr 68	0015					68							ebb	
			0030					75		143					ebb	
			0045					73							ebb	
			0100					70		180					ebb	

OLD TEAKETTLE CREEK - CRESCENT RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 9.4	0.0	25 Jul 67	0900	0	20.7				26					Levy, 1968
				5	21.7				40					
				10	23.9				122					
			1000	0	21.5			13				high		
				5	22.5			33						
				10	23.8			56						
			1100	0	22.1			18				ebb		
				5	23.5			22						
				10	24.8			36						
			1200	0	22.7			15				ebb		
				5	22.7			21						
				10	24.6			33						
			1300	0	22.0			15				ebb		
				5	22.3			28						
				10	25.2			50						
			1400	0	21.3			19				ebb		
				5	21.7			29						
				10	23.1			27						
			1500	0	20.3			19				ebb		
				5	21.3			44						
				10	21.5			61						

OLD TEAKETTLE CREEK - CRESCENT RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE			
+ 9.4	0.0	25 Jul 67	1600	0	20.5				21				ebb	Levy, 1968			
				5	20.7			24									
				10	20.8			91									
			1700	0	20.5			25							low		
				5	20.5			16									
				10	20.7			18									
			1800	0	20.7			16								flood	
				5	21.1			21									
				10	21.0			57									
			1900	0	19.3			16								flood	
				5	21.8			42									
				10	21.5			40									
			2000	0	21.5			38								flood	
				5	19.3			48									
				10	21.2			34									
			2100	0	21.5			16								flood	
				5	21.7			35									
				10	22.5			39									
			2200	0	21.9			6								flood	
				5	22.0			10									
				10	24.4			23									

OLD TEAKETTLE CREEK - CRESCENT RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 9.4	0.0	25 Jul 67	0600	0	20.5				18				flood	Levy, 1968
				5	20.5			16						
				10	20.8			24						
			0700	0	20.3			21		flood				
				5	20.8			29						
				10	21.0			289						
			0800	0	18.5			14		flood				
				5	20.8									
				10	21.1			59						

OLD TEAKETTLE CREEK - CRESCENT RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 9.4	0.0	25 Jul 67	2300	0	24.0				12				high	Levy, 1968
				5	22.3			7						
				10	26.0			12						
			2400	0	22.7			8		ebb				
				5	25.6			10						
				10	26.2			12						
		26 Jul 67	0100	0	22.1			12		ebb				
				5	24.8			24						
				10	25.6			14						
			0200	0	21.8			23		ebb				
				5	22.8			32						
				10	24.4			44						
			0300	0	20.9			31		ebb				
				5	21.5			39						
				10	21.9			74						
			0400	0	20.7			49		ebb				
				5	20.7			64						
				10	20.7			68						
0500	0	20.3			20		low							
	5	21.0			38									
	10	20.9			44									

SECTION 7 - ALTAMAHA

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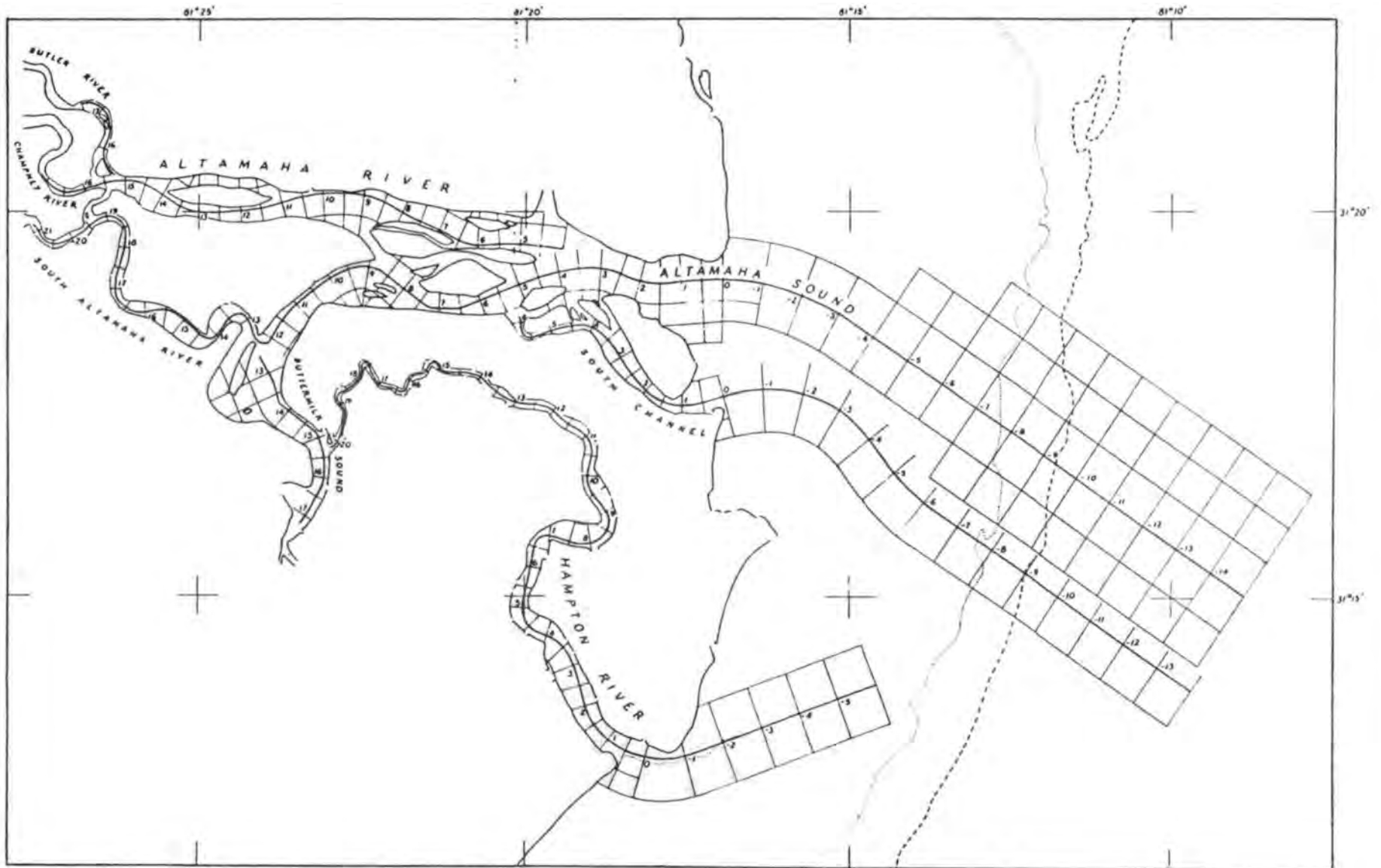


Figure 7. Station Locations, Altamaha Section

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+12.5	0.0	19 Oct 59		0	5.0								high	Neiheisel, 1965
				3.5	5.8									
				7.5	10.7									
				11.6	11.3									
- 6.2	+0.8	3 Apr 68	1528	0	28.9	17.6	51	045						Kuroda & Marland, 1973
				1.5	31.7	17.1	26	045		66t				
				3	31.7	16.2	21	045		70t				
+ 2.8	+0.2		1542	0	2.7	19.3								
				1.5	2.9	19.3								
				3	3.0	19.2								
				6	10.2	18.2								
+ 0.5	+0.2		1600	0	3.6	19.2								
				1.5	8.4	19.2								
				3	9.6	18.7								
				4.5	15.7	17.7								
				6		17.6								
				10.5	16.5	17.7								
- 3.3	+0.4		1615	0	4.8	19.2								
				1.5	15.1	18.0								
				3	20.7	17.6								
				6	21.5	17.6								
				9	21.6	17.4								

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
-13.9	+0.2	4 Apr 68	1130	0	30.9	17.9	31	090		95t	9.2			Kuroda & Marland, 1973
				1.5	31.1	17.7	15	095		86t	9.3			
				3	31.5	17.7	15	315			9.4			
				6	34.0	15.7	15	305			9.4			
				9	32.8	15.6	10	305			9.4			
				10.5	34.0	15.6	10	315		95t	9.3			
- 6.2	+0.8	30 Apr 68	1400	0	31.0	22.1	36	100		85t	8.0			
				1.5	30.9	22.0	31	150		85t	7.8			
				3	31.3	21.9	15	150		84t	7.5			
				4.5	32.1	22.0	5	150		82t	7.6			
-13.9	+0.2		1507	0	32.9	21.7	10	360		94t	7.0			
				1.5	32.8	21.8	10	045		95t	7.0			
				3	32.9	21.4	10			95t	6.9			
				6	33.0	21.1	5	030		94t	6.7			
				9	32.9	21.0	5	360		94t	6.8			
+ 2.8	+0.2	3 May 68	1530	0	8.2	24.0	46				7.9			
				1.5	9.2	23.9	36				7.8			
				3	9.9	24.2	46				7.6			
				6	14.0	23.3	51				6.9			
+ 0.5	+0.2		1630	0	9.2	24.1	61							
				1.5	13.4	23.6	31							
				3	16.3	23.2	15							
				4.5	16.6	23.4	15							

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 0.8	-1.3	3 May 68	1845	0	23.4	24.0	21							Kuroda & Mad and, 1973
				1.5	28.0	24.2	26							
- 1.3	+2.7	16 May 68	1315	0	27.5	24.5	41	135						
				1.5	27.3	24.5	41							
				3	28.3	23.6	51							
- 3.3	+0.4		1420	0	28.0	24.3	31	157						
				1.5	28.1	24.4	31							
				2.5			36							
- 0.8	-1.3		1502	0	16.2	25.4	46	135			6.4			
				1.5	16.3	25.3	31			6.6				
+ 0.5	+0.2		1522	0	14.1	25.2	103	135			5.8			
				1.5	15.3	25.0	82			5.7				
				3	15.6	24.7	62			5.6				
+ 2.8	+0.2		1540	0	8.1	25.6	62	135			5.7			
				1.5	8.7	25.4	62			5.7				
				3	8.7	25.5	51			5.8				
				4.5	9.9	25.2	36			5.5				
- 6.2	+0.8	29 Jul 68	1320	0	34.7	31.0	46	045		92t	6.3			
				1.5	34.8	30.4	15	105		92t	5.8			
				3	35.1	30.1	21	105		91t	5.7			
				4	34.8	30.1	10	130		91t	5.8			

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
-13.9	+0.2	29 Jul 68	1425	0	34.6	30.8	31	075		98t	6.0			Kuroda & Marland, 1973
				1.5	35.1	30.5	21	090		98t	5.9			
				3	35.0	29.7	36	065		98t	5.8			
				6	35.3	29.2	21	045		98t	5.2			
				7.5	35.2	28.2	10	095		98t	5.1			
- 1.3	+2.7	8 Aug 68	1040	0	30.5	31.5	31	135			4.0			
				1.5	30.8	31.1	21				3.8			
- 3.3	+0.4		1130	0	29.9	32.7	41	125			3.6			
				1.5	30.3	31.9	31				3.8			
- 0.8	-0.3		1150	0	26.1	31.6	46	128			3.7			
				1	25.9	31.2	41				3.4			
+ 0.5	+0.2		1300	0	11.6	32.8	93				5.2			
				1.5	11.5	32.4	72				4.6			
				3	11.5	32.3	46				4.3			
+ 2.8	+0.2		1323	0	9.1	32.8	93				6.3			
				1.5	9.4	32.5	51				6.0			
				3	10.1	32.1	21				5.2			
+10.4	-0.1	12 Aug 68	1524	0	10.5	30.7	8		86	68t				Visher, 1974
				4	11.0	30.6	7		98	38t				
				8	12.6	30.4	2		213	14t				
- 6.6	+3.1	13 Aug 68	1045	0	34.9	28.9	31		3.6	100t				
				4.5	35.4	28.8	2		52	100t				
				9	35.1	28.9	3		72	100t				

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
-10.0	+2.5	13 Aug 68	1130	0	34.9	29.0	25		2.4	100t				Visher, 1974	
				6	35.2	28.6	35		40	100t					
				12	35.4	28.6	25		32	100t					
- 9.3	-0.7		1230	0	34.5	24.4	19		3.2	100t					
				4.5	35.5	28.4	20		4.0	100t					
				8.5	35.3	28.4	25		21.6	100t					
- 5.3	-0.8		1315	0	34.0	29.8	19		5.2	99t					
				2	34.5	29.2	25		3.6	98t					
				4.5	34.5	29.1	29		24.4	92t					
- 1.5	0.0	14 Aug 68	0940	0	26.8	29.8	49		20	76t					
				4	29.5	29.5	67		54	74t					
				7.5	29.7	29.8	65		86	74t					
+ 0.4	0.0		1009	0	26.7	29.8	65		34.5	65t					
				3	27.9	29.9	40		152.5	30t					
				6.5	27.9	29.8	35		118.5	30t					
+ 2.5	0.0		1046	0	24.6										
				4	24.9										
				8	24.5										
+ 3.9	+0.1		1109	0	24.8										
				3.5	24.6										
				7.5	25.0										

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+15.8	-0.1	14 Aug 68	1237	0	6.8									Visher, 1974
				3	6.4									
				6.5	6.4									
+ 6.2	-0.1		1331	0	20.6									
				3.5	22.0									
				7	23.9									
- 6.2	+0.8	30 Oct 68	1328	0	32.9	20.4	15	292		96t	8.6			Kuroda & Marland, 1973
				1.5	33.0	20.4	5		96t	8.4				
				3	33.0	20.3	15		96t	8.3				
				6	33.1	20.3	26		95t	8.2				
-13.9	+0.2		1430	0	33.9	21.3	26	292		96t	8.4			
				1.5	34.0	21.1	15		97t	8.3				
				3	34.0	21.0	10		97t	8.1				
				6	33.9	20.9	5		97t	8.1				
				9	33.9	20.9	5		97t	8.4				
12	33.9	20.9	15		96t	8.4								
- 1.3	+2.7	6 Nov 68	1135	0	29.3	20.0	46	112						
				1.5	30.3	19.9	26							
- 3.3	+0.4		1158	0	30.2	20.0	103	90						
				1.5	30.7	20.0	77							
				3	31.0	20.0	57							

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
- 0.8	-0.3	6 Nov 68	1315	0	25.1	19.8	36	157						Kuroda & Marland, 1973	
				1.5	25.2	19.8	26								
+ 0.5	+0.2		1345	0	20.4	19.8	57	090							
				1.5	20.5	19.6	67								
				3	20.5	19.5	57								
				4.5	20.5	19.4	36								
+ 2.8	+0.2		1403	0	14.4	19.4	103	112							
				1.5	15.3	19.3	93								
				3	16.6	19.3	67								
				4.5	17.5	19.3	36								
+ 1.3	+0.2	29 Jan 69	1107	b	18.9	10.5	24	045			84t			Howard, 1969	
			1207	b	18.7	10.5	15	250			82t				
			1307	b	19.0	10.6	29	265			84t				
			1407	b	19.9	10.6	44	255			74t				
			1507	b	21.4	10.7	43	252			76t				
			1610	b	24.7	10.7	37	245			74t				
			1700	b	25.5	10.7	14	250			72t				
			1800	b	26.2	10.8	4	315			80t				
			1907	b	24.7	10.8	27	070			84t				
			1922	b	24.3	10.7	27	070			82t				

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 1.3	+0.2	29 Jan 69	2007	b	22.9	10.7	37	060		77t				Howard, 1969
			2107	b	20.2	10.8	42	062		77t				
			2207	b	18.1	11.0	43	070		78t				
			2307	b	16.7	11.0	20	060		70t				
- 6.2	+0.8	6 Feb 69	1247	0	33.3	10.8	26	080			6.9			Kuroda & Marland, 1973
				1.5	34.2	10.7	26	110			7.0			
				3	34.7	10.6	15	090			6.8			
				6	34.8	10.6	15	090			6.6			
-13.9	+0.2		1333	0	34.4	11.0	36	225			7.4			
				1.5	35.2	10.7	41	050			7.2			
				3	35.3	10.8	31	060			7.2			
				6	35.4	10.8	21	050			7.0			
				9	35.6	10.7	10	060			7.0			
				10.5	35.7	10.7	5	070			6.7			
- 2.3	+0.2	3 Jul 69		0	26.1	30.5	16	105						Visher, 1974
				m	33.4	29.9	14	230						
				b	33.8	29.9	18	225						
- 2.7	+0.1			0	33.2	30.9	12	125						
				m	34.0	29.8	11	115						
				b	33.9	29.7	14	235						
- 2.3	+0.2		1218	0	31.6	30.6	16	090						
				m	33.7	29.8	7	090						
				b	34.0	29.7	7	110						

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 2.3	+0.2	3 Jul 69	1318	b	33.2	29.6								Visher, 1974
			1418	b	25.8	29.8								
- 2.4	-0.1		1532	0	18.7	30.2	30	090						
				m	18.7	30.2	28	090						
				b	18.8	30.2	29	090						
- 2.8	-0.1		1608	0	19.1	30.3	29	105						
				b	19.3	30.3	20	125						
- 2.7	+0.3		1630	b	15.5	30.5								
			1730	b	13.6	30.6								
			1839	b	13.5	30.4								
			1930	b	13.4	30.1								
- 2.5	-0.2			0	29.0	30.1	26	265						
				m	28.7	30.2	18	260						
				b	28.6	30.1	20	260						
+ 0.6	+0.3	9 Jul 69		0	11.8	30.4	36	080						
				m	16.6	30.3	2	180						
				b	17.7	30.3	4	035						
+ 1.0	+0.3			0	11.9	30.5	20	060						
				b	12.7	30.4	2	115						

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 0.6	0.0	9 Jul 69		b	14.1	30.2	1	235						Visher, 1974
			1035	b	14.6	30.3								
			1135	b	14.0	30.3	26	220						
			1245	b	17.4	30.5	38	240						
			1300	b	20.8	30.4	29	235						
+ 1.0	-0.2			0	25.3	30.2	12	270						
				m	25.4	30.1	48	250						
				b	27.9	29.9	45	250						
+ 0.3	+0.2			0	30.3	30.0	15	235						
				m	30.5	29.9	33	230						
				b	30.9	29.9	31	255						
+ 0.3	-0.3			0	30.2	30.1	12	285						
				b	30.9	29.9	27	295						
			1520	b	31.5	29.9								
			1620	b	31.9	30.0	16	270						
+ 6.4	+0.2	11 Jul 69		0	6.0	30.8	39	075						
				m	6.1	30.9	37	045						
				b	6.1	31.1	37	045						
+ 6.6	+0.1			0	6.0	30.8	29	050						
				m	6.0	30.8	31	050						
				b	6.0	30.8	16	045						
+ 6.8	0.0			0	5.8	30.9	55	085						
				m	6.7	30.9	55	060						
				b	6.8	31.1	40	065						

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 6.8	0.0	11 Jul 69	1210	b	5.8	30.9	20							Visher, 1974
+ 7.4	+0.1			0	3.6	31.4	14	325						
				m	5.2	31.2	24	260						
				b	5.4	31.6	27	230						
+ 6.8	+0.3			0	5.4	31.3	4	265						
+ 6.1	0.0		1350	b	5.6	31.2	40	200						
			1450	b	6.4	31.2	49	245						
			1515	b	8.3	31.1	50	230						
			1600	b	13.1	31.5	41	255						
			1630	b	15.1	31.4	41	250						
+ 6.5	0.0			0	17.6	31.7	47	240						
				m	18.4	31.8	33	215						
				b	19.5	31.9	14	135						
+20.0	0.0	9 Sep 69	1045	0	0.0t	27.0					4.2	6.2		EPD, 1972
		7 Oct 69	0920	0	0.0t	23.2					5.1	6.5		
		18 Nov 69	1015	0	0.0t	14.2						7.5		
		9 Dec 69	1100	0	2.2t	11.3					8.8	7.2		
		13 Jan 70	1010	0	0.0t	4.0					12.1	6.4		

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 0.3	+0.2	22 Jan 70	1200	0	11.6	4.9	125		20.2				ebb	Visher, 1974
				1	15.0	4.9	110							
				2	15.7	5.0	90							
				2.5	16.9	4.9	90	66						
				3	17.7	4.8	80							
				3.5	19.3	4.6	70							
				4.5	19.3	4.5	60	44.5						
+ 0.3	+0.1		1300	0	11.3	4.8	90		33				ebb	
				1	11.7	5.9	80							
				2	12.2	6.3	70							
				2.5	12.3	6.4	60	37.7						
				3	12.9	6.3	50							
				3.5	13.5	6.3	50							
				4.5	13.6	6.2	40							
5	15.0	6.2	25	52.3										
+ 0.3	-0.1		1315	0	11.3	6.1	70		41.2				ebb	
				1	11.3	6.1	65							
				2	11.4	6.0	65							
				2.5	11.6	6.1	50	61.3						
				3	11.9	6.1	45							
				3.5	15.3	5.9	25							
				4.5	16.0	6.0	20	61.5						

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 0.3	-0.3	22 Jan 70	1325	0	9.0	6.1	110		14.1				ebb	Visher, 1974
				1	9.1	6.1	85							
				2	10.4	5.9	65	60.9						
				2.5	11.3	6.0	60							
				3	11.4	6.0	50							
				3.5	11.6	6.0	40	72.2						
+ 0.6	+0.3		1335	0	8.7	6.0	85						ebb	
				1	9.5	6.0	75							
				2	9.8	6.0	70							
				2.5	10.3	6.1	60							
				3	11.0	6.1	50							
				3.5	11.5	6.1	45							
+ 0.6	+0.1		1345	0	8.9	6.1	65						ebb	
				1	8.9	6.2	70							
				2	9.3	6.2	50							
				2.5	9.7	6.1	40							
				3	10.1	6.0	35							
				3.5	10.6	6.1	30							
				4.5	11.9	6.1	25							
				5	12.5	6.0	10							
5.5	14.1	6.0	10											
+ 0.6	-0.1		1355	0	8.8	6.0	20						ebb	
				1	8.3	6.1	60							
				2	8.6	6.1	55							
				2.5	9.0	6.2	40							

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+1.0	0.0	22 Jan 70	1435	3	7.8	6.2	15						ebb	Visher, 1974
				3.5	9.0	6.1	10							
				4	9.8	6.2	5							
+1.0	-0.2		1445	0	4.5	6.4	40						ebb	
				1	4.1	6.5	35							
				2	6.0	6.3	25							
				2.5	7.2	6.2	15							
				3	9.0	6.2	5							
				3.5	9.6	6.1	0							
				4.5	9.4	6.1	0							
5	9.7	6.1	0											
-2.8	+0.3	23 Jan 70	1040	0	26.3	3.5	50		12				ebb	
				1	26.2	3.6	45							
				2	26.3	3.5	40							
				2.5	27.2	3.6	30	14						
				3	28.5	3.7	25							
				3.5	29.2	3.8	20							
				4.5	29.2	3.8	25							
4.5	29.3	3.8	20	29										
-2.8	+0.2		1055	0	25.5	3.5	70		11				ebb	
				1	24.9	3.5	60							
				2	24.8	3.5	60							
				2.5	25.6	3.5	45							
				3	27.7	3.6	30	15						
				3.5	28.9	3.7	25							
				4.5	29.2	3.7	25							
				5	29.5	3.8	20							
				5.5	29.5	3.7	20							
6	29.5	3.7	15	33										

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE				
-2.9	0.0	23 Jan 70	1110	0	23.0	3.4	80		19				ebb	Visher, 1974				
				1	22.9	3.4	80											
				2	23.8	3.4	70											
				2.5	26.3	3.4	50											
				3	28.9	3.4	40											
				3.5	29.2	3.4	45	20										
				4.5	29.2	3.4	35											
				5	29.2	3.4	35											
				5.5	29.3	3.4	30											
				6	29.3	3.4	30											
			6.5	29.3	3.4	20		38										
-2.9	-0.1		1120	0	22.4	3.0	90		14				ebb					
				1	22.7	3.0	80											
				2	25.5	3.0	70											
				2.5	28.3	3.0	60	27										
				3	28.5	3.2	55											
				3.5	28.9	3.3	50											
				4.5	28.9	3.3	45											
				5	29.0	3.3	35											
							5	29.0	3.3	35		36						
				-2.3	+0.2		1135	0	16.9	3.1	135							
1	17.8	3.1	130															
2	20.2	3.8	110															
2.5	25.7	4.0	75															
3	27.3	4.0	70															
3.5	28.2	4.0	60															
4.5	28.2	3.8	50															
5	28.7	3.8	45															

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 2.3	+0.2	23 Jan 70	1135	5.5	28.8	2.2	40						ebb	Visher, 1974
				6	28.4	2.5	40							
- 2.3	+0.1		1145	0	14.7	2.6	120						ebb	
				1	15.7	2.6	105							
				2	17.2	1.4	120							
				2.5	22.3	1.4	105							
				3	22.4	2.8	105							
				3.5	23.9	3.0	90							
				4.5	26.5	4.5	80							
				5	28.3	4.5	55							
				5.5	28.5	4.4	50							
			6	28.5	4.4	55								
- 2.4	-0.1		1210	0	16.3	1.6	160						ebb	
				1	16.3	1.6	150							
				2	16.9	2.5	135							
				2.5	18.2	2.5	130							
				3	20.7	3.5	120							
				3.5	21.1	3.5	110							
				4.5	21.3	3.5	100							
				5	24.6	3.5	80							
				5.5	25.4	3.2	70							
			6	26.9	3.2	60								
- 2.4	-0.2		1225	0	17.0	4.0	150						ebb	
				1	17.2	4.2	140							
				2	17.2	4.3	135							
				2.5	17.4	4.4	120							
				3	19.1	4.4	105							
				3.5	22.2	4.4	95							

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 2.4	-0.2	23 Jan 70	1225	4.5	22.7	4.4	95						ebb	Visher, 1974
				5	23.9	4.4	95							
				5.5	24.2	4.4	95							
				6	23.9	4.4	95							
- 1.9	+0.2		1240	0	14.3	4.3	125						ebb	
				1	14.3	4.3	105							
				2	14.4	4.3	100							
				2.5	14.7	4.4	90							
				3	14.9	4.4	70							
				3.5	18.3	4.4	40							
- 1.9	0.0		1255	0	12.0	4.5	160						ebb	
				1	12.2	4.5	145							
				2	12.4	4.5	140							
				2.5	12.1	4.5	135							
				3	13.3	4.3	110							
				3.5	15.1	4.3	105							
				4.5	15.6	4.4	100							
				5	16.1	4.3	100							
				5.5	16.4	4.4	95							
				6	16.4	4.4	85							
- 2.0	-0.1		1310	0	12.1	4.4	145						ebb	
				1	12.1	4.4	140							
				2	12.4	4.5	130							
				2.5	12.9	4.5	120							
				3	13.8	4.5	100							
				3.5	13.8	4.4	100							

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 2.0	-0.1	23 Jan 70	1310	4.5	15.2	4.4	95						ebb	Visher, 1974
				5	17.0	4.5	90							
				5.6	17.8	4.4	80							
				6	19.0	4.4	65							
- 2.0	-0.3		1325	0	12.6	4.5	130						ebb	
				1	12.8	4.5	110							
				2	13.6	4.5	100							
				2.5	14.2	5.5	90							
				3	14.5	5.5	80							
				3.5	14.7	5.4	75							
				4.5	14.7	5.5	50							
5	14.6	5.5												
- 1.9	+0.2	26 Jan 70	1805	0	2.6	3.0	10						flood	
				1	3.0	2.8	10							
				2	3.2	2.7	25							
				2.5	3.7	1.5	20							
				3	3.1	2.0	10							
				3.5	7.0	2.0	20							
- 1.9	0.0		1820	0	2.9	3.6	30						flood	
				1	3.1	3.7	45							
				2	3.9	4.5	45							
				2.5	4.9	4.4	55							
				3	6.6	4.4	75							
				3.5	8.2	4.9	70							

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 1.9	0.0	26 Jan 70	1820	4.5	9.5	4.2	65						flood	Visher, 1974
				5	12.4	4.1	55							
				5.5	13.6	3.9	35							
				6	14.1	4.3	30							
- 2.0	-0.1		1830	0	2.5	5.7	50						flood	
				1	3.2	5.8	45							
				2	4.2	5.5	70							
				2.2	5.3	6.6	70							
				3	5.6	7.3	60							
				3.5	5.9	7.4	80							
				4.5	10.7	7.7	65							
				5	12.2	7.5	45							
5.5	12.7	7.2	30											
- 2.0	-0.3		1845	0	3.3	6.7	65						flood	
				1	4.0	6.8	65							
				2	4.6	7.3	65							
				2.5	5.5	7.3	50							
				3	5.7	7.7	45							
- 2.4	-0.2		1900	0	5.6	8.2	100						flood	
				1	6.1	8.1	90							
				2	6.6	8.1	85							
				2.5	7.2	8.2	80							
				3	7.5	8.1	60							
3.5	7.4	8.1	70											
- 2.9	-0.1		1915	0	10.1	8.2	70		83				flood	
				1	10.3	8.2	65							
				2	10.7	8.1	90		89					

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 2.9	-0.1	26 Jan 70	1915	2.5	24.2	8.1	85						flood	Visher, 1974
				3	25.8	8.2	80							
				3.5	26.0	8.2	60							
				4	26.1	8.2	55	59						
- 2.9	0.0	1930		0	11.4	8.3	85		27				flood	
				1	12.0	8.4	90							
				2	12.4	8.1	105							
				2.5	19.8	8.2	105							
				3	24.1	7.9	105							
				3.5	25.3	8.0	100	34						
				4.5	25.8	7.9	95							
				5	26.0	7.9	95							
				5.5	26.2	7.8	80							
				6	26.3	7.8	85							
6.5	26.4	7.8	80	46										
- 2.8	+0.2	1945		0	13.8	8.5	90		19				flood	
				1	15.5	8.6	90							
				2	19.1	8.5	95							
				2.5	20.2	8.5	105							
				3	25.2	8.5	105							
				3.5	26.3	8.1	110	19						
				4.5	26.9	8.1	110							
				5	27.1	8.1	105							
				5.5	27.2	8.0	100							
				6	27.7	8.1	85							
6.5	27.8	7.9	85	18										

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 2.8	+0.3	26 Jan 70	2000	0	24.8	8.0	60		43				flood	Visher, 1974
				1	24.9	8.0	70		13					
				2	25.6	7.9	75		9					
				2.5	26.6	8.0	80							
				3	27.2	8.0	85							
				3.5	27.6	7.9	85							
				4.5	27.9	7.8	80							
				5	27.9	7.8	75							
				5	28.0	7.8	55							
- 2.3	+0.2		2015	0	21.6	8.7	80						flood	
				1	23.3	8.5	70							
				2	24.3	8.2	65							
				2.5	24.3	8.0	60							
				3	24.4	8.0	60							
				3.5	25.3	7.9	65							
				4.5	26.0	7.9	75							
				5	26.6	7.8	80							
				5.5	26.9	7.8	75							
- 2.3	+0.1		2025	0	22.3	8.6	90						flood	
				1	26.1	8.6	85							
				2	27.5	8.1	90							
				2.5	28.3	8.0	80							
				3	28.4	8.0	70							
				3.5	28.4	7.9	70							
4.5	28.5	7.9	70											

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 2.3	+0.1	26 Jan 70	2025	5	28.5	7.9	70						flood	Visher, 1974
				5.5	28.5	7.9	65							
				6	28.5	7.9	50							
				6.5	28.5	7.9	45							
- 2.4	-0.1		2035	0	22.0	8.9	55						flood	
				1	23.6	8.8	65							
				2	25.6	8.4	65							
				2.5	28.6	8.1	55							
				3	28.7	8.0	45							
				3.5	28.7	8.0	45							
+ 0.3	+0.2	28 Jan 70	0718	0	4.1	8.0	5		12				flood	
				1	4.7	8.0	25							
				2	5.4	8.0	40							
				2.5	9.8	8.0	65							
				3	15.5	8.0	90	23						
				3.5	17.8	8.0	80							
				4.5	21.8	7.8	55							
				5	22.7	7.8	45							
				5.5	22.7	7.8	40	51						
+ 0.3	+0.1		0730	0	4.4	7.9	20		43				flood	
				1	4.5	7.9	25							
				2	5.3	7.9	35							
				2.5	6.2	7.9	50	15						
				3	9.3	7.9	80							
				3.5	17.0	7.8	50							
				4.5	23.7	7.8	35							
				5	24.2	7.8	25	127						

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 0.3	-0.1	28 Jan 70	0745	0	4.8	7.9	30		10				flood	Visher, 1974
				1	4.9	7.9	40							
				2	6.1	7.9	50	36						
				2.5	6.7	7.9	50							
				3	8.9	7.9	40							
				3.5	10.8	7.9	35	67						
+ 0.3	-0.3		0755	0	4.0	7.6	35		19				flood	
				1	4.5	7.6	35	84						
				2	6.7	7.3	25							
				2.5	7.8	7.3	15	319						
+ 0.6	+0.3		0805	0	3.4	7.2	65						flood	
				1	4.8	7.3	75							
				2	7.5	7.3	100							
				2.5	12.5	7.3	80							
				3	15.5	7.1	70							
				3.5	16.5	7.1	55							
+ 0.6	+0.1		0815	0	4.1	6.4	60						flood	
				1	5.8	6.4	70							
				2	6.2	6.6	80							
				2.5	7.2	6.6	100							
				3	11.9	6.2	105							
				3.5	15.5	6.2	100							
				4.5	16.7	6.2	75							
				5	21.3	6.3	60							
				5.5	21.9	6.3	50							
				6	22.6	6.6	40							

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 0.6	-0.1	28 Jan 70	0825	0	4.3	6.2	60						flood	Visher, 1974
				1	4.6	6.2	65							
				2	5.0	6.6	60							
				2.5	7.0	6.6	50							
				3	10.4	6.2	40							
				3.5	18.6	6.3	40							
				4.5	20.6	6.3	30							
				5	21.6	6.3	20							
+0.6	-0.2		0835	0	3.4	7.0	45						flood	
				1	4.5	7.1	45							
				2	4.9	7.2	50							
				2.5	5.3	7.2	50							
				3	10.1	7.2	40							
+ 1.0	+0.3		0845	0	4.4	7.6	85						flood	
				1	5.2	7.7	90							
				2	6.6	7.7	95							
				2.5	11.3	7.5	85							
				3	15.9	7.5	60							
				3.5	18.5	7.5	40							
				4.5	20.6	7.5	30							
				4.5	20.6	7.5	30							
+ 1.0	+0.2		0855	0	5.3	7.6	90						flood	
				1	6.9	7.6	85							
				2	10.0	7.5	95							
				2.5	12.1	7.5	90							
				3	13.1	7.4	80							
				3.5	17.5	7.4	70							

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 1.0	+0.2	28 Jan 70	0855	4.5	18.0	7.4	65						flood	Visher, 1974
				5	18.6	7.4	50							
				5.5	19.0	7.4	50							
				6	19.2	7.4	45							
+ 1.0	0.0		0905	0	4.2	7.7	70						flood	
				1	7.4	7.7	60							
				2	8.8	7.6	60							
				2.5	16.5	7.6	60							
				3	18.1	7.5	50							
				3.5	20.0	7.5	45							
				4.5	20.2	7.5	45							
				5	20.3	7.5	40							
5.5	20.5	7.5	35											
6	20.5	7.5	30											
+ 1.0	-0.2		0915	0	4.8	7.8	30						flood	
				1	5.3	7.8	50							
				2	7.5	7.8	60							
				2.5	18.3	7.8	40							
				3	20.4	7.6	40							
				3.5	20.8	7.6	40							
				4.5	21.0	7.6	25							
5	21.0	7.6	20											
+20.0	0.0	10 Feb 70	1043	0	0.0t	9.0			13		9.8	6.4		EPD, 1972
		10 Mar 70	1035	0	0.0t	15.3			16		7.6	6.5		

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+20.0	0.0	7 Apr 70	0950	0	0.0t	16.5			15		6.4	6.6		EPD, 1972
		12 May 70	0855	0	0.0t	23.7			2		5.8	6.8		
		16 Jun 70	0845	0	0.0t	26.4			26		5.9	7.8		
		14 Jul 70	0850	0	0.1t	28.6t					4.6	7.3		
		11 Aug 70	0945	0	0.0t	27.6t			12		5.4	7.3		
		29 Sep 70	0907	0	0.6t	25.8			30		5.4	7.4		
+ 2.8	+0.3	7 Oct 70	0634	0	16.6	23.5	21	095	21				low	Howard, 1971
				2	16.8	23.5	23	110	21					
				5	18.9	23.3	23	130	34					
+ 3.5	0.0		0700	0	16.4	23.5	8	045	23				low	
				2	16.8	23.5	21	245	27					
				3	19.4	23.3	5	260	90					
+ 5.3	-0.5		0732	0	25.0	23.4	31	305	22				flood	
				3	26.4	23.3	33	305	45					
				6	26.9	23.2	28	305	69					
+ 2.8	+0.3		0935	0	24.5	23.8	57	300	44				flood	
				2.5	24.6	23.8	51	295	50					
				6	24.8	23.7	51	295	55					
+ 3.5	0.0		0952	0	25.6	23.5	62	280	43				flood	
				2	25.9	23.5	57	280	59					
				4	26.0	23.5	41	285	43					

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 5.3	-0.5	7 Oct 70	1020	0	27.7	23.6	62	320	114				flood	Howard, 1971
				3.5	28.4	23.5	41	320	102					
				7	28.6	23.4	31	305	497					
+ 2.8	+0.3		1320	0	30.6	24.1	39	285	383				flood	
				3.5	31.3	24.0	23	285	83					
				6.5		24.0	18	295	98					
+ 3.5	0.0		1330	0	30.4	24.1	28	300	79				flood	
				2.5	30.5	24.1	26	280	64					
				5	30.8	24.0	10	290	138					
+ 5.3	-0.5		1346	0	30.7	24.0	15	320	104				flood	
				4	31.8	23.9	3	340	141					
				8	31.7	23.9	3	150	207					
+ 3.5	0.0		1403	0	29.9	24.1	5	350	58				high	
				2.5	30.5	24.1	5	250	53					
				5	30.8	24.1	3	110	65					
+ 2.8	+0.3		1414	0	30.8	24.2	13	325	43				high	
				3.5	30.9	24.1	3	265	53					
				6.5	31.2	24.0	18	150	60					
+ 5.3	-0.5		1557	0	29.8	23.9	77	165	84				ebb	
				3.5	29.7	23.9	77	145	98					
				7	29.8	23.8	62	140	176					

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 3.5	0.0	7 Oct 70	1617	0	27.9	24.0	87	95	57				ebb	Howard, 1971
				2	27.9	23.8	72	100	57					
				4	28.2	23.9	46	105	103					
+ 2.8	+0.3		1630	0	25.7	24.0	108	130	38				ebb	
				2.5	27.1	23.9	98	120	105					
				6	27.5	23.9	46	110	296					
+20.0	0.0	27 Oct 70	0950	0	0.6t	21.3			34		6.1	7.4		EPD, 1972
		17 Nov 70	0955	0	0.1t	14.5			15		7.3	7.3		
+ 2.8	+0.3	20 Nov 70	0600	0	9.2	14.5			22					Howard, 1971
				m	9.5	14.5			22					
				b	12.5	14.8			22					
+ 3.5	0.0		0600	0	7.7	14.4			14					
				m	8.6	14.5			18					
				b	12.2	14.6			26					
+ 5.3	-0.5		0600	0	6.3	14.6			64					
				m	6.3	14.5			76					
				b	7.1	14.6			84					
			0645	0			30						ebb	
				2.5			30							
				4.5			9							
+ 2.8	+0.3		0700	0	7.3	14.3			16					
				m	9.0	14.5			16					
				b	12.1	14.7			14					

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 3.5	0.0	20 Nov 70	0700	0	6.5	14.4	30		16				ebb	Howard, 1971
				2.5	7.8	14.4	30	38						
				5	11.7	14.7	12	40						
+ 5.3	-0.5		0700	0	5.9	14.3			42					
				m	6.2	14.4		650						
				b	6.5	14.5		64						
+ 2.8	+0.3		0705	0			30						ebb	
				2.5			24							
				4.5			12							
+ 5.3	-0.5		0745	0			18						ebb	
				2.5			12							
				4.5			6							
+ 3.5	0.0		0755	0			18						ebb	
				2.5			12							
				4.5			6							
+ 2.8	+0.3		0800	0	5.5	14.2			20					
				m	7.8	14.4		18						
				b	12.5	14.8								
+ 3.5	0.0		0800	0	5.9	14.4			14					
				m	7.5	14.5		18						
				b	11.5	14.7		28						

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+ 5.3	-0.5	20 Nov 70	0800	0	4.0	14.4			18					Howard, 1971		
				m	6.2	14.5			28							
				b	7.3	14.5			42							
			0825	0				9							ebb	
				2				9							ebb	
				4.5				15							flood	
			0900	0	5.6	14.6			34							
				m	6.3	14.6			18							
				b	8.1	14.8			72							
+ 3.5	0.0	0900	0	7.1	14.7											
			m	10.0	14.8											
			b	15.4	15.2			96								
+ 2.8	+0.3	0900	0	6.7	14.6				18							
			m	12.1	14.9											
			b	18.6	15.5			64								
+ 5.3	-0.5	0910	0				21						flood			
			2				27									
			4.5				12									
+ 3.5	0.0	0925	0				24						flood			
			2				40									
			4.5				21									

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.8	+0.3	20 Nov 70	0935	0			24						flood	Howard, 1971
				2.5			30							
				5			21							
			1000	0	10.0	14.9			16					
				m	13.6	15.0			16					
				b	21.1	15.8			18					
+ 3.5	0.0		1000	0	8.2	15.1			16					
				m	16.8	15.2			44					
				b	17.3	15.3			66					
+ 5.3	-0.5		1000	0	7.2	14.9			20					
				m	9.7	14.7			114					
				b	11.0	14.9			172					
+ 2.8	+0.3		1005	0										
				2.5										
				5										
+ 3.5	0.0		1015	0			58						flood	
				2.5			52							
				5			46							
+ 5.3	-0.5		1040	0			49						flood	
				2.5			37							
				5			34							

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.8	+0.3	20 Nov 70	1100	0	12.0	15.4			26					Howard, 1971
				m	21.1	15.9			64					
				b	22.3	16.1			196					
+ 3.5	0.0		1100	0	11.8	15.4			22					
				m	20.3	15.8			42					
				b	20.8	15.9			48					
+ 5.3	-0.5		1100	0	10.5	15.3			28					
				m	13.7	15.1								
				b	13.8	15.2			92					
			1135	0			40						flood	
				3.5			30							
				6			18							
+ 3.5	0.0		1150	0			67						flood	
				3			55							
				6			37							
+ 2.8	+0.3		1200	0	16.8	16.3			38					
				3	22.3	16.3			126					
				6	22.8	16.3			130					
+ 3.5	0.0		1200	0	19.7	16.3	61		22				flood	
				m	22.1	16.0	30		88					
				b	22.6	16.1	15		68					
+ 5.3	-0.5		1200	0	14.1	15.7			14					
				m	18.5	15.6			196					
				b	18.7	15.6			60					

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+5.3	-0.5	20 Nov 70	1255	0			27						flood	Howard, 1971
				3			21							
				5.5			15							
+ 2.8	+0.3		1300	0	21.9	17.1			50					
				m	24.2	16.6			60					
				b	24.4	16.5			124					
+ 3.5	0.0		1300	0	23.5	16.5			120					
				m	23.6	16.5			54					
				b	23.5	16.5			40					
+ 5.3	-0.5		1300	0	20.5	15.7								
				m	20.7	15.8			36					
				b	21.1	16.0								
			1335	0			21						flood	
				m			18							
				b			9							
+ 3.5	0.0		1340	0			24						flood	
				m			24							
				b			12							
+ 2.8	+0.3		1345	0			18						flood	
				m			15							
				b			9							
			1400	0	22.1	16.6			28					
				m	23.4	16.4			44					
				b	25.8	16.7			58					

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 3.5	0.0	20 Nov 70	1400	0	23.2	16.6			26					Howard, 1971
				m	23.3	16.7			32					
				b	24.0	16.7			44					
+ 5.3	-0.5		1400	0	19.7	16.3			8					
				m	20.4	16.1			16					
				b	21.7	16.1			46					
			1420	0			30						ebb	
		m				18								
		b				9								
			1450	0			61						ebb	
		m				30								
		b				8								
			1500	0	13.5	16.3			14					
		m			20.0	16.0			22					
		b			20.9	16.1								
+ 3.5	0.0		1500	0	15.6	16.6	58		28				ebb	
				m	20.3	16.6	37		24					
				b	22.7	16.5	21		56					
+ 2.8	+0.3		1500	0	15.9	16.4			24					
				m	20.4	16.2			32					
				b	22.1	16.3			70					
			1510	0			69						ebb	
		m				67								
		b				27								

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 5.3	-0.5	20 Nov 70	1555	0			107						ebb	Howard, 1971
				m			52							
				b			15							
			1600	0	9.6	15.8			36					
				m	17.1	15.6		12						
				b	19.3	15.9		44						
+ 3.5	0.0		1600	0	13.8	16.0			32					
				m	15.5	16.0		60						
				b	20.4	16.3		36						
+2.8	+0.3		1600	0	14.6	16.1			24					
				m	14.9	16.1		28						
				b	22.3	15.7		246						
+ 3.5	0.0		1605	0			67						ebb	
				m			64							
				b			15							
+ 2.8	+0.3		1615	0			61						ebb	
				m			58							
				b			40							
+ 5.3	-0.5		1700	0	6.6	15.4	104		48				ebb	
				m	13.2	15.6	49	104						
				b	16.2	15.7	18	68						

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 3.5	0.0	20 Nov 70	1700	0	10.7	15.8			40					Howard, 1971
				m	11.0	15.7			40					
				b	17.2	15.8			80					
+ 2.8	+0.3		1700	0	13.1	15.8			28					
				m	13.2	15.8			64					
				b	18.8	15.7			148					
+ 3.5	0.0		1710	0			70						ebb	
				m			61							
				b			12							
+ 2.8	+0.3		1715	0			55					ebb		
+ 5.3	-0.5		1730	0			98						ebb	
				2			58							
				4.5			12							
+ 3.5	0.0		1745	0			61						ebb	
				2			49							
				4.5			21							
			1750	0			46						ebb	
				2.5			43							
				5			30							
+20.0	0.0	15 Dec 70	1000	0	1.2t				60	8.6	7.4		EPD, 1972	

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE			
+20.0	0.0	19 Jan 71	1023	0	0.0t	10.0			13		8.7	6.6		EPD, 1972			
		23 Feb 71	0953	0	0.0t	13.0			6		8.4	6.8					
		23 Mar 71	1022	0	0.0t	14.5			13		7.9	6.7					
		13 Apr 71	1009	0	0.0t	16.6			15		7.7	6.8					
		18 May 71	0858	0	0.0t	22.2			11		6.2	6.9					
		22 Jun 71	1019	0	0.1t	28.0			24		5.8	7.1					
		20 Jul 71	0850	0	0.0t	29.5			19		5.0	6.8					
		24 Aug 71	0925	0	0.0t	27.0			9		4.4	6.6					
		21 Sep 71	0900	0	0.1t	27.0			23		5.4	7.0					
		27 Oct 71	0940	0	0.0t	22.6			10		6.2	7.1					
		30 Nov 71	1020	0	0.1t	14.5			60		8.3	7.3					
		11 Jan 72		0	0.0t	15.0			8		7.9	6.8			EPD, 1973a		
		15 Feb 72		0	0.0t	9.6			11		9.7	6.5					
		14 Mar 72		0	0.0t	15.8			12		8.5	7.2					
		11 Apr 72		0	0.0t	17.5			6		7.3	7.3					
		16 May 72		0	0.1t	23.9			23		6.9	7.3					
		+22.2	0.0	18 May 72	1400	0	0.0	25.6					7.2		7.4		Windom, 1973
		+21.1	0.0		1410	0	0.0	25.8					7.5		7.5		
		+19.8	0.0		1420	0	0.2	25.5					7.9		7.5		
+18.1	0.0		1435	0	0.8	25.1					7.5	7.6					
+16.4	0.0		1450	0	2.9	25.4					7.2	7.7					

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+13.7	+0.2	18 May 72	1510	0	3.5	25.3					6.5	7.7		Windom, 1973
+10.4	-0.2		1520	0	4.4	25.4					6.6	7.7		
+ 7.3	+0.2		1530	0	7.2	25.2					6.3	7.8		
+ 4.7	0.0		1550	0	11.0	24.9					6.2	7.9		
+ 2.0	+0.1		1615	0	11.0	25.0					7.0	8.0		
+20.0	0.0	13 Jun 72		0	0.2t	25.6			27		6.1	7.0		EP D, 1973a
		11 Jul 72		0	0.1t	26.5			27		5.8	7.0		
+ 2.0	+0.1	28 Jul 72	0830	0	18	28					5.8	7.8		Windom, 1973
+ 4.7	0.0		0845	0	18	28					5.7	7.8		
+ 7.3	+0.2		0905	0	12	28					5.4	7.8		
+10.4	-0.2		0920	0	6	28					5.5	7.7		
+13.7	+0.2		0935	0	3	28					5.9	7.7		
+16.4	0.0		0950	0	3	28					6.0	7.5		
+18.1	0.0		1005	0	2	28					6.2	7.4		
+19.8	0.0		1020	0	0	28					6.5	7.2		
+21.1	0.0		1035	0	0	28					6.5	7.2		
+22.2	0.0		1100	0	0	28					6.5	7.0		
+20.0	0.0	15 Aug 72		0	0.0t	30.0			5		7.1	7.4		EPD, 1973a
		19 Sep 72		0	0.1t	29.9			36		5.7	7.2		
+22.2	0.0	21 Sep 72	0935	0	0	29.0					5.7	7.3		Windom, 1973
+21.1	0.0		0945	0	0	28.8					5.8	7.3		
+19.8	0.0		0955	0	0	28.5					5.7	7.2		
+18.1	0.0		1005	0	0	28.0					5.8	7.3		
+16.4	0.0		1010	0	5	28.0					6.0	7.4		

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+13.7	+0.2	21 Sep 72	1025	0	10	28.0					5.9	7.5		Windom, 1973
+10.4	-0.2		1035	0	12	28.0					5.8	7.5		
+ 7.3	+0.2		1045	0	12	28.0					5.7	7.5		
+ 4.7	0.0		1100	0	17	28.0					5.6	7.7		
+ 2.0	+0.1		1105	0	22	27.9					5.8	7.9		
+20.0	0.0	30 Oct 72		0	0.6t	21.5			27		6.4	6.7		EPD, 1973a
+ 2.0	+0.1	31 Oct 72	1505	0	30	22.5					5.8	7.6		Windom, 1973
+ 4.7	0.0		1515	0	28	22.5					6.0	7.8		
+ 7.3	+0.2		1525	0	23	22.2					6.8	7.2		
+10.4	-0.2		1535	0	20	22.0					6.4	7.1		
+13.7	+0.2		1545	0	12	22.3					7.0	6.5		
+16.4	0.0		1555	0	9	22.4					6.5	6.4		
+18.1	0.0		1602	0	3	22.0					6.4	6.4		
+19.8	0.0		1607	0	1	22.0					6.4	6.3		
+21.1	0.0	1615	0	0.5	22.0					6.9	6.3			
+22.2	0.0	1620	0	0	22.0					6.8	6.3			
+20.0	0.0	28 Nov 72		0	0.1t	13.1			19		6.8	7.2		EPD, 1973a
+22.2	0.0	5 Jan 73	0930	0	0	14.0					8.2	6.9		Windom, 1973
+21.1	0.0		0940	0	0	14.0					8.4	6.8		
+19.8	0.0		0950	0	0	14.0					8.2	6.9		
+18.1	0.0		1000	0	0	14.0					8.2	6.9		
+16.4	0.0		1015	0	0	14.0					8.1	6.9		

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+13.7	+0.2	5 Jan 73	1030	0	0	14.0					8.0	7.0		Windom, 1973
+10.4	-0.2		1045	0	0	14.0					8.0	7.0		
+ 7.3	+0.2		1100	0	0	14.8					8.2	7.2		
+ 4.7	0.0		1110	0	4	14.8					8.3	7.7		
+ 2.0	+0.1		1130	0	5	15.0					8.3	7.7		
+20.0	0.0	16 Jan 73		0	0.0t	7.5			8		10.4	6.7		EPD, 1974
		27 Feb 73		0	0.0t	11.0			7		9.5	6.7		
+ 2.0	+0.1	5 Mar 73	1430	0	0	16.0					9.7	6.0		Windom, 1973
+ 4.7	0.0		1440	0	0	16.0					10	6.0		
+ 7.3	+0.2		1450	0	0	16.0					11	6.8		
+10.4	-0.2		1505	0	0	16.0					10	6.8		
+13.7	+0.2		1530	0	0	16.0					10	7.0		
+16.4	0.0		1550	0	0	16.0					10	7.0		
+18.1	0.0		1615	0	0	16.5					9.3	7.0		
+19.8	0.0		1630	0	0	16.5					9.5	7.0		
+21.1	0.0		1645	0	0	16.2					9.6	7.0		
+22.2	0.0		1700	0	0	16.4					9.6	6.9		
+20.0	0.0	20 Mar 73		0	0.0t	17.5			7		6.7	6.5		EPD, 1974
		17 Apr 73		0	0.0t	17.0			5		7.2	6.6		
		15 May 73		0	0.0t	22.5			7		5.4	6.3		

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.0	+0.1	29 May 73	1425	0	4	25.0					7.4	6.8		Windom, 1973
+ 4.7	0.0		1430	0	3	25.8					7.2	6.7		
+ 7.3	+0.2		1440	0	2	25.5					8.2	6.7		
+10.4	-0.2		1450	0	1	25.0					8.4	6.8		
+13.7	+0.2		1500	0	0	25.2					7.6	6.8		
+16.4	0.0		1510	0	0	25.2					7.3	6.8		
+18.1	0.0		1515	0	0	25.5					6.8	6.8		
+19.8	0.0		1523	0	0	25.0					6.4	6.9		
+21.1	0.0		1540	0	0	25.0					6.5	6.8		
+22.2	0.0		1535	0	0	25.0					6.8	6.8		
+20.0	0.0	12 Jun 73		0	0.0t	24.5			11		5.1	6.9		EPD, 1974
+ 2.5	+0.3	11 Sep 73		0	13.0t	29.8					4.2			BJC, 1975
		9 Oct 73		0	11.0t	25.9					7.8			
		13 Nov 73		0	27.1t	15.9					9.2			
		18 Dec 73		0	7.3t	10.5					9.6	7.3		
		1530	0	21.3	9.8		12.0	7.3						
		b	24.1	11.2		11.2	7.3							
		1630	0	19.9	10.5		11.7	7.3						
		b	22.7	10.5		11.1	7.3							
		1745	0	14.5	10.0		11.3	7.3						
		b	17.9	10.0		11.1	7.3							

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+ 2.5	+0.3	18 Dec 73	1840	0	12.5	10.0					11.3	7.3		BJC, 1975		
				b	15.8	10.0				10.9	7.3					
			1945	0	9.9	10.0			11.1	7.3						
				b	13.2	10.3			11.0	7.3						
			2045	0	7.4	10.0			11.2	7.3						
				b	11.2	10.0			11.0	7.3						
			2155	0	6.8	10.0			11.1	7.4						
				b	8.7	10.0			10.9	7.4						
			23 Jan 74				0.3t	16.5					7.2		6.9	
			26 Feb 74				0.1t	11.5					9.3		7.9	
			20 Mar 74				2.2t	18.0					7.6		7.2	
			23 Mar 74	0915	0	22.7	17.8								7.2	7.7
		b			28.4	17.7							7.1		7.4	
		1001		0	21.3	17.7							7.6		7.5	
				b	25.5	17.2							7.2		7.2	
		1103		0	15.8	18.0							7.6		7.5	
				b	19.9	18.5							7.1		7.1	
		1203		0	11.9	18.5							7.1		7.3	
				b	13.8	18.7							6.8		7.2	
		1303		0	6.8	18.5							6.8		7.1	
b	7.4			18.8							6.6	7.2				

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.5	+0.3	23 Mar 74	1403	0	3.2	18.5					6.8	7.2		BJC, 1975
				b	3.8	18.5				6.7	7.2			
		1503	0	2.7	18.8			6.4	7.1					
			b	3.8	18.7			6.5	7.2					
		17 Apr 74		0	0.5t	20.0			6.6	7.4				
		29 May 74		0	4.2t	27.0			6.5					
		19 Jun 74		0	6.0t	27.5			4.8	6.9				
		20 Jun 74	0810	0	24.1	28.2			5.5	7.6				
				b	27.7	28.2			5.4	7.7				
		0910	0	23.4	28.3			4.5	7.7					
			b	26.9	28.5			5.3	7.7					
		1005	0	13.2	28.6			4.6	7.6					
			b	23.4	28.2			4.9	7.6					
		1105	0	13.2	28.5			5.0	7.3					
			b	15.2	28.5			4.9	7.4					
		1210	0	9.3	28.5			4.8	7.3					
			b	9.9	28.5			4.9	7.4					
		1305	0	7.4	28.1			4.7	7.3					
b	7.4		28.5			5.0	7.3							

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.5	+0.3	20 Jun 74	1410	0	6.2	28.7					4.8	7.2		BJC, 1975
				b	6.2	28.7				4.9	7.2			
		24 Jul 74		0	12.5t	28.0					8.0			
		14 Aug 74		0	2.4t	27.0					5.2	6.6		
		18 Sep 74		0	2.2t	27.5					4.5	6.5		
		25 Sep 74	0450	0	27.7	23.3					7.3	7.5		
				b	27.7	23.2			7.6	7.4				
			0535	0	23.4	22.7					7.5	7.4		
				b	25.5	23.0			7.6	7.4				
			0655	0	17.2	22.2					7.5	7.3		
				b	23.4	22.5			7.5	7.4				
			0755	0	13.8	22.0					7.1	7.2		
				b	18.6	22.3			7.1	7.3				
			0900	0	11.2	21.8					7.2	7.1		
				b	16.5	22.5			7.1	7.2				
			1000	0	9.3	22.2					7.1	7.1		
				b	13.2	22.5			7.0	7.1				
			1105	0	9.9	22.2					7.1	7.1		
				b	16.5	22.5			7.0	7.2				

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.5	+0.3	16 Oct 74		0	9.4t	23.0					5.6	6.9		BJC, 1975
		13 Nov 74		0	11.8t	16.5					7.8	7.5		
		11 Dec 74		0	7.3t	10.5					9.7	7.8		
		26 Dec 74	0630	0	26.2	13.5					8.7	7.8		
				b	29.1	13.3						8.6	7.8	
			0730	0	22.7	13.5					8.9	7.8		
				b	27.7	13.7						8.7	7.7	
			0830	0	16.5	13.8					9.1	7.8		
				b	22.7	14.0						8.8	7.9	
			0930	0	13.8	13.3					9.1	7.8		
				b	17.9	13.5						8.9	7.8	
			1030	0	10.6	13.2					9.0	7.7		
				b	15.8	13.3						8.7	7.8	
			1130	0	8.7	13.0					8.8	7.6		
				b	9.9	13.0						8.7	7.6	
			1230	0	7.4	13.0					8.9	7.7		
				b	11.9	13.2						8.8	7.7	
- 9.7	-0.4	30 Jun 75	1707	0	34.0	27.7								Jaffe, 1975
- 7.8	-0.3		1714	0	33.4	28.1								
- 6.8	-0.4		1720	0	28.8	28.8								
- 7.7	+0.6		1724	0	25.2	28.8								
- 8.4	+1.4		1727	0	30.9	28.5								
- 9.1	+2.3		1730	0	33.0	28.2								

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+8.2	+0.1	12 Sep 75	1115	0	2.4	28.6	26	290						Winker, 1976
				1	2.5	28.6	13	295						
				2	2.6	28.5	33	290						
				3	2.6	28.5	33	280						
				4	2.6	28.4	33	290						
				5	2.6	28.4	33	285						
				6	2.6	28.4	28	270						
+6.3	-0.2		1145	0	5.8	28.9	49	255						
				1	5.8	28.7	46	280						
				2	5.8	28.7	44	270						
				3	9.2	28.6	44	280						
				4	9.4	28.6	38	290						
				5	10.0	28.6	36	270						
				6	9.6	28.6	20	280						
+4.3	-0.7		1210	0	10.9	28.6	45	270						
				1	10.9	28.6	41	280						
				2	11.0	28.6	41	260						
				3	10.9	28.6	44	250						
				4	10.9	28.7	44	240						
				5	10.9	28.7	44	240						
				6	10.9	28.7	33	215						
				6.5	10.9	28.7	31	270						
+2.5	0.0		1235	0	18.9	29.2	62	300						
				1	18.9	29.0	62	285						
				2	19.0	29.1	51	290						
				3	18.9	29.1	41	290						

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.5	0.0	12 Sep 75	1235	4	19.0	29.0	33	290						Winker, 1976
				5	19.0	29.0	33	290						
				6	19.0	29.0	33	270						
				7			26	270						
				7.5			26	290						
+ 0.6	0.0		1255	0	21.6	29.2	41	290						
				1	21.6	29.1	41	290						
				2	21.6	29.1	41	300						
				3	21.7	29.2	31	290						
				4	21.6	29.2	31	280						
				5	21.6	29.2	20	280						
				6	21.6	29.2	13	265						
6.5	21.6	29.2	13	275										
- 1.3	0.0		1310	0	25.8	29.4	20	270						
				1	26.5	29.1	18	300						
				2	26.4	29.2	23	290						
				3	26.4	29.4	23	290						
				4	26.3	29.4	23	300						
				5	26.2	29.4	18	280						
				5.5	26.4	29.4	13	290						
- 3.0	0.0		1330	0	32.2	29.7	5	030						
				1	32.2	29.4	15	310						
				2	32.1	29.4	20	300						
				3	32.1	29.6	20	290						
				4	32.2	29.4	20	290						
				5	32.2	29.6	20	280						

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 3.0	0.0	12 Sep 75	1330	6	32.1	29.6	18	290						Winker, 1976
				7	32.2	29.5	15	290						
				7.5	32.2	29.5	15	270						
+ 8.2	+0.1	10 Oct 75	0930	0	1.5	24.0							flood	
				1	1.5	23.8								
				2	1.5	23.8								
				3	1.5	23.8								
				4	1.5	23.9								
+ 6.3	-0.2		0935	0	5.6	24.4							flood	
				1	5.6	24.1								
				2	5.7	24.2								
				3	5.7	24.0								
				4	5.7	24.0								
				5	5.7	24.0								
+ 4.3	-0.7		1025	0	9.7	24.3							flood	
				1	9.7	24.2								
				2	9.7	24.2								
				3	9.9	24.2								
				4	9.9	24.1								
				5	9.9	24.2								
6	9.9	24.2												

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.5	0.0	10 Oct 75	1055	0	22.7	24.8							ebb	Winker, 1976
				1	22.8	24.8								
				2	22.9	24.6								
				3	22.9	24.4								
				4	22.9	24.5								
				5	22.9	24.5								
				6	22.9	24.4								
+ 0.6	0.0		1120	0	24.5	25.2							ebb	
				1	24.6	24.9								
				2	24.6	24.7								
				3	24.9	24.7								
				4	24.6	24.8								
				5	24.9	24.7								
				6	24.6	24.7								
- 1.3	0.0		1150	0	27.3	25.2							ebb	
				1	27.1	25.1								
				2	27.2	25.0								
				3	27.2	25.0								
				4	27.2	25.0								
				5	27.1	25.0								
				6	27.2	25.0								
				7	27.2	25.0								

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 3.0	0.0	10 Oct 75	1200	0	28.7	25.3							ebb	Winker, 1976
				1	28.7	25.2								
				2	28.7	25.2								
				3	28.6	25.2								
				4	28.8	25.1								
+ 8.2	+0.1	10 Nov 75	1255	0	7.8	22.7							flood	
				1	8.1	22.4								
				2	8.2	22.5								
				3	8.3	22.4								
				4	8.4	22.4								
				5	8.4	22.3								
				5.5	8.5	22.3								
+ 6.3	-0.2		1330	0	12.6	22.5								
				1	12.8	22.4								
				2	13.3	22.5								
				3	13.5	22.4								
				4	13.6	22.4								
				5	13.7	22.4								
				6	13.9	22.4								
+ 4.3	-0.7		1340	0	12.8	22.8								
				1	15.4	22.6								
				2	17.1	22.6								
				3	17.6	22.6								
				4	17.6	22.6								
				5	18.2	22.6								
				6	18.4	22.6								
				7	19.1	22.6								
7.5	19.2	22.6												

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+ 2.5	0.0	10 Nov 75	1355	0	23.2	22.8								ebb	Winker, 1976
				1	22.6	22.8									
				2	23.3	22.8									
				3	23.7	22.7									
				4	24.6	22.7									
				5	25.3	22.7									
				6	25.3	22.7									
				7	25.4	22.8									
+ 0.6	0.0		1405	0	23.6	22.8							ebb		
				1	24.2	22.8									
				2	25.9	22.8									
				3	27.8	22.8									
				4	28.0	22.8									
				4.5	28.0	22.8									
- 1.3	0.0		1415	0	27.3	23.0							ebb		
				1	26.8	22.9									
				2	27.6	22.9									
				3	29.0	22.9									
				4	29.3	22.8									
				5	29.4	22.8									
				6	29.4	22.8									
- 3.0	0.0		1425	0	28.0	23.1									
				1	25.8	22.9									
				2	29.4	22.8									
				3	29.6	22.8									
				4	29.6	22.8									
				5	29.6	22.8									
				5.5	29.6	22.8									

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 8.2	+0.1	8 Dec 75	1045	0	4.3	15.2	26	025					flood	Winker, 1976
				1	4.4	15.0	23	345						
				2	4.5	15.0	73	340						
				3	4.6	15.0	45	330						
				4	4.7	15.0	56	320						
				5	4.9	15.0	56	320						
+ 6.3	-0.2		1105	0	7.1	15.3	62	270					flood	
				1	8.3	15.3	67	275						
				2	8.9	15.4	72	260						
				3	9.2	15.3	72	250						
				4	9.8	15.4	82	240						
				5	9.8	15.4	87	250						
				6	10.5	15.5	77	250						
				7	10.6	15.5	67	240						
				8	10.8	15.6	51	240						
9			41	240										
+ 4.3	-0.7		1130	0	14.8	15.9	20	350					flood	
				1	15.3	15.9	25	320						
				2	15.4	16.0	41	310						
				3	15.7	15.9	41	295						
				4	16.1	16.0	41	290						
				5	16.8	16.1	31	240						
				6	18.1	16.2								
+ 2.5	0.0		1220	0	23.0	16.7	15	360					high	
				1	23.4	16.6	10	350						
				2	26.2	16.8	15	310						
				3	26.8	16.8	10	320						
				4	26.8	16.8	5	330						
				4.5	26.9	16.7	5	310						

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 0.6	0.0	8 Dec 75	1235	0	26.6	17.1	10	350					ebb	Winker, 1976
				1	26.7	16.9	10	340						
				2	27.7	17.0	10	310						
				3	29.4	17.0	5	290						
				4	29.6	16.9	5	280						
				5	29.7	17.1	< 5	250						
				6			< 5	220						
- 1.3	0.0		1250	0	27.5	16.8	10	210					ebb	
				1	26.9	17.0	5	220						
				2	27.7	17.2	10	290						
				3	30.0	17.0	20	290						
				4	30.6	17.0	20	290						
				5	30.5	17.0	15	290						
				6	30.6	17.0	10	300						
				7			10	300						
- 3.0	0.0		1310	0	26.8	17.2	20	130						
				1	27.8	17.2	10	150						
				2	29.1	17.1	5	190						
				3	30.2	17.2	5	200						
				4	31.2	17.2	5	220						
				5	31.4	17.0	10	300						
				6	31.2	17.0	5	400						
				7	31.3	17.2	10	090						
				8			10	110						

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 4.1	-0.1	8 Dec 75	1335	0	11.6	15.7	62	150					ebb	Winker, 1976
				1	17.8	16.2	41	170						
				2	22.6	16.4	31	140						
				3	23.8	16.4	20	120						
				4	24.0	16.5	15	150						
				5	24.0	16.4	13	160						
+ 8.2	+0.1	22 Jan 76	1100	0	0.2	6.3	67	120					flood	
				1	0.4	6.4	36	315						
				2	0.9	6.4	41	320						
				3	0.8	6.4	31	315						
+ 6.3	-0.2		1125	0	3.9	6.6	82	310					flood	
				1	4.2	6.5	62	310						
				2	4.9	6.5	51	315						
				3	5.1	6.5	41	315						
				4	5.1	6.5	41	310						
				5	5.3	6.4	38	315						
				6	5.4	6.5	51	315						
				7	5.6	6.5	62	310						
				8	5.6	6.5	41	320						
				9	5.6	6.5	56	310						
+ 4.3	-0.7		1155	0	7.0	7.2	10	305					flood	
				1	8.9	7.0	15	300						
				2	12.1	7.3	41	300						
				3	17.8	7.7	41	285						
				4	18.8	7.8	31	300						

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+4.3	-0.7	22 Jan 76	1155	5	19.2	7.8	0						flood	Winker, 1976
				6	19.3	7.8	0							
				7	19.9	7.8	0							
				8	20.1	7.8	0							
				9	20.1	7.8	0							
				10			41	280						
+4.1	-0.1		1225	0	14.0	7.2								
				1	20.8	7.2								
				2	23.5	7.7								
				3	24.5	7.7								
				4	24.8	7.7								
				5	24.8	7.9								
+2.5	0.0		1240	0	16.9	8.2	10	280						
				1	20.6	8.3	20	295						
				2	21.8	8.4	49	310						
				3	24.4	8.6	36	315						
				4	24.7	8.8	10	310						
				5	25.2	8.7	0							
				6	25.5	8.7	0							
				7	25.8	8.7	0							
+0.6	0.0		1255	0	22.3	8.7							ebb	
				1	23.4	8.6								
				2	24.2	8.6								

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 0.6	0.0	22 Jan 76	1255	3	25.2	8.7							ebb	Winker, 1976
				4	28.1	8.9								
				5	28.2	9.0								
				6	28.4	9.0								
- 1.3	0.0		1320	0	24.6	8.6	10	310						
				1	26.0	9.1	8	315						
				2	25.7	9.1	33	315						
				3	27.8	9.0	36	310						
				4	28.4	9.0	15	315						
				5	28.7	9.0	2	310						
				6	28.9	9.1	2	300						
6.5	29.0	9.1	23	315										
- 3.0	0.0		1335	0	25.4	9.3								
				1	26.2	9.3	41	180						
				2	28.3	9.2	38	195						
				3	28.6	9.2	31	200						
				4	29.3	9.3	28	155						
5	29.5	9.3	28	180										
+ 8.2	+0.1	6 Feb 76	1035	0	0.0	11.4	<10						high	
				1	0.0	11.4								
				2	0.0	11.3								
+ 6.3	-0.2		1105	0	0.3	11.4	<10						l. fld.	
				1	0.3	11.5	0							
				2	0.3	11.4	0							
				3	0.5	11.2	0							

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 6.3	-0.2	6 Feb 76	1105	4	0.8	11.2	0						l.fld.	Winker, 1976
				5	1.5	11.2	10	300						
				6	1.6	11.3	10	310						
				7			15	280						
+ 4.3	-0.7		1140	0	2.1	11.7	15	130					e.ebb	
				1	1.9	11.5	10	140						
				2	4.2	11.5	0							
				3	4.5	11.7	0							
				4	4.9	11.5	2	300						
				5	7.6	11.4	5	290						
				6	8.3	11.3	31	310						
				7	9.0	11.3	31	270						
				8	3.3	11.3	31	280						
9	9.5	11.3	20	270										
+ 4.1	-0.1		1140	0	3.2	11.4							ebb	
				1	8.7	11.1								
				2	11.2	11.2								
				3	11.2	11.2								
				4	11.2	11.1								
+ 2.5	0.0		1210	0	5.0	11.7	26	180					ebb	
				1	8.6	11.6	0							
				2	14.1	11.5								
				3	19.0	11.8								
				4	21.7	11.6								
				5	22.6	11.6								
				6	22.6	11.6								

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 0.6	0.0	6 Feb 76	1235	0	6.4	11.9	62	150					ebb	Winker, 1976
				1	13.6	11.8	5	150						
				2	18.4	11.7	10	290						
				3	25.0	11.6	15	320						
				4	26.4	11.6	15	310						
				5	26.4	11.6	10	310						
				5.5	26.3	11.7	10	310						
- 1.3	0.0		1250	0	12.1	12.4	56	165					ebb	
				1	22.4	12.0	5	165						
				2	26.6	11.8	20	310						
				3	28.2	11.6	10	315						
				4	28.2	11.6	5	315						
				5	28.4	11.5	8	315						
				6	28.4	11.6	5	315						
				6.5			2	305						
- 3.0	0.0		1310	0	13.9	12.7	69	150					ebb	
				1	24.8	12.1	20	175						
				2	28.0	12.0	5	305						
				3	29.7	11.7	10	310						
				4	29.8	11.7	10	315						
				5	30.0	11.6	10	310						
				6	30.1	11.6	10	320						
				6.5	30.1	11.6	5	315						
+16.7	0.0	8 Mar 76	1055	0	0.1	20.37							flood	
				6	0.2									

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+14.3	0.0	8 Mar 76	1115	0	0.2	20.3							flood	Winker, 1976
				2	0.1	20.2								
				4	0.1	20.2								
				6	0.1	20.1								
				8	0.3	20.0								
+12.5	0.0		1135	0	0.8	20.1							l. fld.	
				1	0.8	20.1								
				2	1.0	20.1								
				4	1.1	20.1								
				6	1.1	20.1								
				8	1.2	20.1								
+ 8.2	+0.1		1255	0	3.1	20.5								
				1	3.4	20.4								
				3	4.6	20.0								
				5	5.6	19.8								
+ 6.3	-0.2		1320	0	8.8	19.7								
				1	10.3	19.6								
				3	11.5	19.6								
				5	11.8	19.6								
				7	12.0	19.5								
				9	12.2	19.4								
+ 4.3	-0.7		1335	0	8.8	19.5								
				1	13.5	19.4								
				3	14.9	19.4								
				5	16.1	19.4								
				7	17.8	19.6								

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.5	0.0	8 Mar 76	1350	0	15.9	19.3								Winker, 1976
				1	14.9	19.6								
				2	19.9	18.7								
				4	20.9	18.6								
				6	21.7	18.5								
+ 0.6	0.0		1405	0	16.2	19.7								
				1	23.4	18.7								
				2	23.7	18.4								
				4	23.9	18.3								
				6	26.9	18.1								
- 1.3	0.0		1415	0	25.7	18.6								
				1	25.0	18.5								
				2	25.9	18.1								
				4	27.5	17.9								
				6	28.3	17.7								
- 3.0	0.0		1425	0	22.5	18.5								
				1	23.4	18.8								
				2	26.0	18.4								
				4	29.1	17.7								
				6	29.3	17.5								
				8	29.2	17.5								
+ 4.1	-0.1		1430	0	12.0	20.4							ebb	
				1	12.1	20.4								
				2	12.7	20.4								
				3	18.6	19.1								
				4	18.7	19.1								

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 4.1	-0.1	6 Apr 76	1120	0	3.0	18.3							l. fld.	Winker, 1976
				1	5.0	18.2								
				2	13.5	18.3								
				3	14.3	18.3								
				4	14.3	18.4								
				5	14.6	18.4								
+ 2.5	0.0		1130	0	4.7	18.6								
				1	6.1	18.5								
				2	8.9	18.5								
				3	16.2	18.6								
				4	18.1	18.7								
				5	19.3	18.7								
+ 0.6	0.0		1150	0	3.6	18.6								
				1	4.0	18.6								
				2	8.1	18.6								
				3	19.0	18.6								
				4	21.4	18.6								
				5	21.7	18.6								
- 1.3	0.0		1210	0	8.4	18.9								
				1	9.9	18.8								
				2	20.4	18.7								
				3	20.2	18.8								
				4	23.2	18.8								
				5	26.2	18.7								
				6	26.3	18.7								
7	26.3	18.7												

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
- 3.0	0.0	6 Apr 76	1230	0	23.2	18.9									Winker, 1976
				1	22.9	18.8									
				2	23.6	18.9									
				3	24.2	18.8									
				4	26.2	18.8									
				5	26.5	18.8									
				6	27.5	18.8									
				7	27.5	18.7									
+ 8.2	+0.1	5 May 76	0915	0	3.7	21.7							flood		
				1	3.7	21.2									
				2	3.7	21.2									
				3	3.7	21.2									
+12.5	0.0		0950	0	2.0	21.2							flood		
				1	2.0	21.2									
				2	2.0	21.3									
				3	2.0	21.2									
				4	2.1	21.3									
				5	2.3	21.2									
				6	2.3	21.2									
				7	2.6										
+14.3	0.0		1005	0	1.1	21.3							flood		
				1	0.6	21.2									
				2	0.6	21.2									
				3	0.6	21.3									
				4	1.0	21.2									

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+8.2	+0.1	5 May 76	1115	0	7.8	22.6							l.fld.	Winker, 1976
				1	8.0	22.4								
				2	8.6	22.0								
				3	8.7	21.9								
				4	8.7	21.9								
+ 6.3	-0.2		1135	0	13.8	22.3							flood	
				1	13.7	22.2								
				2	13.9	21.9								
				3	14.4	21.9								
				4	14.9	21.9								
				5	15.0	21.8								
				6	15.0	21.8								
6.5	15.0	21.8												
+ 4.3	-0.7		1150	0	17.9	22.0							flood	
				1	17.9	21.9								
				2	18.6	21.7								
				3	19.4	21.7								
				4	19.5	21.6								
				5	19.8	21.5								
				6	20.2	21.6								
				7	20.8	21.5								
+ 2.5	0.0		1205	0	22.6	22.0								
				1	23.0	21.5								
				2	23.8	21.5								
				3	24.7	21.5								
				4	25.0	21.4								

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.5	0.0	5 May 76	1205	5	25.4	21.4								Winker, 1976
				6	25.4	21.4								
				7	25.4	21.4								
+ 0.6	0.0		1220	0	24.0	22.8								
				1	26.2	21.7								
				2	28.0	21.7								
				3	29.5	21.5								
				4	29.9	21.5								
- 1.3	0.0		1235	0	28.0	22.4								
				1	27.9	22.3								
				2	28.6	22.3								
				3	30.2	21.7								
				4	30.4	21.7								
				5	30.9	21.6								
				6	31.0	21.6								
7	31.0	21.6												
- 3.0	0.0		1250	0	29.9	22.3								
				1	30.1	22.4								
				2	30.2	22.3								
				3	31.3	21.9								
				4	31.6	21.9								
				5	31.7	21.9								
6	31.6	22.0												

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 8.2	+0.1	3 Jun 76	1045	0	0.0	23.3								Winker, 1976
				1	0.0	23.2								
				2	0.0	23.2								
				3	0.0	23.2								
				4	0.0	23.2								
				5	0.0	23.2								
+ 6.3	-0.2		1100	0	0.0	23.3								
				1	0.0	23.2								
				2	0.1	23.2								
				3	0.2	23.3								
				4	0.2	23.3								
				5	0.3	23.3								
				6	0.3	23.3								
				7	0.4	23.3								
8	0.4	23.4												
+ 4.3	-0.7		1130	0	0.9	23.8							high	
				1	2.2	23.7								
				2	3.2	23.6								
				3	3.4	23.9								
				4	3.8	23.8								
				5	4.8	24.0								
+ 2.5	0.0		1145	0	4.4	24.1							ebb	
				1	8.6	23.9								
				2	9.6	24.1								
				3	17.2	24.4								
				4	24.9	24.9								
				5	25.5	25.8								
				6	25.8	24.9								
				7	25.5	24.9								

ALTAMAHA SOUND - SOUTH ALTAMAHA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+12.5	0.0	2 Jul 76	1000	7	0.8									Winker, 1976
				8	0.9									
				9	0.7									
				9.5	0.8									
+ 4.3	-0.7		1135	0	14.9									
				1	15.0									
				2	16.7									
				3	17.4									
				4	18.2									
				5	18.9									
				6	19.4									
7	19.6													
+ 2.5	0.0		1150	0	20.3									
				1	20.6									
				2	20.7									
				3	21.8									
				4	21.7									
				5	23.8									
				6	23.9									
				7	24.9									
7.5	24.7													
+ 0.6	0.0		1210	0	22.9									
				1	22.9									
				2	23.6									
				3	24.4									
				4	25.2									
				5	25.6									
5.5	25.4													

ALTAMAHA RIVER - CHAMPNEY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+16.4	0.0	20 Jul 71	0820	0	0.0t	29.0			25		5.1	7.0		EPD, 1972
		24 Aug 71	0858	0	0.0t	27.0			11		4.5	6.6		
		21 Sep 71	0830	0	0.1t	28.0			28		5.6	7.1		
		27 Oct 71	0910	0	0.1t	22.4			9		6.2	7.1		
		30 Nov 71	0950	0	0.1t	14.5			56		8.4	7.2		
		11 Jan 72		0	0.0t	14.5			10		7.9	6.7		EPD, 1973a
		15 Feb 72		0	0.0t	9.6			9		9.7	6.6		
		14 Mar 72		0	0.0t	15.8			11			7.2		
		11 Apr 72		0	0.0t	17.5			8		7.3	7.3		
		16 May 72		0	0.1t	23.9			22		7.0	7.4		
		13 Jun 72		0	0.3t	25.9			60		6.1	7.1		
		11 Jul 72		0	0.1t	26.5			48		6.4	7.1		
		15 Aug 72		0	0.1t	29.9			13		6.4	7.4		
		19 Sep 72		0	0.0t	29.7			32		6.0	7.0		
		31 Oct 72		0	1.1t	21.5			18		6.7	6.8		
		28 Nov 72		0	0.1t	13.1			17		8.4	7.2		
		16 Jan 73		0	0.0t	7.5			6		10.5	6.8		EPD, 1974
		27 Feb 73		0	0.0t	10.5			7		9.5	6.7		
		20 Mar 73		0	0.0t	17.5			10		6.8	6.5		

ALTAMAHA RIVER - CHAMPNEY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+16.4	0.0	9 Sep 69	1015	0	0.0t	27.0					4.4	6.2		EPD, 1972	
		7 Oct 69	0830	0	0.0t	23.2					5.3	6.4			
		18 Nov 69	0935	0	0.0t	14.1						7.6			
		9 Dec 69	1010	0	2.6t	11.4					9.1	7.3			
		13 Jan 70	0950	0	0.1t	3.8					12.2	6.4			
		10 Feb 70	0952	0	0.0t	9.2			15		9.8	6.3			
		10 Mar 70	0945	0	0.0t	15.4			16		7.8	6.5			
		7 Apr 70	0917	0	0.0t	16.5			17		6.6	6.6			
		12 May 70	0825	0	0.0t	23.9			7		5.9	6.8			
		16 Jun 70	0820	0	0.0t	26.7			18		5.9	7.6			
		14 Jul 70	0815	0	0.1t	28.9					4.7	7.4			
		11 Aug 70	0915	0	0.0t	27.8			10		5.4	7.2			
		29 Sep 70	0829	0	0.6t	25.7			40		6.2	7.4			
		27 Oct 70	0924	0	1.2t	21.4			41		6.4	7.5			
		17 Nov 70	0925	0	0.1t	14.1			19		7.5	7.2			
		15 Dec 70	0923	0	1.3t	13.0			122		8.8	7.4			
		19 Jan 71	0942	0	0.0t	10.0			15		8.6	6.6			
		23 Feb 71	0923	0	0.0t	13.0			5		8.5	6.8			
		23 Mar 71	0938	0	0.0t	14.0			14		8.0	6.7			
		13 Apr 71	0928	0	0.0t	16.7			15		7.7	6.6			
		18 May 71	0818	0	0.0t	22.5			10		6.2	6.8			
		22 Jun 71	0950	0	0.1t	28.0			50		6.1	7.3			

ALTAMAHA RIVER - CHAMPNEY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+16.4	0.0	17 Apr 73		0	0.0t	17.0			5		7.2	6.6		EPD, 1974
		15 May 73		0	0.0t	22.5			6		5.5	6.6		
		12 Jun 73		0	0.0t	25.0			8		5.1	6.9		
+ 9.3	-0.8	12 Sep 75	1145	0	1.1	28.9							flood	Winker, 1976
				1			62	330						
				2	1.1	28.8								
				3	1.0	28.8	56	335						
				5	1.2	28.9	36	335						
+ 8.8	0.0		1220	0	2.2	29.0							flood	
				1	2.1	29.0	41	340						
				2	2.0	29.2	31	355						
+ 7.4	0.0		1300	0	5.0	28.9							flood	
				1			51	330						
				2	5.6	27.9								
				3			51	330						
				4	5.6	28.9								
				5			46	330						
				6	5.6	29.0								
				7	5.5	28.9	31	340						
+ 5.6	0.0		1345	0	9.5	29.2							flood	
				1	10.3	29.1	10	270						
				2	13.3	29.2								
				3	15.2	29.2	26	330						
				4	15.7	29.1								
				5			36	330						
				6	16.4	29.2								
				7	16.3	29.4	31	340						

ALTAMAHA RIVER - CHAMPNEY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 9.3	-0.8	10 Oct 75	1000	0	0.2	23.8	67	270					flood	Winker, 1976
				1	0.1	23.8	67	270						
				2	0.1	23.7	67	270						
				3	0.1	23.7	67	260						
				4	0.1	23.8	62	260						
				4.5			46	280						
+ 8.8	0.0		1040	0	1.5	24.0	51	300					flood	
				1	1.5	24.0	51	300						
				2	1.4	24.0	46	300						
				3	1.5	24.1	36	300						
+ 7.4	0.0		1115	0	4.2	24.2	62	320					flood	
				1	4.6	24.4	62	320						
				2	4.7	24.4	67	320						
				3	4.1	24.3	62	320						
				4	4.6	24.2	56	320						
				5	3.9	24.2	56	330						
				6	4.4	24.2	51	330						
				7	4.3	24.2	46	340						
				8	4.1	24.2	31	310						
+ 5.6	0.0		1150	0	7.3	25.1	41	320					flood	
				1	8.2	24.9	41	310						
				2	12.3	24.8	46	310						
				3	14.0	24.6	46	280						
				4	14.8	24.6	41	280						
				5	15.5	24.6	36	270						
				6	16.0	24.6	31	280						
				7	16.0	24.6	46	340						

ALTAMAHA RIVER - CHAMPNEY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 9.3	-0.8	10 Nov 75	1325	0	2.3	22.2	41	330					flood	Winker, 1976
				1	2.4	22.0	36	320						
				2	2.5	22.1	36	290						
				3	2.5	22.0	31	300						
				4	3.2	22.1	31	300						
				5	3.6	22.0	20	250						
+11.6	0.0		1350	0	0.5	22.2	51	310					flood	
				1	0.5	22.1	46	240						
				2	0.6	22.0	36	230						
				3	0.6	22.0	36	230						
				3.5			15	240						
+ 8.8	0.0		1410	0	4.6	22.4	5	340					1. fld.	
				1	5.5	22.4	5	320						
				2	5.9	22.3	15	320						
				3	6.0	22.2	5	020						
+ 7.4	0.0		1435	0	7.5	22.6	10	320					high	
				1	8.1	22.5	10	260						
				2	8.7	22.4	10	120						
				3	9.2	22.3	10	100						
				4	9.3	22.4	5	100						
				5	9.5	22.3	5	30						
				6	9.5	22.4	5	320						
				6.5	9.7	22.4	5	190						

ALTAMAHA RIVER - CHAMPNEY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 5.6	0.0	10 Nov 75	1515	0	9.3	22.7								Winker, 1976
				1	11.8	22.6								
				2	13.7	22.4								
				3	16.1	22.4								
				4	17.8	22.5								
				5	18.4	22.6								
				6	18.7	22.6								
				6.5	18.8	22.6								
+ 9.3	-0.8	8 Dec 75	1110	0	1.7	14.7	51	280					flood	
				1	2.2	14.7	46	280						
				2	2.6	14.8	51	280						
				3	2.5	14.8	51	290						
				4	2.5	14.7	51	280						
				5	2.6	14.7	46	290						
				6	2.4	14.7	36	280						
				7			5	290						
+11.6	0.0		1135	0	0.3	14.4	46	250					flood	
				1	0.3	14.4	51	280						
				2	0.4	14.4	46	280						
				3	0.4	14.3	41	260						
				4	0.3	14.3	26	280						
+ 8.8	0.0		1200	0	3.8	15.0	15	290					flood	
				1	3.8	14.8	10	290						
				2	3.9	14.9	10	300						
				3	3.7	14.9	10	280						

ALTAMAHA RIVER - CHAMPNEY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+ 7.4	0.0	8 Dec 75	1220	0	5.9	15.4	20	280						flood	Winker, 1976
				1	6.0	15.1	20	290							
				2	6.5	15.2	20	290							
				3	6.9	15.2	20	280							
				4	7.0	15.3	20	290							
				5	7.4	15.2	20	280							
				6	7.4	15.2	15	280							
				7	7.4	15.2	15	280							
+ 5.6	0.0		1255	0	6.1	15.7	20	090					ebb		
				1	12.4	15.8	5	080							
				2	14.8	15.9	5	100							
				3	16.6	15.8	0								
				4	16.9	15.9	0								
				5	17.6	16.0	10	290							
				6	18.2	16.0	10	290							
				7	18.0	16.0	8	260							
	7.5		8	290											
+ 9.3	-0.8	22 Jan 76	1110	0	0.0	5.7									
				1	0.0	5.6									
				2	0.0	5.6									
				3	0.0	5.6									
				4	0.0	5.6									
				5	0.0	5.6									
				6	0.0	5.6									

ALTAMAHA RIVER - CHAMPNEY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 8.8	0.0	22 Jan 76	1125	0	0.2	5.9								Winker, 1976
				1	0.2	5.8								
				2	0.3	5.9								
				3	0.4	5.9								
				4	0.4	5.8								
+ 7.4	0.0		1150	0	2.0	6.2								
				1	2.5	6.2								
				2	2.6	6.0								
				3	2.8	6.0								
				4	3.2	6.0								
				5	3.2	6.1								
				6	3.2	6.0								
				7	3.1	5.9								
+ 5.6	0.0		1210	0	3.4	6.0								
				1	3.3	6.3								
				2	3.7	6.3								
				3	12.7	6.7								
				4	14.0	6.7								
				5	14.3	6.8								
				6	14.5	6.7								
				6.5	14.5	6.8								
+ 9.3	-0.8	6 Feb 76	1040	0	0.0	11.0							flood	
				1	0.0	11.0								
				2	0.1	11.0								

ALTAMAHA RIVER - CHAMPNEY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 8.8	0.0	6 Feb 76	1055	0	0.1	11.0							flood	Winker, 1976
				1	0.1	11.0								
				2	0.1	10.9								
				3	0.2	10.9								
+ 7.4	0.0		1110	0	0.1	11.0							flood	
				1	0.1	11.0								
				2	0.1	10.9								
				3	0.1	11.0								
				4	0.2	10.8								
				5	0.2	10.9								
+ 5.6	0.0		1140	0	2.7	11.5							ebb	
				1	2.7	11.3								
				2	3.2	11.4								
				3	4.0	11.0								
				4	5.2	11.1								
				5	5.3	11.0								
+ 9.3	-0.8	8 Mar 76	1310	0	1.5	20.4							1. fld.	
				1	1.6	20.6								
				2	1.6	20.3								
				3	1.8	20.3								
				4	1.8	20.2								
				5	1.8	20.2								
				5.5	1.8	20.3								

ALTAMAHA RIVER - CHAMPNEY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+11.6	0.0	8 Mar 76	1320	0	0.0	20.3								Winker, 1976
				2	0.1	20.4								
+ 8.8	0.0		1335	0	1.5	20.4							high	
				1	1.9	20.4								
				2.5	2.0	20.3								
+ 7.4	0.0		1345	0	4.7	20.6							high	
				1	5.2	20.4								
				2	5.8	20.2								
				3	6.2	20.0								
				4	7.1	20.0								
				5	7.4	20.0								
				6	7.5	19.8								
+ 5.6	0.0		1415	0	8.1	20.5							e.ebb	
				1	8.2	20.6								
				2	8.2	20.5								
				3	10.3	19.8								
				4	11.5	19.6								
				5	13.1	19.6								
				6	13.9	19.5								
+ 7.4	0.0		1045	0	0.0	18.3							flood	
				4	0.0	18.4								
+ 5.6	0.0		1105	0	0.5	18.3							1.fld.	
				1	0.7	18.3								
				2	0.8	18.3								
				3	0.8	18.3								
				4	1.2	18.3								
				5	3.3	18.3								

BUTLER RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+17.3	0.0	9 Sep 69	0945	0	0.0t	27.0					4.2	6.2		EPD, 1972	
		7 Oct 69	0800	0	0.0t	23.0					5.3	6.2			
		18 Nov 69	0900	0	0.1t	14.1							7.6		
		9 Dec 69	0935	0	1.0t	11.3						9.0	7.3		
		13 Jan 70	0920	0	0.0t	3.9						12.2	6.2		
		10 Feb 70	0908	0	0.0t	8.8				22		9.9	6.3		
		10 Mar 70	0910	0	0.0t	15.0				14		7.8	6.6		
		7 Apr 70	0850	0	0.0t	16.4				14		6.7	6.5		
		12 May 70	0805	0	0.0t	23.6				10		5.8	6.9		
		16 Jun 70	0745	0	0.0t	26.1				22		6.0	7.6		
		14 Jul 70	0750	0	0.3t	28.8						5.2	7.1		
		11 Aug 70	0815	0	0.1t	27.7				14		5.4	7.3		
		29 Sep 70	0803	0	0.2t	25.8				58		6.0	7.4		
		27 Oct 70	0855	0	0.9t	21.3				43		6.4	7.6		
		17 Nov 70	0903	0	0.1t	13.9				33		7.6	7.3		
		15 Dec 70	0857	0	0.8t	13.0				96		8.8	7.5		
		19 Jan 71	0915	0	0.0t	9.5				15		8.6	6.8		
		23 Feb 71	0843	0	0.0t	13.0				9		8.6	6.8		
		23 Mar 71	0910	0	0.0t	14.0				13		7.9	6.6		
		13 Apr 71	0853	0	0.0t	16.7				10		7.6	6.8		
		18 May 71	0755	0	0.0t	22.0				10		6.3	6.9		
		22 Jun 71	0925	0	0.1t	28.0				56		6.1	7.2		

BUTLER RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+17.3	0.0	20 Jul 71	0757	0	0.0t	29.0			23		5.1	7.0		EPD, 1972	
		24 Aug 71	0837	0	0.0t	27.0			16		4.5	6.6			
		21 Sep 71	0807	0	0.1t	28.0			17		5.6	7.0			
		27 Oct 71	0848	0	0.1t	22.0			9		6.3	7.1			
		30 Nov 71	0925	0	0.1t	14.5			79		8.4	7.3			
		11 Jan 72		0	0.0t	14.5			7		7.9	6.9		EPD, 1973a	
		15 Feb 72		0	0.0t	9.6			9		9.7	6.5			
		14 Mar 72		0	0.0t	15.8			14		8.5	7.1			
		11 Apr 72		0	0.0t	17.5			9		7.3	7.0			
		16 May 72		0	0.1t	23.8			27		7.0	7.2			
		13 Jun 72		0	0.3t	25.5			61		6.0	7.1			
		11 Jul 72		0	0.1t	26.5			40		6.1	7.2			
		15 Aug 72		0	0.1t	29.3			25		6.6	7.2			
		19 Sep 72		0	0.5t	29.4			29		5.8	7.2			
		31 Oct 72		0	2.5t	21.3			36		6.6	6.8			
		28 Nov 72		0	0.2t	12.8			21		8.4	7.2			
		16 Jan 73		0				7.5		14		10.4	6.7		EPD, 1974
		27 Feb 73		0			11.0		7		9.5	6.6			
		20 Mar 73		0				17.5		10		6.8	6.7		
		17 Apr 73		0				17.0		5		7.3	6.6		
		15 May 73		0				22.0		6		5.6	6.6		
12 Jun 73		0				24.5		22		5.3	6.9				

BUTTERMILK SOUND

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+17.7	0.0	13 Oct 59		0	8.1								l. fld.	Netheisel, 1965
				3	8.1									
				7	8.1									
+16.0	0.0			0	4.7								l. fld.	
				3.5	7.9									
				6	8.1									
+17.7	0.0	19 Oct 59		0	5.8								flood	
				5	8.8									
				9	6.4									
+16.0	0.0			1	3.1								flood	
				3	4.3									
				5	5.8									
+13.0	0.0			1	5.3								l. fld.	
				3.5	5.8									
				5	6.7									
+12.7	+0.9			0	4.8								high	
				2.5	5.4									
+13.1	+1.1			1	4.7								e. ebb	
				2	5.8									
				3.5	7.0									

BUTTERMILK SOUND

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+16.8	+0.1	12 Aug 68	1345	0	12.2	31.1	3		33	76t				Visher, 1974
				3.5	19.2	30.2	19		63.5	79t				
				7.5	25.6	30.0	25		27.5	81t				
+15.4	+0.1		1410	0	12.5	31.4	5		30	72t				
				3	19.2	30.0	5		43	64t				
				6	24.2	30.3	10		52.5	66t				
+13.7	+0.3		1445	0	11.8	31.6	10		20	81t				
				2.5	19.0	30.0	7		42	76t				
				5	20.6	30.3	3		57	58t				
+12.0	0.0	27 May 75	1300		0	27						6.0		Adams, 1976
			1400		0	27						6.0		
			1500		0	26.5						6.0		
			1600		0	26.5						6.0		
			1700		0	26.5						6.0		
			1800		0	26.5						6.0		
			1900		0	26.5						6.0		
			2000		0	26.5						6.5		
			2100		0	26.0						6.5		
			2200		0	27.0						6.5		
2300		0	27.0						6.5					

BUTTERMILK SOUND

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+12.0	0.0	27 May 75	2400		0	26.5						6.0		Adams, 1976		
			0100		0	26.0							6.0			
		28 May 75	0200		0	26.0							6.0			
			0300		0	26.0							6.5			
					0400		0	26.0					6.5			
					0500		0	26.0					6.5			
					0600		0	26.0					6.0			
					0700		0	25.5					6.0			
					0800		0	26.0					6.0			
					0900		0	26.0					6.0			
					1000		0	27.0					6.0			
					1100		0	27.0					6.0			
					1200		0	27.5					6.5			
					1300		0	27.0					6.0			
					1400		0	27.0					6.0			
					1500		0	27.0					6.0			
				23 Jul 75	0900		0	28.5							8.1	
					1000		0	28.5							8.3	
		1100			0	28.5						7.8				
		1200			0	28						7.9				
		1300			0	28						8.7				
		1400			0	29						8.2				
		1500			0	29						8.2				

BUTTERMILK SOUND

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+12.0	0.0	23 Jul 75	1600		0	28.5						7.1		Adams, 1976		
			1700		0	28						6.8				
			1800		0	27.5						7.9				
			1900		0	28						8.0				
			2000		0	28						7.9				
			2100		0	28						7.9				
			2200		0	27						7.9				
			2300		0	27						7.9				
			2400		0	26.5						7.9				
		24 Jul 75	0100		0	27								8.0		
			0200		0	27								8.1		
			0300		0	27								8.3		
			0400		0	27								8.2		
			0500		0	26.5								8.2		
			0600		0	26.5								8.2		
			0700		0	27								8.2		
			0800		0	27								8.0		
			0900		0	27.5								7.9		
			1000		0	29								7.9		
			1100		0	29								8.0		
		10 Sep 75	0900		1	28.9								7.4		
			1000		2	28.7								7.3		
			1100		2	29.5								7.4		

BUTTERMILK SOUND

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+12.0	0.0	10 Sep 75	1200		5	29						7.3		Adams, 1976		
			1300		5	28.5						7.4				
			1400		4	29						7.5				
			1500		5	29.5						7.3				
			1600		5	28						3.6				
			1700		4	29						5.5				
			1800		2	29						5.5				
			1900		1	29						6.0				
			2000		0	29						7.3				
			2100		0	29						7.3				
			2200		0	29						7.3				
			2300		2	29						7.4				
		11 Sep 75	2400		2	29								7.4		
			0100		1	29								7.4		
			0200		0	28.5								7.4		
			0300		1	29								7.3		
			0400		1	28.5								5.5		
			0500		1	29								5.5		
			0600		1	28.5								5.0		
			0700		0	28								5.0		
			0800		0	28								5.5		
			0900		0	28.5								5.0		

BUTTERMILK SOUND

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+12.0	0.0	5 Nov 75	1000		2	21						7.5		Adams, 1976		
			1100		2	23						7.3				
			1200		0	21							7.5			
			1300		2	21							7.4			
			1400		2	21.5							7.3			
			1500		0	21.5							7.4			
			1600		0	21.5							7.5			
			1700		0	21							7.7			
			1800		0	21							7.6			
			1900		0	21							7.2			
			2000		0	21							7.2			
			2100		0	21.5							7.1			
		2200		0	21							7.9				
		2300		0	21							7.7				
		2400		0	21							7.5				
		6 Nov 75			0100		0	21						7.2		
					0200		0	20.5						7.3		
					0300		0	20						7.7		
					0400		0	20						7.5		
					0500		0	20						8.0		
					0600		0	21						7.7		
					0700		0	21						7.5		
					0800		0	21						7.6		

BUTTERMILK SOUND

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+12.0	0.0	6 Nov 75	0900		0	22						7.5		Adams, 1976		
			1000		0	22						7.4				
			1100		1	22						7.4				
			1200		0	22						7.4				
		7 Jan 76	1000		0	9									7.7	
			1100		0	9									7.7	
			1200		0	9									7.7	
			1300		0	9									7.6	
			1400		0	9.5									7.9	
			1500		0	10									7.8	
			1600		0	10									8.1	
			1700		0	9.5									7.9	
			1800		0	8									7.2	
			1900			9									7.1	
			2000		0	9									7.0	
			2100		0	10									7.1	
			2200		0	10									7.5	
			2300			10									7.6	
			2400		0	10									7.6	
			8 Jan 76	0100		0	9									7.7
		0200				10									7.3	
		0300			0	11									7.4	
		0400			0	10									7.5	

BUTTERMILK SOUND

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+12.0	0.0	8 Jan 76	0500		0	10						7.5		Adams, 1976	
			0600		0	10						7.6			
			0700		0	10						7.6			
			0800		0	11						7.7			
			0900		0	11						7.8			
			1000		0							7.4			
			1100		0	10						7.6			
			1200		0	11						7.6			
			25 Feb 76	1000		0	16.5						6.9		
		1100		0	15							7.2			
		1200		0	16							7.0			
		1300		0	17.2							7.4			
		1400		0	17							7.5			
		1500		0	17							7.5			
		1600		0	8							7.3			
		1700		0	18							7.1			
		1800		0	15							7.2			
		1900		0								7.5			
		2000		0	16							7.2			
		2100		0	16							7.6			
		2200		0								7.7			
		2300		0	16							7.7			
		2400		0	15							7.8			

BUTTERMILK SOUND

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+12.0	0.0	26 Feb 76	0100		0	15						7.3		Adams, 1976
			0200		0	15						7.0		
			0300		0	15						7.6		
			0400		0	15.5						7.6		
			0500		0	16						7.5		
			0600		0	16						7.6		
			0700		0	15						7.4		
			0800		0	15						7.4		
			0900		0	16						7.2		
			1000		0	16						7.4		
			1100		0	16						7.4		
			1200		0	17						7.4		
+14.8	0.0	8 Mar 76	1200	0	0.4	20.4							l. fld.	Winker, 1976
				1	1.0	20.1								
				2	4.2	20.2								
				3	6.1	20.5								
				4	7.6	20.8								
+13.7	0.0		1215	0	0.5	20.2							high	
				1	0.6	20.0								
				2	3.0	20.2								
				3	3.9	20.4								
				4	5.7	20.5								
				5	6.2	20.7								

BUTTERMILK SOUND

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+10.6	0.0	8 Mar 76	1235	0	0.5	20.2							high	Winter, 1976	
				1	0.6	20.0									
				2	3.0	20.2									
				3	3.9	20.4									
				4	5.7	20.5									
		5	6.2	20.7											
		6 Apr 76	1030	0	3.4	21.1								flood	
				1	3.6	21.2									
				2	3.6	21.1									
				3	3.7	21.2									
4	3.7			21.1											
+12.0	0.0	21 Apr 76	1000		1	23.5						7.6		Adams, 1976	
			1100		0	24						7.3			
			1200			24.5						7.4			
			1300		0	24						7.4			
			1400		1	24						7.6			
			1500		4	24						7.2			
			1600		0	24						7.6			
			1700		0	24						7.6			
			1800		0	24						7.6			
			1900		0	24						7.6			
			2000		0	24						7.7			
			2100		0	24						8.0			
			2200		0	24						7.9			
			2300		0	24						7.8			
2400		0	24						7.7						

BUTTERMILK SOUND

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+12.0	0.0	22 Apr 76	0100		0	24						7.7		Adams, 1976
			0200		0	24							7.3	
			0300		0	23.5							7.5	
			0400		0	24							7.4	
			0500		0	24							7.6	
			0600		0	24							7.2	
			0700		0	24							7.1	
			0800		0	24							7.1	
			0900		0	24							7.2	
			1000		0	24							7.1	
			1100		0	24.5							7.1	
			+13.7	0.0	5 May 76	1030	0	1.6	22.3					
	1	1.4				22.1								
	2	2.0				22.1								
	3	2.6				22.1								
	4	5.1				21.9								
	4.5	5.2				21.9								
+14.8	0.0		1045	0	1.2	22.3							l. fld.	
				1	1.5	22.2								
				2	4.8	22.0								
				3	6.9	21.8								
				4	7.4	21.8								

SOUTH CHANNEL

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 7.7	-0.5	3 Apr 68	1607	0	29.2	17.9	31	360		76t	9.0			Kuroda & Marland, 1973
				1.5	30.3	17.4	15	090	75t	9.2				
				3	33.2	15.9	21	360	73t	9.3				
				6	33.2	15.0	21	360	72t	8.4				
- 7.7	-0.5	30 Apr 68	1542	0	27.3	22.8	26	085		85t	8.7			
				1.5	29.0	22.1	15	180	90t	8.2				
				3	32.1	21.8	10	300	98t	7.1				
				4.5	32.4	21.6	5	360	95t	6.7				
- 3.3	-0.7	16 May 68	1620	0	19.9	25.4	51	135			6.5			
				1.5	20.8	25.3	36			6.3				
- 7.7	-0.5	29 Jul 68	1500	0	32.2	32.5	46	045		96t	5.6			
				1.5	34.7	30.6	21	115	99t	5.7				
				3	35.0	29.9	10	180	99t	5.5				
				4.5	35.1	29.7	10	225	99t	5.4				
- 3.3	-0.7	8 Aug 68	1415	0	33.1	33.1	10	342			6.3			
- 7.7	-0.5	30 Oct 68	1503	0	32.2	20.8	10	337		97t	8.4			
				1.5	31.9	20.7	10		96t	8.3				
				3	32.5	20.5	15		96t	8.2				
				6	32.7	20.7	15		93t	7.9				

SOUTH CHANNEL

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
- 3.3	-0.7	6 Nov 68	1300	0	30.4	20.4	26	135						Kuroda & Marland, 1973	
				1.5	30.7	20.3	26								
- 7.7	-0.5	6 Feb 69	1356	0	34.1	10.9	41	080			7.0				
				1.5	34.4	10.7	31	080			6.9				
				3	34.7	10.7	15	020			6.7				
				6	35.0	10.7	10	315			6.5				
- 1.7	-0.2	7 Jul 69	----	0	33.8	30.5	27	280						Visher, 1974	
				b	33.5	30.2	23	285							
- 2.3	+0.6		----	0	32.9	30.4	26	300							
- 1.3	+0.1		----	0	34.0	30.4	31	285							
				m	34.0	30.3	29	265							
				b	34.1	30.2	28	260							
+ 5.6	0.0	6 Apr 76	1145	0	1.6	18.3							high	Winker, 1976	
				1	2.1	18.3									
				2	3.9	18.2									
				3	4.3	18.2									
				4	4.5	18.2									
				5	4.6	18.2									
				6	4.8	18.2									
+ 2.0	0.0		1205	0	9.1	18.5							high		
				1	9.1	18.5									
				2	16.3	18.4									
				3	25.9	18.7									
				4	26.8	18.7									
				5	27.0	18.8									

SOUTH CHANNEL

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 0.8	0.0	6 Apr 76	1215	0	8.4	18.5							high	Winker, 1976
				1	20.0	18.6								
				2	24.0	18.8								
				3	26.6	18.8								
				4	28.2	18.8								
				5	28.3	18.8								
				6	28.3	18.7								
				7	28.6	18.8								
				8	28.9	18.8								
				9	28.9	18.8								
				10	29.0	18.8								
				11	29.0	18.8								
				12	29.0	18.8								

HAMPTON RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+19	0.0	19 Oct 59	----	0	5.4								ebb	Neiheisel, 1965
				2	5.8									
				4	8.2									
- 5.2	+0.7	16 May 68	1705	0	31.0	25.7	21	135			8.7			Kuroda & Marland, 1973
				1.5	31.4	25.3	31				8.3			
+11.6	0.0	15 Aug 68	1025	0	27.3	31.6	40		4.0	97t				Visher, 1974
				3.5	29.2	31.3	40			93t				
				7.5	29.6	30.0	23		7.0	90t				
+ 9.9	+0.1		1050	0	30.0	31.6	31		10.0	97t				
				3	30.2	31.4	39		11.0	96t				
				6.5	30.4	31.2	10		15.5	95t				
+ 5.3	-0.1		1130	0	33.4	30.8	51		8.5	97t				
				3.5	33.4	30.5	50		11.0	96t				
				7.5	33.4	30.3	40		16.0	93t				
+ 2.7	-0.1		1205	0	34.7	29.6	40		9.0	95t				
				5.5	34.8	29.4	40		16.5	95t				
				10.5	34.8	29.4	52		19.0	93t				
+ 0.9	0.0		1224	0	35.0	30.0	40		10.0	94t				
				m	35.0	29.8	40		13.5	93t				
				12	34.8	29.8	40		20.0	93t				

HAMPTON RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 1.8	-0.1	15 Aug 68	1250	0	34.6	30.1	21		12.5	96t				Visher, 1974
				4.5	34.8	30.0	25		8.0	97t				
				9.5	35.0	29.8	21		11.0	97t				
- 5.2	+0.7		1300	0		30.9	31							Kuroda & Marland, 1973
				1.5		30.8	26							
				3		30.7	26							
		6 Nov 68	1234	0	33.0	20.2	36	067						
				1.5	33.1	20.1	36							
				2	33.2	20.2	36							

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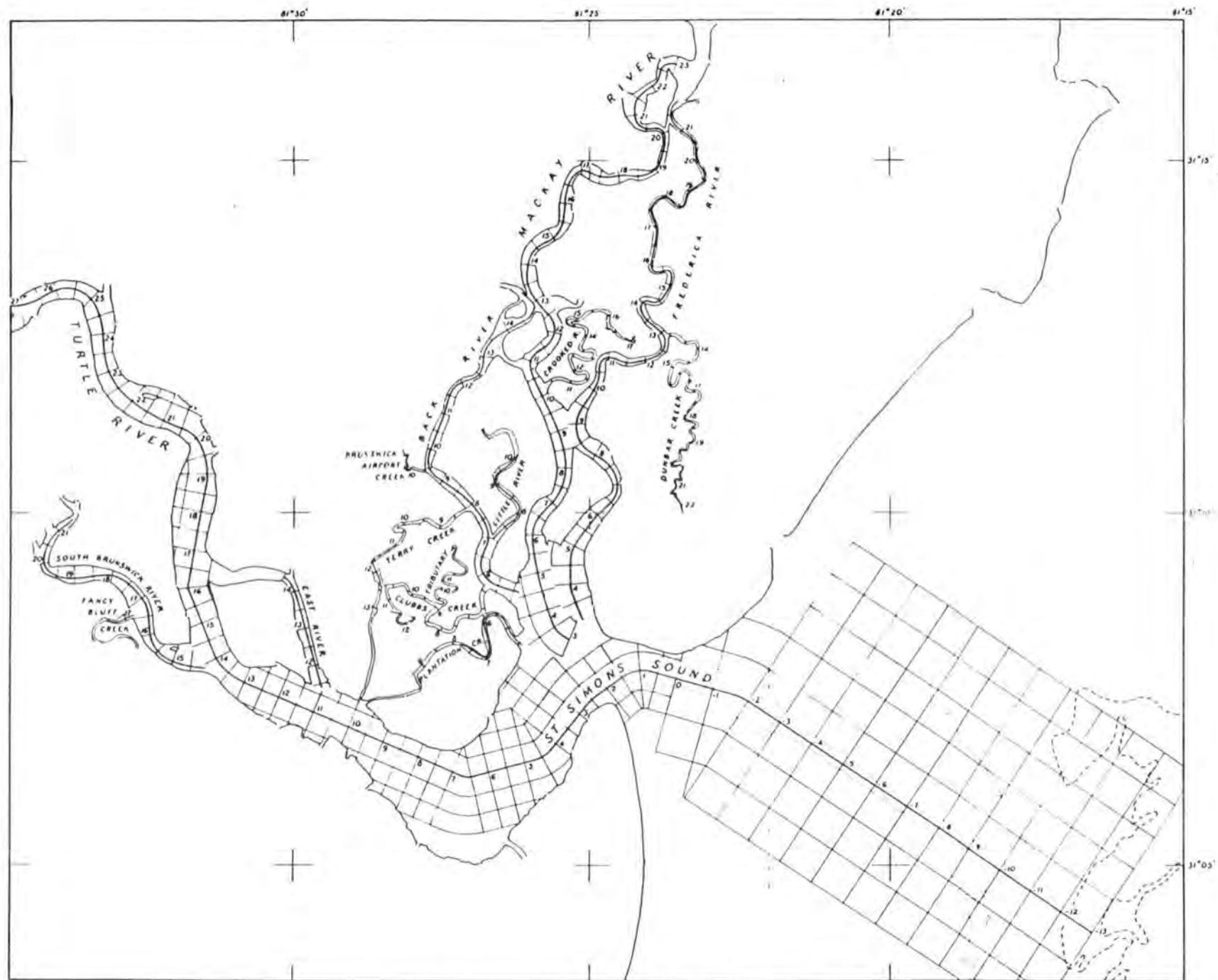


Figure 8. Station Locations, St. Simons Section

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
- 1.0	+1.5	2 Apr 53	1415		26.2	20.0								Miller & Jorgenson, 1969	
		9 Apr 53	0915		27.2	20.6									
		10 Apr 53				25.4									
		22 Apr 53	1030		24.2	20.0									
		6 May 53	0820		27.3	25.0									
		20 May 53	0930		26.6	25.0									
		4 Jun 53	0915		29.7	26.0									
		13 Jun 53	0915		32.8	26.5									
		3 Jul 53	0845		32.8	29.0									
		21 Jul 53	0950			29.0									
		11 Aug 53	1540		33.0	31.2									
		26 Aug 53	1430		26.4	26.0									
		9 Sep 53	1330		30.4	26.5									
		8 Dec 53	1315		31.0	17.5									
		15 Jan 54	1310		25.0	12.0									
		24 Jan 54	1340		24.2	12.0									
		12 Feb 54	0830		28.3	12.0									
		11 Mar 54	0850		28.5	13.4									
		29 Mar 54	0900		28.6	19.5									

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 1.0	+1.5	16 Apr 54	1240		26.9									Miller & Jorgenson 1969
		4 May 54	1245		30.0	26.5								
		18 May 54	1150		29.9	26.0								
		3 Jun 54	1345		30.7	28.5								
		17 Jun 54	----		32.6									
		6 Jul 54	1000		31.8	28.9								
		21 Jul 54	0830		33.4	28.3								
		6 Aug 54	---		33.9	29.4								
		19 Aug 54	0850		35.0	29.4								
		6 Sep 54	0930		34.5	28.9								
		29 Oct 54	1245		32.2	21.1								
		19 Nov 54	0900		32.7	17.8								
		11 Mar 55	1245		31.1	17.7								
		25 Mar 55	1220		32.6	20.7								
		8 Apr 55	1335		32.9	20.7								
		25 Apr 55	1245		33.1	24.4								
		9 May 55	1345		30.7	26.1								
		24 May 55	1245		31.3	28.4								

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
- 1.0	+1.5	9 Jun 55	1400		33.5	26.3								Miller & Jorgenson, 1969	
		22 Jun 55	1320		34.0	29.0									
		8 Jul 55	1400		34.4	30.4									
		22 Jul 55	1345		35.2	32.1									
		5 Aug 55	1300		35.0	32.5									
		19 Aug 55	1415		33.3	31.2									
		6 Sep 55	1350		32.8	30.8									
		19 Sep 55	1330		28.4	25.6									
		5 Oct 55	1230		27.8	26.1									
		14 Oct 55	1220		26.8	24.2									
		3 Nov 55	1240		30.3	20.5									
		16 Nov 55	1245		30.3	21.6									
		2 Dec 55	1215		31.2	14.4									
		19 Dec 55	1255		31.3	10.8									
		4 Jan 56	1310		32.0	10.8									
			1340			10.8									
		16 Jan 56	1250		32.3	9.1									
		30 Jan 56	1305		31.5	13.0									
		15 Feb 56	1230		31.5	15.8									
		29 Feb 56	1305		30.6	15.8									
	1330		30.5	16.1											

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
- 1.0	+1.5	7 Nov 56	0910		31.4									Miller & Jorgenson, 1969		
		20 Nov 56	1340		31.8	19.0										
					1510		31.6	18.8								
				4 Dec 56	1310		32.4	14.3								
				19 Dec 56			33.2	18.0								
				8 Jan 57	0850		32.7	11.0								
				1 Feb 57	1330		30.8	19.0								
				15 Feb 57	1300		31.9	16.5								
				5 Mar 57	1400		31.7	13.6								
					1500		31.8	13.8								
				18 Mar 57	1300		30.9	18.5								
				3 Apr 57	1400		28.5	21.5								
				16 Apr 57	1245		25.8	18.8								
					1420		26.9	19.0								
				2 May 57	1315		25.9	26.0								
				16 May 57	1320		26.8	28.2								
				31 May 57	1255		30.0	28.0								
					1500		28.3	27.9								
				14 Jun 57	1320		23.6	30.1								

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
- 1.0	+1.5	7 Feb 58	1245		28.6	11.5								Miller & Jorgenson 1969		
			1335		26.3	10.5										
		24 Feb 58	1215		24.0	10.4										
			1415		26.3	10.5										
		10 Mar 58	1330		27.9	13.8										
			1415		27.5	14.8										
		7 Apr 58	1310		23.6	19.2										
			1430		22.6	18.5										
		23 Apr 58	----		21.3	21.8										
		7 May 58	1400		23.6	21.0										
			21 May 58	1235		27.9	25.0									
		4 Jun 58	1245		27.3	27.8										
			1400		27.9	27.2										
		20 Jun 58	1430			29.0										
		3 Jul 58	1300		28.3	29.0										
			1420		30.6	31.6										
		21 Jul 58	1330		32.8	31.2										
		1 Aug 58				32.9	31.5									
			18 Aug 58			33.0	28.4									

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEP TH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
- 1.0	+1.5	11 May 59	1330		29.2	27.2								Miller & Jorgenson, 1969		
		25 May 59			30.1	27.2										
		9 Jun 59	1345		27.1	29.0										
		23 Jun 59	1300		27.1	30.0										
		9 Jul 59	1400		30.7	31.0										
			1500		29.7	31.3										
		23 Jul 59	1330		31.3	32.2										
		7 Aug 59	1445		30.8	31.0										
		21 Aug 59	1320		32.0	33.0										
		8 Sep 59	1430		33.4	30.5										
			1510		33.3	29.8										
		21 Sep 59	1400		28.0	27.3										
		6 Oct 59	1330		29.4	28.5										
		20 Oct 59	1400		29.4	23.9										
		6 Nov 59	0900		26.0	22.1										
		2 Dec 59	1400		28.4	13.0										
		18 Dec 59	1430		28.0	14.8										
		31 Dec 59	1300		28.6	12.9										
		18 Jan 60	1400		28.6	14.8										

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 1.0	+1.5	1 Feb 60	----		28.4	12.2								Miller & Jorgenson, 1969
		15 Feb 60	1415		26.4	13.6								
		29 Feb 60	1330		21.8	16.0								
		16 Mar 60	1345		21.0	11.4								
		29 Mar 60	1350		22.8	17.0								
		13 Apr 60	1330			22.7								
		14 Apr 60	1350		20.4	21.1								
		29 Apr 60	1400		17.8	22.6								
			1500		22.6	22.6								
		25 May 60	1330		27.1	30.1								
		12 Jun 60	1500		31.0	27.1								
		22 Jun 60	1415		32.5	29.1								
		11 Jul 60	1550		31.9	29.5								
		17 Jul 60	1345		31.5	33.5								
		27 Jul 60	1515		31.0	32.2								
		10 Aug 60	1330		33.0	32.3								
			1430		32.9	31.5								
		26 Aug 60	1353		32.2	30.0								
			1445		32.6	30.6								
		8 Sep 60	1300		30.9	28.8								
			1400		31.4	29.2								
		23 Sep 60			29.3	26.8								

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
- 1.0	+1.5	6 Oct 60	1245		30.0	29.2								Miller & Jorgenson, 1969	
			1330		29.2	28.5									
		21 Oct 60	1300		29.7	23.9									
			1430		27.0	23.0									
		7 Nov 60	1345		30.5	18.5									
			1430		30.6	18.2									
		21 Nov 60	1330		31.0	19.8									
			---		31.1	20.0									
		6 Dec 60	1145		31.0	15.8									
			1300		30.8	13.8									
		20 Dec 60	1330		30.9	10.1									
		4 Jan 61	1300		30.9	11.2									
			1315		30.8	10.8									
		18 Jan 61	1355		30.8	13.0									
					30.5	12.4									
		2 Feb 61	1225		30.1	11.0									
			1300		30.5	11.5									
		16 Feb 61	1200		30.7										
		6 Mar 61	1220		31.5	21.0									
			1315		31.4	20.8									
		17 Mar 61	1145		29.0	19.0									
1310			28.6	18.1											

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+2.3	-0.1	29 Oct 70	0601	0			40	290						Howard, 1971
				4.5			37	260						
				9			37	260						
				13.5			34	260						
+2.2	+0.5		0630	0	30.8	20.6			76					
				4.5	31.7	20.5			120					
				8.5	32.5	20.4			110					
+2.3	-0.1		0630	0	31.1	20.5			78					
				4.5	31.3	20.7			158					
				9	31.4	20.6								
				13.5	31.6	20.4								
+2.2	+0.5		0701	0			37	290						
				5			49	270						
				10			43	250						
+2.3	-0.1		0716	0			27	265						
				5			21	265						
				10			30	260						
				14.5			27	230						
+2.2	+0.5		0730	0	30.5	20.8			58					
				4.5	31.3	20.5			64					
				8.5	32.6	20.4			102					

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.3	-0.1	29 Oct 70	0730	0	31.3	20.6			168	168				Howard, 1971
				4.5	31.4	20.5			99	99				
				9	31.5	20.6								
				13.5	32.1	20.4			92	92				
+ 2.2	+0.5		0805	0			15	275						
				4.5			27	255						
				9			26	245						
			0830	0	31.0	20.7			210					
				4.5	31.9	20.6			54					
				8.5	32.6	20.4			82					
+ 2.3	-0.1		0830	0	31.6	20.7			218					
				4.5	31.6	20.7			58					
				9	32.3	20.6			70					
				13.5	32.4	20.5			112					
			0851	0			9	60						
				5			9	60						
				10			6	160						
				14.5			5	210						
+ 2.2	+0.5		0905	0			14	115						
				4.5			17	165						
				9			15	150						

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.3	-0.1	29 Oct 70	0930	0	31.2	21.0			20					Howard, 1971
				4.5	32.1	20.6			32					
				9	32.1	20.5			50					
				13.5	32.4	20.5			58					
+ 2.2	+0.5		0930	0	31.1	20.8			52					
				4.5	31.8	20.6			14					
				8.5	32.4	20.5			90					
			1000	0			55	140						
				3.5			52	140						
				7.5			37	125						
+ 2.3	-0.1		1016	0			76	060						
				5			70	075						
				10			61	080						
				14			46	100						
+ 2.2	+0.5		1030	0	31.4	21.0			50					
				4.5	31.3	20.8			78					
				8.5	31.6	20.7			100					
+ 2.3	-0.1		1030	0	31.0	21.0			98					
				4.5	31.3	20.8			96					
				9	31.3	20.5			74					
				13.5	31.5	20.7								

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.2	+0.5	29 Oct 70	1110	0			55	050						Howard, 1971
				4			55	075						
				8.5			43	105						
			1130	0	30.9	21.0			244					
				4.5	31.0	20.8			112					
				8.5	30.8	20.8			168					
+ 2.3	-0.1		1130	0	29.3	21.4			36					
				4.5	30.6	21.1			114					
				9	30.7	21.0			172					
				13.5	30.7	20.8			250					
+ 2.2	+0.5		1215	0			80							
			1218	0			118							
			1230	0	28.7	21.2			180					
				4.5	29.3	21.4			50					
				8.5	29.8	20.9			184					
+ 2.3	-0.1		1230	0	28.3	21.3			36					
				4.5	28.7	21.3			74					
				9	29.0	21.0			88					
				13.5	29.4	20.9			70					

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.2	+0.5	29 Oct 70	1330	0	27.8	21.4			44					Howard, 1971
				4.5	28.0	21.2			32					
				8.5	28.8	21.2			634					
+ 2.3	-0.1		1330	0	27.7	21.2								
				4.5	27.8	21.2			22					
				9	28.1	21.0			84					
				13.5	28.3	21.3			46					
			1340	0			61	060						
+ 2.2	+0.5		1430	0	25.7	21.3			48					
				4.5	26.6	21.4			18					
				8.5	28.1	21.0			108					
+ 2.3	-0.1		1430	0	27.5	21.3			88					
				4.5	27.6	21.2			22					
				9	28.0	21.2			44					
				13.5	28.5	21.1			100					
+ 2.2	+0.5		1435	0			51	250						
+ 2.3	-0.1		1443	0			< 9							
			1450	0			30	235						
			1507	0			51	220						
+ 2.2	+0.5		1525	0			51	250						

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.3	-0.1	29 Oct 70	1530	0	27.2	21.4			8					Howard, 1971
				4.5	28.2	21.3			54					
				9	28.7	21.5			42					
				13.5	28.9	21.6			140					
+ 2.2	+0.5		1530	0	26.9	21.3			28					
				4.5	28.5	21.3								
				8.5	29.0	21.0			128					
+ 2.3	-0.1		1600	0			76	245						
+ 2.2	+0.5		1630	0	27.9	21.2			24				flood	
				4.5	28.9	21.2								
				8.5	29.0	21.0			176					
+ 2.3	-0.1		1630	0	28.5	21.2			130					
				4.5	28.9	21.2			38					
				9	29.5	21.5			56					
				13.5	29.9	21.2			90					
+ 2.2	+0.5		1635	0			76	260					flood	
+ 2.3	-0.1		1717	0			83	240					flood	
+ 2.2	+0.5		1730	0	29.4	21.2	76	260	182				flood	
				4.5	30.1	21.2			120					
				8.5	30.5	21.0		245	40					

ST. SIMON'S SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.3	-0.1	29 Oct 70	1730	0	30.5	21.4			124					Howard, 1971
				4.5	30.9	21.4			92					
				9	31.2	21.6			152					
				13.5	31.1	21.3								
+ 3.5	+0.7	23 Jul 71	0745	0	32.3	29.0					5.2		l. fld.	May et al., 1972
				b	32.6	28.9				4.0				
+ 7.7	-0.9		0833	0		29.1					4.9		l. fld.	
				b		29.1				4.2				
+17.5	+0.1		0934	0	28.0	29.9					2.5		l. fld.	
				b	27.3	29.6				2.9				
+ 3.5	+0.7		1326	0	29.3	29.5					4.7		l. ebb	
				b	29.5	29.6				4.2				
+ 7.7	-0.9		1405	0	26.8	30.1					3.9		l. ebb	
				b	26.9	29.9				3.2				
+17.3	+0.1		1535	0	20.2	30.0					2.2		low	
				b	23.5	29.8				1.7				
+ 3.5	+0.7	30 Aug 71	0755	0	21.8	28.5					3.6		l. ebb	
				b	23.2	28.7				3.4				

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 7.7	-0.9	30 Aug 71	0845	0	16.7	29.3					1.7		l. ebb	May, et al., 1972
				b	18.6	29.0						1.6		
+17.3	+0.1		0945	0	10.0	29.3					2.8		l. ebb	
				b	18.2	29.5						1.2		
+18.8	0.0		---	0	9.1	29.0					1.8			
				b	15.4	29.3						1.1		
+ 3.5	+0.7		1440	0	26.3	30.7					4.5		l. fld.	
				b	27.8	29.8						4.4		
+ 7.7	-0.9		1517	0	21.1	30.6					5.9		l. fld	
				b	24.1	29.8						4.5		
+17.3	+0.1		1607	0	17.0	30.5					4.3		l. fld.	
				b	25.5	29.9						3.9		
+ 3.5	+0.7	28 Sep 71	0707	0	24.2	26.5					5.7		l. ebb	
				b	24.9	26.6						5.5		
+ 7.7	-0.9		0755	0	22.2	26.7					4.2		l. ebb	
				b	22.1	26.8						4.0		
+17.3	+0.1		0848	0	18.7	27.1					3.0		l. ebb	
				b	20.6	27.3						3.0		
+ 3.5	+0.7		1400	0	25.8	28.4					5.7		l. fld.	
				b	27.0	27.9						5.3		

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 7.7	-0.9	28 Sep 71	1446	0	23.2	27.8					5.7		flood	May, et al., 1972
				b	23.2	27.8				5.6				
+17.3	+0.1		1540	0	21.9	28.0					4.1		flood	
				b	22.1	27.9				4.0				
+ 3.5	+0.7	2 Nov 71	0635	0	28.3	24.0					5.4		flood	
				b	28.4	24.0				5.2				
+17.3	+0.1		---	0	23.4	23.7					4.6		flood	
				b	23.7	23.7				4.4				
+18.8	0.0		0815	0	23.2	24.3					3.8		flood	
				b	23.2	24.0				3.7				
+24.1	+0.2		0845	0	22.3	23.9					3.2		flood	
				b	22.7	23.9				3.1				
+ 3.5	+0.7		1330	0	22.8	25.2					3.9		ebb	
				b	23.0	24.7				3.8				
+ 7.7	-0.9		1410	0	22.6	25.3					3.5		ebb	
				b	23.0	25.1				3.5				
+17.3	+0.1		1455	0	19.6	26.5					2.5		flood	
				b	20.1	28.5				2.3				
+18.8	0.0		1505	0	19.7	25.8					2.7		flood	
				b	20.1	25.5				2.5				

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+24.1	+0.2	2 Nov 71	1525	0 b	18.5 18.7	26.3 25.7					3.3 3.2		flood	May, et al., 1972
+ 3.5	+0.7	30 Nov 71	0530	0 b	28.5 28.7	15.9 16.1					7.6 7.3		flood	
+ 7.7	-0.9		0620	0 b	27.3 27.3	14.4 14.8					7.6 7.4		flood	
+17.3	+0.1		0725	0 b	25.6 25.7	14.0 14.7					6.9 6.9		flood	
+18.8	0.0		0750	0 b	24.9 25.4	14.6 15.0					6.7 7.1		flood	
+24.1	+0.2		0805	0 b	23.7 23.7	14.6 15.0					5.6 5.3		flood	
+ 3.5	+0.7		1140	0 b	24.0 24.5	17.6 17.0					6.5 6.3		ebb	
+ 7.7	-0.9		---	0 b	23.7 24.0	16.5 16.5					5.6 5.4		ebb	
+17.3	+0.1		---	0 b	21.4 21.7	17.3 16.9					4.3 4.3		ebb	
+18.8	0.0		1325	0 b	21.8 21.9	16.4 16.4					4.8 4.7		ebb	

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+24.1	+0.2	30 Nov 71	1345	0 b	20.9 21.0	16.4 16.4					5.2 5.1		ebb	May et al., 1972
+ 3.5	+0.7	14 Dec 71	0525	0 b	26.6 27.8	18.4 17.5					6.2 6.1		flood	
+ 7.7	-0.9		0610	0 b	24.2 24.9	16.9 16.7					6.3 6.1		flood	
+17.3	+0.1		0710	0 b	22.7 23.0	17.0 17.1					4.1 4.3		high	
+18.8	0.0		0720	0 b	22.7 23.0	17.0 17.0					4.3 4.6		ebb	
+24.1	+0.2		----	0 b	21.6 21.7	17.6 17.8					3.4 2.9		flood	
+ 3.5	+0.7		1005	0 b	22.4 23.6	18.8 18.1					4.5 4.6		ebb	
+ 7.7	-0.9		1205	0 b	21.9 21.9	19.9 19.9					5.0 5.0		ebb	
+17.3	+0.1		1255	0 b	20.4 21.1	20.6 19.8					2.2 2.0		ebb	

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+18.8	0.0	14 Dec 71	1300	0	20.6	19.7					2.8		ebb	May, et al., 1972
				b	21.0	19.4					2.5			
+24.1	+0.2		1325	0	19.0	21.2					4.5		flood	
				b	19.7	20.3					3.9			
+ 3.5	+0.7	1 Feb 72	0820	0	22.6	14.7					6.9		flood	
				b	23.9	14.1					6.7			
+ 7.7	-0.9		0904	0	17.9	13.9					7.2		flood	
				b	18.0	14.2					6.9			
+17.3	+0.1		0945	0	15.3	14.4					6.0		flood	
				b	15.4	14.7					6.1			
+18.8	0.0		0950	0	15.1	14.7					5.3		flood	
				b	15.3	15.1					5.2			
+24.1	+0.2		1015	0	14.8	14.5					5.1		flood	
				b	14.7	15.2					4.8			
+ 3.5	+0.7		1435	0	16.2	14.7					7.2		ebb	
				b	16.8	14.6					6.8			
+ 7.7	-0.9		1505	0	14.6	14.5					6.3		ebb	
				b	14.6	14.6					6.2			
+17.3	+0.1		1600	0	13.6	15.9					4.5		ebb	
				b	13.6	15.6					4.2			

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+18.8	0.0	1 Feb 72	1610	0 b	12.7 13.1	15.4 15.6					4.2 3.9		ebb	May, et al., 1972
+24.1	+0.2		---	0 b	13.3	15.3 15.3					4.9 4.7		ebb	
+ 3.5	+0.7	3 Mar 72	0900	0 b	19.2 20.0	16.5 16.2					5.9 5.8		flood	
+ 7.7	-0.9		0938	0 b	15.8 16.8	16.4 15.9					5.6 5.5		flood	
+17.3	+0.1		1055	0 b	13.7 14.6	16.9 16.4					5.5 5.4		flood	
+18.8	0.0		----	0 b	13.6 14.4	16.5 16.1					5.3 5.3		flood	
+24.1	+0.2		---	0 b	11.0 11.5	17.8 17.2					4.8 4.5		flood	
+ 3.5	+0.7		1545	0 b	15.1 16.0	18.8 18.3					5.3 5.4		ebb	
+ 7.7	-0.9		1630	0 b	13.8 14.7	18.5 18.0					5.0 5.2		ebb	

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+17.3	+0.1	3 Mar 72	1712	0	10.6	18.8					4.2		ebb	May, et al., 1972
				b	11.8	17.9					4.0			
+18.8	0.0		1725	0	10.4	18.3					4.6		ebb	
				b	11.3	17.9				4.2				
+24.1	+0.2		1748	0	8.1	19.2					5.3			
				b	8.2	19.3			5.3					
+ 3.5	+0.7	31 Mar 72	0850	0	24.8	18.2					6.8		flood	
				b	25.4	18.0			6.7					
+ 7.7	-0.9		0930	0	22.2	17.1					6.4		flood	
				b	23.0	17.3			6.0					
+17.3	+0.1		1025	0	20.4	16.6					5.6		ebb	
				b	21.2	16.8			5.6					
+18.8	0.0		1035	0	19.9	17.0					5.6		ebb	
				b	20.6	17.2			5.2					
+24.1	+0.2		1058	0	16.5	16.9					5.1		flood	
				b	17.4	17.2			4.6					
+ 3.5	+0.7		1450	0	21.4	16.7					6.6		ebb	
				b	21.4	16.9			6.0					
+ 7.7	-0.9		1525	0	19.9	16.5					5.8		ebb	
				b	19.9	16.5			5.8					

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+17.3	+0.1	31 Mar 72	1620	0	15.9	16.6					4.7		ebb	* May, et al., 1972
				b	17.0	16.9						4.5		
+18.8	0.0		1625	0	15.6	16.4					4.9		ebb	
				b	16.3	17.1						4.6		
+24.1	+0.2		1648	0	13.3	16.4					5.5		ebb	
				b	13.5	16.8						5.1		
+ 3.5	+0.7	3 May 72	0445	0	22.4	23.0					4.6		ebb	
				b	22.5	23.0						4.5		
+ 7.7	-0.9		0525	0	21.9	22.7					4.5			
				b	22.0	23.0						4.4		
+17.3	+0.1		0615	0	18.4	23.1					2.7		ebb	
				b	18.8	22.9						2.6		
+18.8	0.0		---	0	18.4	23.0					2.9		ebb	
				b	18.8	22.9						2.5		
+24.1	+0.2		0700	0	16.4	23.1					4.3		ebb	
				b	16.5	23.2						4.1		
+ 3.5	+0.7		1030	0	25.0	24.0					5.2		ebb	
				b	25.2	23.5						4.8		
+ 7.7	-0.9		1110	0	22.6	23.5					5.6		flood	
				b	23.2	23.1						5.4		

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+17.3	+0.1	3 May 72	1205	0 b	20.9 21.4	23.7 23.7					3.5 3.8		flood	May, et al., 1972
+18.8	0.0		---	0 b	20.4 20.9	23.7 23.4					3.2 3.5		flood	
+24.1	+0.2		1245	0 b	18.2 18.3	24.4 23.7					2.7 2.1		flood	
+ 3.5	+0.7	30 May 72	0800	0 b	23.2 23.5	23.7 23.4					5.0 4.9		flood	
+ 7.7	-0.9		0837	0 b	20.5 20.8	24.9 24.1					4.0 3.9		flood	
+17.3	+0.1		0925	0 b	21.3 21.5	24.6 24.1					3.8 3.2		flood	
+18.8	0.0		---	0 b	21.4 21.6	23.9 23.8					3.9 3.7		flood	
+24.1	+0.2		---	0 b	20.5 20.8	24.1 24.0					3.6 3.1		flood	
+ 3.5	+0.7		1400	0 b	20.8 20.9	24.4 23.9					4.3 4.1		ebb	
+ 7.7	-0.9		1455	0 b	21.4 21.5	24.5 24.3					4.5 4.1		ebb	

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+17.3	+0.1	30 May 72	1542	0	20.3	24.8					3.2		ebb	May, et al., 1972
				b	20.5	24.5					2.9			
+18.8	0.0		----	0	20.3	24.5					3.4		ebb	
				b	20.5	24.6					2.9			
+24.1	+0.2		----	0	19.0	24.9					4.7		ebb	
				b	19.0	25.0					4.6			
+15.3	0.0	8 Aug 73	----	0	22 r	29					5.3	7.1		Dunstan & Stickney, 1974
				b	23 r	29					5.0	7.3		
+11.0	+0.4		----	0	23 r	29.5					5.3	7.4		
				b	25 r	29					5.2	7.5		
+22.8	0.0	11 Sep 73	----	0	16.1t	29.7					4.4	7.7		BJC, 1975
+ 2.0	+0.1			0	26.4t	29.8					5.4			
+22.8	0.0	9 Oct 73	----	0	19.0t	26.2					7.3	7.7		
+ 2.0	+0.1			0	24.4t	26.6					7.4			
+22.8	0.0	13 Nov 73	----	0	25.8t	17.4					9.0	7.9		
+ 2.0	+0.1			0	28.9t	16.8					8.8			
+22.8	0.0	18 Dec 73	----	0	24.8t	11.5					8.7	7.3		
+ 2.0	+0.1			0	28.4t	11.5					8.9	7.9		

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+22.8	0.0	22 Dec 73	0945	0	25.5	10.3						10.6	7.3		BJC, 1975	
				b	25.5	10.8						10.1	7.3			
			1045	0	24.8	10.2							10.1			7.3
				b	25.5	10.5						9.6	7.3			
			1145	0	24.1	9.5							9.8			7.3
				b	24.8	10.2						9.7	7.3			
			1245	0	24.8	9.7							9.6			7.3
				b	24.8	9.8						9.7	7.3			
			1345	0	24.8	9.8							13.9			7.3
				b	24.1	9.8						13.7	7.3			
			1445	0	24.8	10.0							10.0			7.3
				b	25.5	10.3						9.7	7.3			
			1545	0	25.5	10.3							10.1			7.3
				b	24.8	10.7						9.7	7.3			
+ 2.0	+0.1	27 Dec 73	1050	0	29.1	12.0					10.0	7.3				
				b	29.1	12.0					9.9	7.3				
			1150	0	28.4	11.3						9.5			7.3	
				b	29.1	12.2						9.7			7.3	

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.0	+0.1	27 Dec 73	1250	0	27.7	12.3					9.1	7.3		BJC, 1975
				b	27.7	12.5				9.4	7.3			
			1350	0	26.9	12.7					9.0	7.3		
				b	27.7	12.7				9.2	7.3			
			1450	0	26.9	12.7					8.9	7.3		
				b	26.9	12.7				9.1	7.3			
			1550	0	26.9	12.7					9.0	7.3		
				b	27.7	12.8				8.9	7.3			
			1650	0	26.9	12.7					8.9	7.3		
				b	27.7	12.8				9.0	7.3			
+22.8	0.0	23 Jan 74	----	0	22.1t	19.0					5.6	7.7		
+ 2.0	+0.1			0	24.6t	18.0					7.3	7.9		
+22.8	0.0	26 Feb 74	----	0	19.7t	11.5					9.4	7.9		
+ 2.0	+0.1			0	20.2t	14.0					8.8	7.8		
+22.8	0.0	20 Mar 74	----	0	19.9t	20.0					6.1	7.9		
+ 2.0	+0.1			0	24.9t	19.5					7.6	8.0		
+ 2.0	+0.1	21 Mar 74	0700	0	26.9	18.3					8.0	7.4		
				b	28.4	18.3				8.1	7.3			

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+ 2.0	+0.1	21 Mar 74	0805	0	28.4	18.3					8.5	7.1		BJC, 1975	
				b	22.7	18.3					8.4	7.1			
			0905	0	22.0	18.0			8.1	7.0					
				b	24.1	18.2			8.2	7.1					
			1005	0	23.4	18.2			7.8	7.0					
				b	24.1	18.3			7.9	7.0					
			1105	0	24.1	19.0			7.8	7.0					
b	25.5	19.0				8.0	7.0								
1200	0	24.1	18.3			7.5	6.9								
	b	24.1	18.5			7.5	7.0								
1305	0	23.4	18.5			7.5	7.0								
	b	24.1	18.5			7.5	7.0								
+22.8	0.0	22 Mar 74	0815	0	21.3	19.0					6.8	7.1			
				b	21.3	19.8			6.7	6.7					
			0900	0	21.3	19.0			6.7	6.7					
				b	21.3	19.8			6.7	6.7					
1020	0	20.6	19.3			6.7	6.7								
	b	20.6	20.0			6.7	6.7								
1056	0	19.9	19.5			6.6	6.6								
	b	19.9	19.8			6.7	6.7								

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+22.8	0.0	22 Mar 74	1155	0	19.9	19.7					6.1	6.9		BJC, 1975
				b	19.9	19.0				6.5	7.3			
			1259	0	19.9	19.2			6.9	7.3				
				b	19.9	19.0			7.0	7.3				
			1400	0	19.9	18.7			6.0	7.3				
				b	19.9	19.3			5.5	6.9				
+22.8 + 2.0	0.0 +0.1	17 Apr 74	----	0	19.0t	24.0					5.8	7.4		
				0	28.2t	23.0				7.0	7.7			
+22.8 + 2.0	0.0 +0.1	29 May 74	----	0	24.0t	27.0					5.6	7.7		
				0	30.5t	26.0				6.4	7.7			
+22.8 + 2.0	0.0 +0.1	19 Jun 74	----	0	21.3t	28.5					3.5	7.7		
				0	29.3t	28.5				5.4	7.9			
+22.8	0.0	27 Jun 74	1600	0	25.5	27.0					3.2	7.3		
				b	26.2	27.0				3.1	7.3			
			1700	0	24.8	27.0			3.4	7.3				
				b	25.5	27.0			3.3	7.3				
			1800	0	23.4	27.0			3.5	7.2				
				b	24.1	27.0			3.3	7.2				

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE			
+22.8	0.0	27 Jun 74	1900	0	20.6	26.7						3.5	7.2		BJC, 1975		
				b	21.3	26.3						3.3	7.2				
			2000	0	19.2	25.5							3.4	7.1			
				b	19.2	26.5							3.4	7.1			
			2100	0	17.2	26.0							3.3	7.1			
				b	16.5	26.2							3.1	7.1			
			2200	0	16.5	25.7								3.2		7.0	
				b	17.9	25.6								3.3		7.0	
+ 2.0	+0.1	28 Jun 74	0415	0	30.5	26.0						5.0	7.6				
				b	32.0	26.2							5.1	7.7			
			0515	0	30.5	26.0								4.9	7.6		
				b	30.5	26.0								4.7	7.6		
			0715	0	29.8	26.3								4.4	7.6		
				b	29.1	26.3								4.5	7.5		
			0720	0	29.1	26.0								4.0	7.5		
				b	29.1	26.0								4.1	7.5		
			0820	0	29.1	26.0								4.2	7.5		
				b	29.1	25.6								4.0	7.5		
			0920	0	28.4	26.0								3.9	7.4		
				b	29.1	26.0								3.8	7.4		

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.0	+0.1	28 Jun 74	1020	0	28.4	26.3					3.8	7.4		BJC, 1975
				b	29.1	26.2					3.7	7.4		
+22.8	0.0	24 Jul 74	---	0	19.9t	29.0					5.2	7.5		
+ 2.0	+0.1			0	29.3t	29.0					5.8	7.7		
+22.8	0.0	14 Aug 74	---	0	10.5t	28.0					2.8	7.1		
+ 2.0	+0.1	15 Aug 74	---	0	25.8t	28.0					4.8	7.7		
+22.8	0.0	18 Sep 74	---	0	10.9t	29.5					3.4	7.4		
+ 2.0	+0.1		---	0	21.7t	29.0					5.4	7.6		
+22.8	0.0	23 Sep 74	1430	0	17.2	27.5					4.9	6.9		
				b	17.2	27.5					4.7	6.9		
			1530	0	17.2	27.5					4.8	6.9		
				b	17.9	27.7					4.5	6.9		
			1630	0	17.2	27.5					4.7	6.9		
				b	17.9	27.5					4.4	6.9		
			1730	0	16.5	27.5					4.7	6.9		
				b	16.5	27.7					4.6	6.9		
			1830	0	14.5	27.7					4.4	6.9		
				b	15.2	27.3					4.3	6.9		
			1930	0	13.8	27.3					4.5	6.9		
				b	13.8	27.2					4.3	6.8		

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+22.8	0.0	23 Sep 74	2030	0	12.5	26.7					4.5	6.8		BJC, 1975
				b	12.5	27.2					4.3	6.8		
+ 2.0	+0.1	26 Sep 74	0415	0	21.3	23.3					6.4	7.3		
				b	24.1	23.8					6.7	7.3		
			0520	0	22.0	23.7					6.6	7.4		
				b	24.8	24.0					6.7	7.4		
			0620	0	21.3	23.7					6.7	7.3		
				b	24.1	24.0					6.6	7.4		
			0720	0	21.3	23.5					6.5	7.3		
				b	22.7	24.0					6.4	7.3		
			0820	0	21.3	23.8					6.4	7.2		
				b	22.0	23.8					6.3	7.2		
			0920	0	20.6	24.0					6.1	7.2		
				b	20.6	23.8					6.0	7.2		
			1025	0	21.3	23.8					6.0	7.1		
				b	21.3	23.5					6.1	7.1		
+22.8	0.0	16 Oct 74	----	0	16.0t	23.5					4.5	7.5		
+ 2.0	+0.1		----	0	25.1t	23.0					5.4	7.6		
+22.8	0.0	13 Nov 74	----	0	22.1t	17.5					6.2	7.7		
+ 2.0	+0.1		----	0	28.2t	17.5					7.1	7.8		

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+22.8	0.0	11 Dec 74	----	0	25.1t	11.0					8.0	7.7		BJC, 1975
+ 2.0	+0.1		----	0	28.9t	11.5					8.6	7.9		
+22.8	0.0	12 Dec 74	1310	0	26.2	13.0					7.5	7.6		
				b	26.2	13.0					7.5	7.5		
			1410	0	26.2	13.2					7.3	7.6		
				b	26.2	13.2					7.2	7.5		
			1510	0	26.2	13.0					7.3	7.6		
				b	26.2	13.0					7.2	7.5		
			1610	0	25.5	13.5					7.4	7.5		
				b	25.5	13.5					7.5	7.5		
			1710	0	25.5	13.3					7.6	7.5		
				b	25.5	13.3					7.6	7.5		
			1810	0	24.1	12.8					7.5	7.5		
				b	24.8	12.8					7.6	7.5		
			1910	0	24.8	13.0					7.6	7.5		
				b	24.8	12.8					7.6	7.5		
+ 2.0	+0.1	13 Dec 74	0810	0	30.5	12.2					8.3	7.9		
				b	31.3	12.2					8.6	7.9		

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+ 2.0	+0.1	13 Dec 74	0910	0	31.3	12.2					8.4	7.9		BJC, 1975	
				b	31.3	12.2				8.7	7.9				
			1010	0	30.5	12.2			8.3	7.8					
				b	30.5	12.2			8.6	7.8					
			1110	0	30.5	12.2			8.3	7.8					
				b	29.8	12.2			8.4	7.8					
			1210	0	29.1	12.3			8.2	7.7					
				b	29.8	12.2			8.2	7.8					
			1310	0	29.1	12.5			8.1	7.7					
				b	29.1	12.2			8.1	7.7					
			1410	0	29.1	12.5			7.8	7.7					
				b	29.1	12.2			8.0	7.7					
+ 2.3	+0.5	29 May 75	0658	0	18.7	26.5					6.0		flood	Kendall, 1978	
				8.5	23.0	26.0				5.5					
+ 7.7	----	----	----	0	21.5	27.5					4.5		flood		
				9	23.7	27.0				4.4					
+12.3	----	----	----	0	19.2	29.0					3.9		flood		
				7.5	19.5	28.6				3.8					

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+20.3	---	29 May 74	---	0	15.8	28.7					4.0		flood	Kendall, 1978
				11.5	15.9	28.6					4.0			
+25.3	---		---	0	16.7	30.0					3.5		flood	
				7	17.1	29.0					3.4			
- 6.2	+3.0	5 Jun 75	---	0	31.4	27.7								Jaffe, 1975
-10.0	+3.6		1008	0	32.3	28.0								
-13.0	-0.1	30 Jun 75	1415	0	34.1	28.6								
-10.2	-0.3		1423	0	32.7	28.6								
- 7.6	-0.2		1431	0	32.5	28.8								
- 4.6	-0.1		1440	0	32.7	28.7								
- 1.9	+0.1		1447	0	31.9	28.8								
-0.5	+0.3		1453	0	29.9	29.8								
- 9.7	+1.8		1523	0	31.8	28.8								
- 8.0	+2.7		1528	0	31.3	29.1								
- 6.3	+3.4		1532	0	31.6	28.9								
- 4.5	+4.5		1540	0	32.2	29.0								
- 5.7	+6.0		1545	0	31.4	29.0								
+ 2.3	+0.5	31 Jul 75	0923	0	29.2	29.1					6.1		flood	Kendall, 1978
				8.5	30.7	28.9					5.7			
+ 7.7	---		---	0	28.0	29.0					5.3		flood	
				9	29.3	28.5					4.2			
+12.3	---		---	0	26.0	29.0					4.7		flood	
				7.5	26.4	28.7					4.2			

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+20.3	----	31 Jul 75	----	0	25.0	29.0					3.7		flood	Kendall, 1978
				11.5	25.5	29.0					3.0			
+25.3	----		----	0	21.7	29.0					2.9		flood	
				7	22.0	29.0					2.7			
+ 2.3	+0.5	6 Nov 75	0745	0	26.8	18.2					7.2		flood	
				8.5	30.0	18.0					6.7			
+ 7.7	----		----	0	23.5	20.7					5.8		flood	
				9	23.5	20.6					5.7			
+12.3	----		----	0	22.4	20.8					5.9		flood	
				7.5	22.4	20.7					5.8			
+20.3	----		----	0	22.3	21.0					5.3		flood	
				11.5	22.4	20.9					5.2			
+25.3	----		----	0	22.2	21.1					5.2		flood	
				7	22.2	21.0					5.0			
+ 2.3	+0.5	5 Feb 76	1000	0	34.8	11.4					8.0	7.7	flood	
				8.5	35.0	11.0					7.8			
+ 7.7	----		----	0	28	11.2					7.5	7.6	flood	
				9	29	11.0					7.3			

ST. SIMONS SOUND - TURTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+12.3	----	5 Feb 76	----	0	22	12.7					8.0	7.5	flood	Kendall, 1978
				7.5	22	11.2					7.5			
+20.3	----		----	0	21.5	12.5					7.3	7.4	flood	
				11.5	21.5	11.8					7.0			
+25.3	----		----	0	22.5	13.0					7.5	7.4	flood	
				7	22.0	12.2					6.5			

FREDERICA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 4.1	0.0	13 Oct 59	---	0	22.1								low	Neiheisel 1965
				2	18.5									
				3.5	20.6									
+ 7.0	0.0		---	0	19.9								e.fld.	
				2	22.1									
				4	19.2									
+10.8	0.0		---	1	13.1								flood	
				2.5	13.1									
				4.5	16.4									
+13.2	0.0		---	0	13.8								flood	
				3.5	15.0									
				6.5	15.0									
+15.1	0.0		---	0	9.7								flood	
				9.5	11.5									
+18.6	0.0		---	1	10.0								flood	
				4	10.6									
				8	10.0									
+12.9	0.0	31 Jul 72	0903	0	27.7	29.7					5.1	7.2		Kendall, 1974
				b	27.8	29.6						5.1		
		28 Aug 72	1135	0	29.6	29.0					4.6	6.9		
				b	29.8	28.7					4.1	7.1		

FREDERICA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+12.9	0.0	1 Oct 72	1104	0	22.7	26.5					4.9	7.2		Kendall, 1974
				b	23.1	26.0				4.9	7.4			
		26 Oct 72	0920	0	27.7	22.0					5.5			
				b	28.0	22.1				4.8				
		21 Nov 72	0935	0	19.1	14.0					7.2	7.0		
				b	19.0	14.0				7.2	6.6			
		22 Dec 72	1000	0	28.0	14.1					5.3			
				b	28.2	13.9				5.2				
		25 Jan 73	1120	0	1.7	11.9					9.4	6.5		
				b	9.0	12.3				9.4				
		24 Feb 73	1020	0	0.3	9.2					10.2			
				b	4.9	8.9				9.9				
		25 Mar 73	1010	0	3.1	16.6					9.3			
				b	9.1	16.5				8.6				
		18 Apr 73	0815	0	1.8	19.7					7.8			
				b	3.5	19.7				7.2				
		25 May 73	1445	0	21.0	26.1					7.2	7.1		
				b	22.3	25.2				6.2	6.7			
		26 Jun 73	1230	0	3.0	27.0					5.2			
				b	5.3	27.0				4.8				
		30 Jul 73	0745	0	20.9	29.4					4.4			
				b	21.2	29.4				4.1				

DUNBAR CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+13.4	0.0	31 Jul 72	0940	0	27.8	29.7					4.8	7.4		Kendall, 1974
				b	27.9	29.6						4.9	7.4	
+15.4	0.0		1000	0	26.5	30.1					4.8	7.3		
				b	26.4	29.9						4.8	7.4	
+18.5	0.0		1028	0	18.4	30.0					5.5	7.3		
				b	18.8	30.0						5.2	7.4	
+20.1	0.0		1055	0	15.0	29.5					5.2	7.2		
				b	15.1	29.4						5.2	7.3	
+21.4	0.0		1115	0	12.8	29.5					5.8	7.2		
				b	12.8	29.4						5.8	7.3	
+13.4	0.0	28 Aug 72	1209	0	29.8	28.9					4.2	7.1		
				b	29.8	28.5						4.0	7.2	
+15.4	0.0		1228	0	27.4	29.1					4.0	7.0		
				b	28.1	28.6						3.8	7.2	
+18.5	0.0		1303	0	22.8	29.5					3.5	7.0		
				b	22.9	29.2						3.3	7.2	
+20.1	0.0		1324	0	19.2	29.3					3.7	7.0		
				b	18.7	28.9						3.7	7.2	
+21.4	0.0		1402	0	12.8	28.8					3.6	7.0		
				b	12.9	28.8						3.6	7.2	

DUNBAR CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+13.4	0.0	1 Oct 72	1125	0	20.4	26.5					4.6	7.4		Kendall, 1974
				b	20.7	26.4				4.5	7.4			
+15.4	0.0		1145	0	19.0	26.3					3.8	7.2		
				b	19.0	26.0				3.8	7.2			
+18.5	0.0		1204	0	15.3	25.0					2.5	7.2		
				b	15.6	24.9				2.7	7.1			
+20.1	0.0		1220	0	15.3	24.2					2.5	7.1		
				b	15.3	24.2				2.7	7.0			
+21.4	0.0		1238	0	14.4	23.5					3.2	7.0		
				b	14.4	23.5				3.2	7.1			
+13.4	0.0	26 Oct 72	1003	0	27.7	22.1					5.2			
				b	27.7	22.1				5.1				
+15.4	0.0		1023	0	25.3	22.1					5.0			
				b	25.3	22.0				4.9				
+18.5	0.0		1045	0	22.3	22.0					4.7			
				b	22.3	22.0				4.8				
+20.1	0.0		1108	0	20.6	21.8					4.4			
				b	20.6	21.9				4.4				
+21.4	0.0		1128	0	19.3	21.5					3.8			
				b	19.3	21.6				3.7				

DUNBAR CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+13.4	0.0	21 Nov 72	0955	0	18.8	13.9					7.0	7.2		Kendall, 1974
				b	18.0	13.5				7.1	7.2			
+15.4	0.0		1025	0	17.1	13.7					6.1	7.1		
				b	17.0	13.9				6.8	7.0			
+18.5	0.0		1048	0	17.3	13.7					5.3	7.0		
				b	17.3	13.6				5.8	6.9			
+20.1	0.0		1105	0	17.0	13.6					5.3	7.0		
				b	16.3	13.6				5.5	7.0			
+21.4	0.0		1125	0	16.6	13.6					5.2	7.1		
				b	16.5	13.6				5.7	7.0			
+13.4	0.0	22 Dec 72	1025	0	27.8	13.9					5.0	7.3		
				b	28.1	13.9				4.9				
+15.4	0.0		1040	0	24.4	14.2					5.0	7.2		
				b	24.8	14.1				4.9				
+18.5	0.0		1100	0	16.8	14.1					4.8	7.2		
				b	17.2	14.1				4.7				
+20.1	0.0		1115	0	13.8	14.2					4.8	7.2		
				b	13.8	14.3				4.8	7.2			
+21.4	0.0		1130	0	12.4	14.6					4.4	7.1		
				b	12.4	14.6				4.3	7.1			

DUNBAR CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+13.4	0.0	25 Jan 73	1200	0	5.0	12.0					8.8	6.9		Kendall, 1974
				b	11.0	12.1						8.5		
+15.4	0.0		1230	0	5.1	12.2					8.8	7.0		
				b	5.7	12.0					8.7			
+18.5	0.0		1300	0	2.5	12.4					7.8	7.1		
				b	2.6	12.2					7.9			
+20.1	0.0		1335	0	3.9	12.4					7.0	7.0		
				b	3.9	12.3					7.4	7.0		
+21.4	0.0		1410	0	4.9	12.1					6.2	7.1		
				b	4.9	12.1					6.5	7.1		
+13.4	0.0	24 Feb 73	1045	0	0.8	9.1					10.5	6.8		
				b	4.8	8.8						10.2		
+15.4	0.0		1120	0	0.4	9.1					10.5			
				b	0.4	9.1					7.6			
+18.5	0.0		1145	0	1.9	9.6					8.8			
				b	1.9	9.6					7.9			
+20.1	0.0		1200	0	2.5	9.6					7.9			
				b	2.5	9.6					7.6			
+21.4	0.0		1215	0	3.2	9.4					9.0			
				b	3.2	9.4					9.0			

DUNBAR CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+13.4	0.0	25 Mar 73	1025	0	4.0	16.6					9.2			Kendall, 1974
				b	7.6	16.4						9.2		
+15.4	0.0		1040	0	3.0	16.4					8.6			
				b	3.0	16.4						8.3		
+18.5	0.0		1100	0	3.2	16.0					6.8			
				b	3.2	16.0						6.4		
+20.1	0.0		1115	0	3.4	15.8					5.6			
				b	3.4	15.8						5.5		
+21.4	0.0		1130	0	3.5	15.5					5.6			
				b	3.5	15.5						5.5		
		28 Apr 73	0625	0	1.9	18.9					4.3	6.8		
				b	1.9	18.9						4.2	6.8	
+20.1	0.0		0655	0	2.0	19.5					3.4	6.8		
				b	2.0	19.4						3.3	6.8	
+18.5	0.0		0712	0	1.8	19.6					3.8	6.8		
				b	1.8	19.6						3.2	6.7	
+15.4	0.0		0737	0	1.1	19.8					5.5	7.2		
				b	1.1	19.8						5.4	7.2	
+13.4	0.0		0800	0	1.4	19.7					7.4	7.1		
				b	1.4	19.5						7.3	7.1	

DUNBAR CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+21.4	0.0	25 May 73	1315	0	3.4	26.3					3.5			Kendall, 1974
				b	3.4	26.2						3.4		
+20.1	0.0		1345	0	4.0	26.4					3.6			
				b	4.0	26.3						3.4		
+18.5	0.0		1407	0	7.6	26.4					4.6			
				b	8.2	26.3						4.6		
+15.4	0.0		1422	0	16.2	25.8					6.1			
				b	16.6	25.4						5.7		
+13.4	0.0		1432	0	20.5	25.6					7.1			
				b	21.5	25.3						6.2		
		26 Jun 73	1245	0	4.0	26.9					5.0			
				b	4.4	26.8						4.5		
+15.4	0.0		1305	0	3.0	26.9					4.9			
				b	3.0	26.8						4.5		
+18.5	0.0		1320	0	3.0	26.7					3.2			
				b	3.0	26.5						3.0		
+20.1	0.0		1345	0	3.0	26.3					3.1			
				b	3.0	26.2						2.9		
+21.4	0.0		1405	0	2.9	26.2					3.4			
				b	2.9	26.2						3.3		

DUNBAR CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+13.4	0.0	30 Jul 73	0805	0	20.8	29.4					3.1			Kendall, 1974
				b	21.0	29.4				3.0				
+15.4	0.0		0835	0	18.3	29.5					3.2			
				b	18.5	29.4				3.0				
+18.5	0.0		0850	0	13.2	29.0					2.9			
				b	13.3	29.0				2.8				
+20.1	0.0		0903	0	10.2	28.5					2.9			
				b	10.6	28.5				2.8				
+21.4	0.0		0915	0	9.0	28.2					2.8			
				b	9.0	28.2				2.8				

MACKAY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+15.4	0.0	12 Aug 68	1045	0	28.6	30.5	42		19	90t				Visher, 1974
				5.5	29.4	30.1	41		33	89t				
				11	27.0	30.4	39		42	79t				
+18.4	0.0		1120	0	26.5	31.0	31		15.5	88t				
				4.5	26.6	30.6	24		20.5	89t				
				9	27.4	30.3	33		103.5	84t				
+21.4	0.0		1205	0	16.9	31.0	10		34	74t				
				2.5	17.8	30.5	26		60.5	78t				
+16.9	0.0	13 Oct 69		0	9.4								1.ebb	Neiheisel, 1965
				2.5	11.2									
				5	10.6									
+13.7	0.0			0	11.8								1.ebb	
				2	13.1									
				4.5	14.4									
+10.1	-0.1			6.5	15.7							low		
+14.0	-0.1	22 - 23 Nov 69		b	10r	13	10			43t	7.8	6.2	flood	May, 1972
				b	12r	13	20				6.7		flood	
				b	13r	13	20			39t	7.1	6.1	flood	
				b	15r	13	30				7.1		flood	
				b	17r	13	50			52t	7.1	6.2	flood	
				b	18r	13	50				7.0		flood	

MACKAY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+14.0	-0.1	22 - 23 Nov 69		b	19r	13	40			59t	7.1	6.3	flood	May 1972
				b	20r	14	40				7.0		flood	
				b	21r	14	30			73t	7.0	6.1	flood	
				b	21r	13	20				6.8		flood	
				b	21r	14	10			74t	6.7	5.9	flood	
				b	22r	14	10				6.6			
				b	21r	14	10			75t	7.1	6.3	ebb	
				b	20r	13	10				7.0		ebb	
				b	19r	13	30			58t	7.0	6.0	ebb	
				b	17r	13	30				7.0		ebb	
				b	17r	13	30			75t	7.1	6.1	ebb	
				b	14r	13	30				7.0		ebb	
				b	14r	13	40			75t	7.1	6.1	ebb	
				b	13r	13	40				6.9		ebb	
				b	11r	13	20			75t	7.0	5.9	ebb	
				b	9r	13	20			75t	6.9	6.3	ebb	
				b	12r	13	40			75t	6.9	6.1	flood	
				b	15r	13	50			72t	7.0	6.5	flood	
				b	18r	13	50			67t	6.9	6.5	flood	
				b	21r	13	30			71t	6.8	6.5	flood	
				b	23r	13	40			64t	6.9	6.5	flood	
				b	24r	13	0			54t	6.5	6.6		
		22 - 23 Dec 69		0	11r		30						ebb	
				b	14r	10	40			36t		6.0	ebb	
				0	10r		30						ebb	
				b	11r	10	20			38t		6.3	ebb	

MACKAY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE			
+14.0	-0.1	22 - 23 Dec 69		0	10r		20							ebb	May, 1972		
				b	10r	10	20			24t	6.0	ebb					
				0	13r												
				b	12r	10	30			31t	6.2	flood					
				0	16r												
				b	15r	10	50			18t	6.2	flood					
				0	18r												
				b	18r	10	70			32t		flood					
				0	20r												
				b	19r	10	60			25t		flood					
				0	20r												
				b	20r	10	30			20t		flood					
				0	20r												
				b	21r	10	0			44t							
				0	19r												
				b	20r	10	50			33t		ebb					
	0	19r															
	b	19r	10	60			37t		ebb								

MACKAY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+14.0	-0.1	22 - 23 Dec 69		0	15r								ebb	May, 1972
				b	17r	10	60			37t				
				0	11r								ebb	
				b	14r	10	60			41t				
				0	10r								ebb	
				b	11r	9	40			35t				
				0	13r								flood	
				b	15r	10	40			41t				
				0	15r								flood	
				b	19r	10	60			16t				
				0	18r		40						flood	
				b	21r	10	70							
				0	19r								flood	
				b		10	60							
				0	21r									
				b		9								
		24 - 25 Jan 70		0									ebb	
				b	16r	7	40			45t	8.8			
				0	14r		70						ebb	
				b	14r	7	70			38t	9.5			

MACKAY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+14.0	-0.1	24 - 25 Jan 70		0	11r		80						ebb	May, 1972
				b	12r	7	70		25t	9.1				
				0	9r		70						ebb	
				b	9r	7	60		24t	8.1				
				0	7r		60						ebb	
				b	7r	7	30		31t	8.3				
				0	6r		0						flood	
				b	8r	7	10		46t	7.7				
				0	6r		10						flood	
				b	10r	7	30		19t	8.3				
				0	10r		40						flood	
				b	12r	7	60		29t	8.5				
				0	14r		50						flood	
				b	15r	7	50		20t	8.5				
				0	15r		10						flood	
				b	17r	7	30		20t	8.5				
				0	17r		10						flood	
				b	18r	7	10		34t	8.3				
				0	14r		20						ebb	
				b	18r	7	20		38t	7.6				

MACKAY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE				
+14.0	-0.1	24 - 25 Jan 70		0	14r		50						ebb	May, 1972				
				b	15r	7	40			31t	8.2							
				0	13r		60								ebb			
				b	13r	7	60					8.2						
				0	10r		60									ebb		
				b	10r	7	50					8.1						
				0	9r		70										ebb	
				b	9r	7	50					8.1						
				0	7r		40											ebb
				b	7r	7	40						8.0					
				0	6r		0											flood
				b	9r	7	10						7.8					
					18 Mar 70		b	16r	14	20			53t		8.2	7.5		flood
							b	15r	14	20			140t		8.7	7.7		flood
				b	15r	15	20			96t	9.2	7.6		flood				
				b	16r	14	10			42t	8.6	7.5						
				b	17r	14	0			32t	7.1	6.2						
				b	17r	14	0			44t	7.6	7.2						
				b	14r	14	0			62t	8.7	7.3						
				b	10r	15	0			160t	8.6	6.9						

MACKAY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+14.0	-0.1	18 Mar 70		b	8r	16	30			35t	8.8	7.0	ebb	May, 1972
				b	7r	15	50			67t	8.6	6.9	ebb	
				b	6r	15	20			32t	8.1	6.9	flood	
				b	9r	15				31t	8.2	6.9		
				b	13r	15	10			51t	8.0	6.9	flood	
				b	14r	15	20				8.3		flood	
				b	19r	25	20			67t	6.0	7.2	ebb	
				b	16r	25	30			68t	5.9	7.2	ebb	
				b	13r	25	40			61t	6.1	7.1	ebb	
				b	10r	25	40			100t	5.8	6.9	ebb	
			b	7r	25	20			122t	5.8	6.9	ebb		
			b	5r	25	20			150t	5.6	6.8	ebb		
			b	4r	25	10						ebb		
			b	4r	26	10			105t	5.4	6.8	ebb		
			b	5r	25	20						flood		
			b	9r	25	30			110t	5.9	6.7	flood		
			b	13r	26	30			500t	6.2		flood		
			b	17r	25	20						flood		
			b	19r	25	20			68t	6.7		flood		
				26 - 27 Jun 70		b	16r	29			58t	4.6	6.7	
	b	16r	28				72t	5.0	6.7					
	b	18r	28				76t	6.2	6.9					
	b	20r	29				125t	5.1	6.8					

MACKAY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+14.0	-0.1	26 -27 Jun 70		b	21r	29					5.3			May,1972
				b	23r	29				155t	5.1	6.5		
				b	24r	29				89t	5.1	6.9		
				b	25r	29				42t	5.1	6.4		
				b	25r	28				44t	5.1	6.8		
				b	23r	29				95t	5.3	6.9		
				b	22r	29				64t	5.1	6.3		
				b	22r	29				52t	5.3	6.5		
				b	14r	28				59t	5.2	6.9		
				b	14r	28								
				b	16r	29				53t	4.8	6.5		
				b	18r	29				57t	5.2	6.7		
		19- 20 Aug 70		0										
				b	29r	29	20			98t	3.2	6.8	flood	
				0	29r	29	10							
				b	29r	29	0				3.2	6.8	flood	
				0	27r		10						ebb	
				b	29r	29	10			240t	3.2	7.2	ebb	
				0										
				b	24r	30	30			160t	3.6	7.0	ebb	
				0	21r		30						ebb	
				b	21r	30	40			130t	3.5	7.0	ebb	

MACKAY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE			
+14.0	-0.1	19-20 Aug 70		0	17r									May,1972			
				b	17r	30	70			210t	3.4	7.0	ebb				
					0	12r			60							ebb	
					b	13r	30	50			215t	3.1	7.0		ebb		
					0	10r			50							ebb	
					b	10r	30	20			215t	3.2	6.9		ebb		
					0	9r			10							ebb	
					b	10r	29	10			115t	3.4	6.9		ebb		
					0	20r			60							flood	
					b	19r	30	60			145t	3.2	7.0		flood		
					0	23r			50							flood	
					b	23r	29	40			100t	3.0	7.1		flood		
					0	26r			30							flood	
					b	26r	30	30			80t	2.8	7.0		flood		
					0	28r			10							flood	
					b	28r	29	10			120t	3.2	7.2		flood		
					0	27r			20							ebb	
					b	29r	29	10			70t	2.8	7.2		flood		
					0	25r			20							ebb	
					b	25r	29	20			140t	3.0	7.1		ebb		

MACKAY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+14.0	-0.1	19- 20 Aug 70		0	22r		60						ebb	May, 1972		
				b	22r	29	50		55t	2.9	7.0	ebb				
				0	17r		60						ebb			
				b	18r	29	60		100t	3.1	6.9	ebb				
				0	14r		60						ebb			
				b	15r	29	60		150t	3.1		ebb				
			0	11r		50						ebb				
			b	11r	29	50				3.2		ebb				
			0	9r		0										
			b	9r	29	0										
				24 - 25 Sep 70		0	19r		30						ebb	
			b		22r	31	30		32t	3.5	7.3	ebb				
			0													
			b								2.4	7.3				
	0	18r			80								ebb			
	b	23r	30		50		70t	2.6	7.3	ebb						
	0	18r		80								ebb				
	b	21r	30	50		70t	3.8	7.3	ebb							
	0	17r		0												
	b	18r	30	0		150t	3.7	7.2								

MACKAY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+14.0	-0.1	24-25 Sep 70		0	15r									May, 1972
				b	16r	30				26t	3.9	7.1		
				0	14r									
				b	14r	30				85t	3.8	7.1		
				0	13r									
				b	16r	29				95t	3.5	7.0		
				0	13r									
				b	18r	31				95t	3.4	7.1		
				0	13r									
				b	19r	30				45t	3.4	7.2		
				0	16r									
				b	20r	30				47t	3.6	7.1		
				0	15r									
				b	23r	30				25t	3.2	7.1		
				0	16r									
				b	21r	30				100t	3.3	7.3		
				0	15r									
				b	19r	32				30t	3.0	7.3		
				0	13r									
				b	13r	30				32t	3.7	7.1		

MACKAY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
*14.0	-0.1	24-25 Sep 70		0	12r									
				b	20r	30				49t	2.6	7.2		Hay, 1972
				0	12r									
				b	20r	30				26t	4.4	7.4		
+ 2.2	+0.1	29 Oct 70	0630	0	30.8	20.5			140					Howard, 1971
				4.5	32.1	20.3			64					
				8	32.1	20.4			104					
			0645	0			52	310						
				4.5			46	315						
				8			27	325						
			0730	0	31.3	20.2			80					
				4.5	32.8	20.5			198					
				8	32.6	20.3			134					
			0752	0			21	320						
				4.5			29	310						
				8			21	330						
			0830	0	32.0	20.5			28					
				4.5	32.9	20.4			52					
				8	32.7	20.4			504					
			0915	0			34	135						
				4			27	130						
				7.5			21	130						

MACKAY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.2	+0.1	29 Oct 70	0930	0	31.7	20.8			54					Howard, 1971
				4.5	32.6	20.6			40					
				8	32.5	20.4			128					
			0935	0			43	135						
			1000	0			55	140						
	3.5			52	140									
	7.5			37	125									
			1030	0	31.1	21.0			164					
	4.5	31.4		20.9										
	8	31.9		20.8			140							
			1130	0	30.8	20.5			92					
	4.5	30.7		20.9			92							
	8	30.7		20.9			182							
			1205	0			83							
			1215	0			80							
			1218	0			118							
			1230	0	29.5	21.2			82					
		4.5		29.8	21.2			130						
		8		30.0	21.1			178						
			1320	0			49	140						

MACKAY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.2	+0.1	29 Oct 70	1330	0	27.5	21.3			88					Howard, 1971
				4.5	28.1	21.3			102					
				8	28.4	21.1			130					
			1422	0			46	120						
			1430	0	26.2	21.3	0		36					
	4.5	26.8		21.3			42							
	8	27.6		21.3			78							
			1525	0			51	250						
			1530	0	27.0	21.5			20					
		4.5		27.9	21.1			40						
		8		28.5	21.1			101						
			1630	0	27.7	21.3			24					
		4.5		29.3	21.2			198						
		8		29.1	20.9			190						
			1650	0			91	285						
			1730	0	29.4	21.2			100					
		4.5		29.7	21.1			100						
		8		29.8	21.0			228						
			1740	0			83	280						

MA CKAY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+14.0	-0.1	27-28 Nov 70		0	21r		90						ebb	May, 1972		
				b	21r	12	60		43t	7.6	6.8	ebb				
				0	18r		90									ebb
				b	19r	12	60		52t	7.6	6.6	ebb				
				0	16r		70									ebb
				b	16r	12	50		66t	7.2	6.8	ebb				
				0	13r		40									ebb
				b	13r	12	30		55t	7.3	7.1	ebb				
				0	12r		0									
				b	15r	12	20		70t	7.3	6.7	flood				
				0	15r		40									flood
				b	18r	12	40		75t	7.5	6.7	flood				
				0	19r		60									flood
				b	20r	12	60		65t	7.6	6.8	flood				
				0	22r		60									flood
				b	22r	13	40		82t	7.6	6.7	flood				
				0	23r		40									flood
				b	23r	13	30		87t	7.6	6.7	flood				

MACKAY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+14.0	- 0.1	27-28 Nov 70		0	24r		10						flood	May,1972
				b	24r	13	0			51t	7.4	6.7		
				0	20r		60						ebb	
				b	20r	12	40			34t	7.5	6.7	ebb	
				0	16r		80						ebb	
				b	16r	12	50			41t	7.3	6.6	ebb	
				0	14r		50						ebb	
				b	14r	12	30			39t	7.3	6.7	ebb	
				0	13r		0						flood	
				b	17r	12	10			41t	7.3	6.6	flood	
				0	15r		40						flood	
				b	17r	12	40			49t	7.2	6.6	flood	
				0	22r		70						flood	
				b	22r	12	60			90t	7.5	6.6	flood	
				0	23r		40						flood	
				b	24r	13	30			102t	7.6	6.5	flood	
				0	25r		30						flood	
				b	25r	13	30			76t	7.3	6.5	flood	
				0	26r		30						flood	
				b	26r	13	20			51t	7.1	6.5	flood	

MACKAY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+14.0	-0.1	27- 28 Nov 70		0	25r		30						flood	May, 1972
				b	27r	13	0			35t	6.8	6.6		
				0	24r		70						flood	
				b	24r	13	40			32t	7.6	6.4	flood	
		4- 5 Jan 71		0	10r		70						flood	
			b	14r	11	50		33t		7.0	flood			
				0	14r		90						flood	
				b	16r	11	60			42t		6.9	flood	
				0	17r		80						flood	
				b	18r	11	40			55t		6.8	flood	
				0	20r		40						flood	
				b	20r	11	30			53t		6.7	flood	
				0	20r		20						flood	
				b	21r	11	10			34t		6.8	flood	
				0	19r		10						ebb	
				b	21r	11	10			26t		6.7	flood	
				0	18r		70						ebb	
				b	19r	11	30			29t		6.7	ebb	
				0	15r		80						ebb	
				b	16r	11	60			25t		6.7	ebb	

MACKAY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+14.0	-0.1	4-5 Jan 71		0	12r		80						ebb	May, 1972		
				b	13r	12	60			26t		6.7	ebb			
				0	10r		80								ebb	
				b	11r	12	40								ebb	
				0	9r		0									
				b	12r	12	0									
			11-12 Feb 71		0	10r		80								ebb
				b	10r	10	60			40t	7.7	6.9			ebb	
				0	9r		80									ebb
				b	9r	10	60			45t	8.5	7.0			ebb	
				0	7r		70									ebb
				b	7r	10	50			58t	8.7	7.1			ebb	
				0	5r		30									ebb
				b	6r	10	30			61t	8.6	7.0			ebb	
	0	5r		10								flood				
	b	7r	10	30			68t	8.5	7.0		flood					
	0	8r		80								flood				
	b	11r	10	90			58t	8.8	6.8		flood					
	0	12r		90								flood				
	b	13r	10	70			65t	9.0	6.7		flood					

MACKAY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+14.0	-0.1	11-12 Feb 71		0	14r		60						flood	May , 1972	
				b	16r	10	40			68t	9.0	6.7	flood		
				0	16r		10						flood		
				b	17r	10	20			58t	9.0	6.7	flood		
				0	15r		20						ebb		
				b	18r	10	10			33t	8.5	6.7	ebb		
				0	14r		70						ebb		
				b	17r	10	20			25t	8.6	6.7	ebb		
				0	12r		70						ebb		
				b	12r	10	50			25t	8.3	6.9	ebb		
				0	10r		90						ebb		
				b	10r	10	50			25t	8.4	6.9	ebb		
				0	8r		80						ebb		
				b	8r	10	60				8.4	6.9	ebb		
				0	6r										
				b	6r	10	20				8.4		ebb		
				0	5r										
				b	5r	10	10						flood		
				b	10r	10	80				8.5		flood		
				b	14r	10	40				8.6	6.9	flood		
				b	16r	10	20				8.3	6.9	flood		

MACKAY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE			
+14.0	-0.1	11- 12 Feb 71		b	17r	10	0				8.2			May, 1972			
				b	18r	10	0				7.7		flood				
				b	18r	10	0					7.2			flood		
				19- 20 Apr 71		0	3r								flood		
			b		9r	20									flood		
			0		6r			20							flood		
			b		11r	20		10				99t		6.5	flood		
			0		7r			0									
			b		12r	20		20					58t	5.8	6.8	flood	
			0		8r			10								flood	
			b		13r	20		10					56t	5.6	6.8	flood	
			0		6r			20								ebb	
			b		15r	20		0					37t	5.4	7.2		
			0		6r			30									
			b		16r	20		0					31t	5.3	7.4	ebb	
			0		5r			60								ebb	
			b		15r	20		30					28t	5.4	7.0	ebb	
			0		4r			80								ebb	
	b	5r	21		50					55t	6.1	6.7	ebb				
	0	4r			70								ebb				
	b	5r	20		60					24t	5.9	6.7	ebb				

MACKAY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+14.0	-0.1	19-20 Apr 71		0	4r		70						ebb	May, 1972		
				b	4r	20	50			6.0	6.7	ebb				
				0	3r		60									ebb
				b	3r	20	50			5.9	6.6	ebb				
				0	2r		30									ebb
				b	3r	20	20			5.8	6.4	ebb				
				0	2r		0									
				b	6r	20	0			5.5	6.7					
				0	4r		0									
				b	11r	20	0			5.5	6.9					
				0	5r		70									flood
				b	11r	20	50			5.5	7.2	flood				
				0	7r		30									flood
				b	7r	20	20			5.8	6.9	flood				
				0	8r		20									flood
				b	18r	20	20			5.6	6.9	flood				
				0	10r		0									
				b	19r	20	0			5.6	6.9					
				0	8r		30									
				b	19r	20	0			5.4	6.8					

MACKAY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE				
+14.0	-0.1	19-20 Apr 71		0	7r		70						ebb	May, 1972				
				b	18r	20	20			5.7	6.9	ebb						
				0	7r		90						ebb					
				b	16r	20	30			5.7	6.8	ebb						
				0	6r		90						ebb					
				b	6r	20	50			5.6	6.7	ebb						
				0	6r		80						ebb					
				b	6r	20	70			5.6	6.7	ebb						
			+ 7	---	27 Apr 71			22r	22.5									Adams, 1976
+14.0	-0.1	18-19 May 71		0	8r		60						flood	May, 1972				
				b	11r	24	60			46t			flood					
				0	12r		80						flood					
				b	14r	25	60			34t	5.8	7.4	flood					
				0	14r		70						flood					
				b	16r	25	30			72t	5.8		flood					
				0	17r		40						flood					
				b	19r	25	40			86t	5.8		flood					
				0	19r		0											
				b	20r	25	0			45t	6.1							

MACKAY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+14.0	-0.1	18-19 May 71		0	17r		0							May, 1972
				b	21r	25	0			35t	5.7			
				0	17r		60						ebb	
				b	19r	26	40			75t	5.9		ebb	
				0	14r		70						ebb	
				b	14r	25	40			53t	6.7		ebb	
				0	11r		70						ebb	
				b	11r	25	60			60t	6.3		ebb	
				0	9r		70						ebb	
				b	10r	25	50			43t	5.8		ebb	
				0	7r		50						ebb	
				b	8r	25	40			29t	5.3		ebb	
				0	6r		10						ebb	
				b	13r	25	10			45t	5.4		flood	
				0	6r		10						flood	
				b	13r	25	30			36t	5.6		flood	
				0	11r		70						flood	
				b	15r	25	50			36t	5.8		flood	
				0	15r		80						flood	
				b	17r	25	50			29t	6.0		flood	

MACKAY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+14.0	-0.1	18- 19 May 71		0	17r		50						flood	May, 1972	
				b	19r	25	40		41t	6.0		flood			
+10.2	0.0	26 Jun 71		0	18.8	29.0						3.6		Hackney, 1972	
				b	18.5	28.0					2.4				
+14.0	- 0.1	8-9 Jul 71		0	8r		90							ebb	May, 1972
				b	8r	29	60		67t	4.8	6.7	ebb			
				0	7r		60						ebb		
				b	7r		30		52t	4.8	6.8	ebb			
				0	8r		30						flood		
				b	8r		0		83t	4.6	6.7				
				0	9r		80						flood		
				b	10r	30	60		71t	5.0	6.8	flood			
				0	13r		90						flood		
				b	13r	31	60		56t	5.3	6.7	flood			
				0	15r		60						flood		
				b	15r	31	50		70t	5.0	6.7	flood			
				0	16r		60						flood		
				b	16r	31	40		87t	5.7	6.6	flood			
	0	17r		0											
	b	17r	31	10		43t	5.0	6.8	flood						

MACKAY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+14.0	-0.1	8-9 Jul 71		0	15r		30						ebb	May, 1972
				b	17r	31	20			42t	4.9	6.6	ebb	
				0	14r		70						ebb	
				b	15r	31	40			55t	5.6	7.0	ebb	
				0	13r		100						ebb	
				b	13r	31	70			33t	5.5	6.6	ebb	
				0	11r		110						ebb	
				b	11r	31	80			42t	5.3	6.9	ebb	
				0			100						ebb	
				b	7r	31	80			75t	5.2	6.7	ebb	
				0			100						ebb	
				b	8r	31	50			67t	5.3	6.8	ebb	
				0	6r		20						ebb	
				b	6r	31	0			52t	4.5	6.7		
				0	7r		30						flood	
				b	8r	31	20			45t	4.5	6.7	flood	
				0	8r		80						flood	
				b	10r	31	70			54t	4.7	6.7	flood	

MACKAY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+14.0	- 0.1	8-9 Jul 71		0	12r		80						flood	May , 1972		
				b	12r	31	60			72t	4.9	6.8	flood			
				0	13r		40								flood	
				b	14r	31	60			80t	4.7	6.7	flood			
				0	14r		0									
				b	14r	31	0			58t	4.7	6.7				
+10.2	0.0	24 Jul 71		0	23.2	29.5					5.6			Hackney, 1972		
				b	28.5	29.0				4.6						
		28 Aug 71		0	15.4	30						6.1				
				b	23.9	31						3.9				
		2 Oct 71		0	19.5	26.0						4.7				
				b	20.5	26.0						4.6				
		6 Nov 71		0	18.2	21.7						6.2				
				b	20.6	21.5						6.1				
		11 Dec 71		0	16.8	15.7						7.3				
				b	17.0	15.4						7.3				
		22 Jan 72		0		7.3	13.3					7.5				
				b		13.3	12.8					7.6				

MACKAY RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+10.2	0.0	26 Feb 72		0	7.1	13.0					8.2			Hackney, 1972	
				b	8.6	12.8					8.2				
		25 Mar 72		0	16.9	18.0						6.9			
				b	18.8	18.0						6.9			
		28 Apr 72		0	16.2	22.4						6.3			
				b	18.5	22.2						5.9			
		16 Jul 72		0	24.1	29.3						5.7			
				b	26.7	29.0						5.0			
		23 Aug 72		0	23.9	29.4						4.6			
				b	25.9	29.1						4.1			
		20 Oct 72		0	25.6	21.9						6.3			
				b	27.2	22.1						6.1			
		1 Dec 72		0	24.2	13.8						8.4			
				b	25.7	13.4						8.3			

CLUBBS CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 6		17 Aug 71			19 r	26.5								Adams, 1976
+12					17 r	26								
+ 6		14 Sep 71			17 r	27								
+12					15 r	26								
+ 6		12 Oct 71			26 r	23								
+12					26 r	21.5								
+ 6		12 Nov 71			21 r	17.5								
+12					20 r	17								
+ 6		16 Dec 71			20 r	18								
+12					20 r	20								
+ 6		18 Jan 72			21 r	11.5								
+12					15 r	11								
+ 6		17 Feb 72			20 r	11.0								
+12					10 r	10.5								
+ 6		15 Mar 72			23 r	16.5								
+12					20 r	17.5								
+ 6		11 Apr 72			18 r	18								
+12					20 r	19								
+ 6		23 May 72			24 r	24								
+12					24 r	23.5								

CLUBBS CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 6		3 Apr 73			20	r 15								Adams, 1976
+12					13	r 18								
+ 6		1 May 73			22	r 21								
+12					18	r 21								
+ 6		28 May 73			26	r 26.5								
+12		29 May 73			24	r 27								
+ 6		24 Jul 73			23	r 31								
+12					24	r 32								
+ 6		20 Sep 73			26	r 29								
+12					26	r 29								
+ 6		13 Nov 73			30	r 16								
+12					30	r 17								
+ 6		8 Jan 74			28	r 15								
+12					25	r 16								
+ 6		5 Mar 74			18	r 15.5								
+12					19	r 16.5								
+ 6		30 Apr 74			19	r 22								
+12					20	r 23.5								
+ 6		24 Jun 74			30	r 28								
+12					30	r 28								

TRIBUTARY

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+11		25 Aug 70			30.4r	29.4								Adams, 1976	
		23 Oct 70			21 r										
		5 Jan 71			22 r	15									
		2 Mar 71			18 r	17.5									
		6 Apr 71			14 r	15									
		27 Apr 71			21 r	22									
		25 May 71			23 r	24.5									
		23 Jun 71			20 r	28									
		13 Jul 71			24 r	26									
		20 Jul 71			25 r	29.5									
		17 Aug 71			20 r	27.5									
		14 Sep 71			17 r	27									
		12 Oct 71			24 r	22.5									
		12 Nov 71			21 r	16.5									
		16 Dec 71			21 r	19									
		18 Jan 72			16 r	12									
		17 Feb 72			10 r	10.5									
		15 Mar 72			19 r	17									
		11 Apr 72			19 r	19									
		23 May 72			24 r	25									
	6 Jun 72			24 r	26										
	5 Jul 72			26 r	30										
	15 Aug 72			29 r	30										

TRIBUTARY

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+11		4 Feb 75			10 r	14								Adams, 1976
		2 Apr 75			10 r	18								
		27 May 75			14 r	29								
		16 Sep 75			18 r	26								
		11 Nov 75			20 r	24.5								
		6 Jan 76			18 r	11								
		24 Feb 76			16 r	14								

LITTLE RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 8		14 Sep 72			24 r	26								Adams,
		12 Oct 72			22 r	22.5								1976
		9 Nov 72			26 r	20								
		14 Dec 72			27 r	19								
		24 Jan 73			10 r	13								
		6 Feb 73			19 r	13.5								
		8 Mar 73			16 r	16.5								
		3 Apr 73			19 r	18.5								
		1 May 73			20 r	20								
		28 May 73			25 r	26								
		24 Jul 73			22 r	31								
		20 Sep 73			28 r	29								
		13 Nov 73			29 r	16								
		8 Jan 74			28 r	15								
		5 Mar 74			18 r	15.5								
		30 Apr 74			20 r	24								
		24 Jun 74			30 r	28								
		20 Aug 74			28 r	29								
		15 Oct 74			30 r	23								
		10 Dec 74			24 r	11								

TERRY CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+10		25 Aug 70			13.8r	33								Adams, 1976
+12					29.8r	29								
+10		23 Oct 70			14 r									
+12					10 r									
+10		5 Jan 71			19 r	17								
		2 Feb 71			20 r	11.5								
+ 9		2 Mar 71			19 r	17								
+10					19 r	18								
		6 Apr 71				19.5								
		27 Apr 71			23 r	23								
		25 May 71			22 r	25.5								
		23 Jun 71			21 r	30								
+12					25 r	28								
+10		13 Jul 71			20 r	29								
+12					23 r	28.5								
+10		20 Jul 71			15 r	34								
+12					25 r	31								
+10		17 Aug 71			6 r	30								
+12					18 r	27.5								
+10					7 r	31								

TERRY CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+10		15 Aug 72			30 r	32								Adams, 1976
		12 Oct 72			19 r	22.5								
		9 Nov 72			12 r	24								
		14 Dec 72			26 r	20								
		24 Jan 73			8 r	14								
		6 Feb 73			20 r	17.5								
+12					20 r	14								
+10		8 Mar 73			12 r	19.5								
		3 Apr 73			12 r	20								
+12					15 r	18.5								
+10		1 May 73			15 r	23								
		28 May 73			25 r	30								
		24 Jul 73			8 r	33.5								
		20 Sep 73			19 r	30								
		13 Nov 73			27 r	16								
		8 Jan 74			28 r	15								
		5 Mar 74			16 r	17.5								
		30 Apr 74			15 r	28								
		24 Jun 74			28 r	27.5								
		20 Aug 74			25 r	29								
		15 Oct 74			28 r	23								
		10 Dec 74			26 r	12								

BRUNSWICK AIRPORT CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+10		25 Aug 70			31.1r	29								Adams, 1976
		23 Oct 70			22 r									
		23 Jun 71			15 r	27								
		13 Jul 71			22 r	28								
		20 Jul 71			25 r	29								
		17 Aug 71			15 r	26								
		14 Sep 71			16 r	26.5								
		12 Nov 71			21.5r	17								
		8 Jan 72			18 r	11								
		11 Apr 72			17 r	18								
		19 May 72			20.5r	24.2								
		6 Jun 72			20 r	25								
		5 Jul 72			28 r	29								
		14 Sep 72			22 r	26								
		6 Feb 73			20 r	13.5								
		8 Mar 73			12 r	16.5								
		3 Apr 73			17 r									
		28 May 73			24 r	26								

CROOKED RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+17.1	0.0	26 Jun 71		0	12.6	31					5.6			Hackney, 1972
			b	12.7	31						5.2			
+16.3	0.0			0	13.4	30					5.6			
			b	12.6	30						5.2			
+10.4	0.0			0	15.6	28.5					5.8			
			b	15.5	28.0						4.6			
+17.1	0.0	24 Jul 71		0	21.5	33.5					4.4			
			b	22.0	33.0						5.0			
+16.3	0.0			0	21.8	32.0					5.2			
			b	21.2	30.0						4.6			
+13.7	0.0			0	21.5	30.0					4.6			
			b	21.2	29.0						4.0			
+10.4	0.0			0	22	29.5					4.6			
			b	21.5	29.0						4.6			
		24 Aug 71	1230	0	16.2	28.0					4.3			
				b	17	29.0						4.5		
+13.7	0.0		1300	0	11.8	29.5					3.6			
				b	11.8	30						3.8		
+16.3	0.0		1313	0	12.6	31					4.2			
				b	12.6	31						4.2		

CROOKED RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+17.1	0.0	24 Aug 71	1321	0	13.5	32.5					3.6			Hackney, 1972
				b	13.5	32.0						4.1		
+10.4	0.0		1510	0	12.5	28.5					3.8			
				b	12.5	28.5						4.0		
+13.7	0.0		1525	0	12.1	29.5					3.9			
				b	12.7	29.0						3.9		
+16.3	0.0		1535	0	12.5	31					4.2			
				b	12.5	30						4.2		
+17.1	0.0		1545	0	13.5	31.5					3.1			
				b	13.5	31.0						3.0		
+10.4	0.0		1700	0	11.1	28.5					4.2			
				b	12.3	28.0						4.3		
+13.7	0.0		1721	0	11.9	29.0					3.7			
				b	11.7	28.5						3.8		
+16.3	0.0		1730	0	12.4	30.5					4.3			
				b	12.4	29						4.3		
+17.1	0.0		1736	0	13.4	31.0					3.1			
				b	13.4	30.0						3.0		

CROOKED RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+10.4	0.0	24 Aug 71	1930	0	16.2	28.0					4.4			Hackney, 1972
				b	17.3	27.5						4.5		
+13.7	0.0		1949	0	12.1	28.5					3.5			
				b	11.9	28.0						3.6		
+16.3	0.0		2008	0	11.9	29.5					3.9			
				b	11.9	29.0						4.0		
+17.1	0.0		2020	0	12.5	30					3.9			
				b	12.5	29						3.9		
+10.4	0.0		2205	0	20.3	28.0					4.6			
				b	22.7	27.0						4.5		
+13.7	0.0		2236	0	12.3	28.0					4.0			
				b	15.6	28.0						4.0		
+16.3	0.0		2240	0	12.0	29					3.4			
				b	11.7	28						3.5		
+17.1	0.0		2253	0	11.8	29.5					3.4			
				b	11.5	28.5						3.7		
+10.4	0.0	25 Aug 71	0407	0	12.2	28.0					3.5			
				b	13.7	27.0						3.8		
+13.7	0.0		0424	0	11.9	28.5					3.0			
				b	11.9	27.5						3.2		

CROOKED RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+16.3	0.0	25 Aug 71	0437	0	12.4	28					2.5			Hackney, 1972
				b	12.8	27				2.4				
+17.1	0.0		0449	0	13.4	26.5					1.5			
				b	13.2	26				1.6				
+10.4	0.0		0630	0	12.9	28.0					3.8			
				b	14.0	27.0				4.0				
+13.7	0.0		0645	0	11.5	28.5					3.1			
				b	11.5	27.5				3.3				
+16.3	0.0		0656	0	12.3	28					2.6			
				b	12.3	27				2.3				
+17.1	0.0		0704	0	13.1	27.5					2.1			
				b	12.9	27.0				2.2				
+10.4	0.0		0911	0	19.3	28					4.1			
				b	22.9	28				4.0				
+13.7	0.0		0924	0	12.3	28.0					3.8			
				b	13.6	28.0				3.5				
+16.3	0.0		0933	0	12.3	28.5					3.0			
				b	12.3	28				3.0				
+17.1	0.0		0940	0	12.7	28.5					2.6			
				b	12.9	28.0				2.8				

CROOKED RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+10.4	0.0	25 Aug 71	1510	0	14.0	28.5					3.6			Hackney, 1972
				b	14.6	28.5						3.8		
+13.7	0.0		1523	0	12.3	29.0					3.6			
				b	12.5	29.0						3.6		
+16.3	0.0		1532	0	13.1	30.5					4.0			
				b	13.1	30						4.1		
+17.1	0.0		1544	0	13.5	31.0					3.3			
				b	13.5	30.5						3.4		
		28 Aug 71		0	11.4	31					3.4			
			b		11.4	31					3.6			
+16.3	0.0			0	12.3	31					4.0			
				b	12.5	30						4.1		
+13.7	0.0			0	12.5	29.5					3.5			
				b	12.5	29						3.6		
+10.4	0.0			0	15.3	29					4.1			
				b	21.5	28						3.8		
+17.1	0.0	2 Oct 71		0	16.2	29.0					3.7			
				b	16.4	26.5						3.3		
+16.3	0.0			0	16.2	26.0					3.8			
				b	16.4	26.5						3.6		

CROOKED RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+13.7	0.0	2 Oct 71		0	16.2	26.0					3.6			Hackney, 1972
				b	16.2	25.5				3.3				
+10.4	0.0			0	16.2	26.0					4.3			
				b	16.4	27.0				4.3				
+17.1	0.0	6 Nov 71		0	15.1	22.2					5.1			
				b	15.1	22.0				5.9				
+16.3	0.0			0	15.3	22.4					6.3			
				b	15.3	22.4				6.4				
+13.7	0.0			0	14.6	22.3					6.3			
				b	14.4	22.3				6.4				
+10.4	0.0			0	16.7	21.7					5.9			
				b	16.7	21.7				5.8				
		19 Nov 71		0	18.2	19.3								
				b	18.2	19.4								
			1513	0	18.1	19.7					6.3			
				b	18.1	19.2				6.4				
+13.7	0.0			0	18.6	20.1					6.3			
				b	18.6	20.0				6.3				
+16.3	0.0		1547	0	18.6	20.6					6.3			
				b	18.7	20.2				6.4				

CROOKED RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+17.1	0.0	19 Nov 71	1603	0	18.2	21.1					5.7			Hackney, 1972
				b	18.3	20.9						6.2		
+10.4	0.0		1743	0	18.1	18.9					6.4			
				b	18.4	18.8						6.5		
+13.7	0.0		1802	0	18.4	19.4					6.1			
				b	18.5	19.4						6.2		
+16.3	0.0		1817	0	18.7	20.1					6.2			
				b	18.7	19.9						6.2		
+17.1	0.0		1830	0	18.6	20.2					5.9			
				b	18.6	20.2						6.0		
+10.4	0.0		2048	0	24.0	19.0					6.4			
				b	25.0	19.1						6.5		
+13.7	0.0		2106	0	19.3	18.7					6.3			
				b	19.1	18.8						6.3		
+16.3	0.0		2126	0	18.3	19.2					6.1			
				b	18.4	19.2						6.1		
+17.1	0.0		2138	0	18.6	19.3					6.0			
				b	18.6	19.3						6.1		
+10.4	0.0	20 Nov 71	0002	0	19.8	18.8					6.2			
				b	19.9	18.8						6.2		

CROOKED RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+13.7	0.0	20 Nov 71	0024	0	18.5	19.2					5.6			Hackney, 1972
				b	18.4	19.2				5.7				
+16.3	0.0		0040	0	18.6	19.3					4.8			
				b	18.6	19.2				4.9				
+17.1	0.0		0054	0	18.5	19.0					4.4			
				b	18.4	18.9				4.7				
+10.4	0.0		0257	0	18.3	18.9					5.9			
				b	18.3	18.9				6.0				
+13.7	0.0		0319	0	18.6	19.2					5.4			
				b	18.7	19.1				5.4				
+16.3	0.0		0336	0	18.7	19.2					4.8			
				b	18.6	19.3				4.7				
+17.1	0.0		0348	0	18.3	18.9					3.6			
				b	18.3	18.8				3.8				
+10.4	0.0		0554	0	18.2	18.7					6.3			
				b	18.9	18.6				6.3				
+13.7	0.0		0623	0	18.4	19.0					5.7			
				b	18.9	19.1				5.7				
+16.3	0.0		0646	0	18.7	19.2					5.1			
				b	18.7	19.2				4.8				

CROOKED RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+17.1	0.0	20 Nov 71	0701	0	18.6	19.2					4.7			Hackney, 1972
				b	18.6	19.1					4.8			
		11 Dec 71		0	12.4	19.1					3.9			
				b	12.4	19.0					3.8			
+16.3	0.0			0	11.9	18.4					4.7			
				b	11.9	18.3					4.7			
+13.7	0.0			0	12.2	17.7					6.2			
				b	12.5	17.4					6.4			
+10.4	0.0			0	15.0	16.1					6.9			
				b	15.8	16.0					7.1			
+17.1	0.0	22 Jan 72		0	1.0	16.4					6.8			
				b	1.5	16.5					6.9			
+16.3	0.0			0	8.2	16.4					6.4			
				b	8.3	16.2					6.6			
+13.7	0.0			0	6.7	14.8					7.0			
				b	7.7	14.8					7.1			
+10.4	0.0			0	8.1	13.1					7.2			
				b	8.3	13.1					7.4			

CROOKED RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+17.1	0.0	22 Jan 72		0	3.3	18.2					6.6			Hackney, 1972
				b	3.3	18.0					6.2			
+16.3	0.0			0	3.0	16.3					6.9			
				b	3.0	15.8				6.7				
+13.7	0.0			0	3.8	14.0					6.9			
				b	3.8	13.7				7.1				
+10.4	0.0			0	5.4	13.2					7.7			
				b	5.9	13.9				7.9				
		25 Feb 72	0910	0	7.3	11.5					8.0			
				b	7.4	11.6				8.1				
+13.7	0.0		0925	0	3.4	11.9					7.3			
				b	3.5	12.2				7.5				
+16.3	0.0		0945	0	2.6	13.0					6.4			
				b	2.6	13.1				6.5				
+17.1	0.0		0958	0	2.9	14.5					6.0			
				b	3.0	13.8				6.1				
+10.4	0.0		1215	0	4.9	13.3					8.0			
				b	6.6	12.4				8.3				
+13.7	0.0		1230	0	2.9	13.2					7.3			
				b	3.4	12.2				7.6				

CROOKED RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+16.3	0.0	25 Feb 72	1250	0 b	2.7 2.7	15.7 13.7					7.3 6.6			Hackney, 1972
+17.1	0.0		1303	0 b	3.3 3.3	16.7 16.5					6.8 6.0			
+10.4	0.0		1510	0 b	7.7 11.6	13.0 12.0					8.3 8.2			
+13.7	0.0		1525	0 b	4.7 4.8	12.8 12.5					7.8 7.9			
+16.3	0.0		1544	0 b	2.7 2.8	14.8 12.9					7.4 7.0			
+17.1	0.0		1555	0 b	2.7 2.7	15.1 15.1					7.0 7.1			
+10.4	0.0		1810	0 b	11.9 13.2	13.6 13.2					8.5 8.4			
+13.7	0.0		1825	0 b	6.1 8.9	12.6 12.5					8.0 8.1			
+16.3	0.0		1840	0 b	3.2 3.9	12.9 12.6					7.3 7.6			

CROOKED RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+17.1	0.0	25 Feb 72	1853	0	2.8	13.4					7.0			Hackney, 1972
				b	2.8	13.4						7.1		
+10.4	0.0		2115	0	7.1	12.5					8.0			
				b	9.1	12.3						8.2		
+13.7	0.0		2135	0	3.7	12.6					7.3			
				b	3.7	13.1						7.5		
+16.3	0.0		2155	0	2.7	14.6					6.0			
				b	2.7	14.5						6.2		
+17.1	0.0		2208	0	3.0	16.0					5.0			
				b	3.2	15.9						5.3		
+10.4	0.0	26 Feb 72	0015	0	4.2	12.7					7.7			
				b	7.5	13.0						8.0		
+13.7	0.0		0035	0	3.0	13.2					7.0			
				b	3.3	13.0						7.1		
+16.3	0.0		0100	0	2.7	14.8					5.8			
				b	2.7	14.6						5.8		
+17.1	0.0		0113	0	3.5	15.8					4.1			
				b	4.4	15.5						4.0		
+10.4	0.0		0320	0	6.7	12.3					8.0			
				b	10.4	12.2						8.2		

CROOKED RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+13.7	0.0	26 Feb 72	0340	0 b	4.8 4.9	12.5 12.6					7.5 7.6			Hackney, 1972
+16.3	0.0		0400	0 b	2.7 2.8	13.6 13.6					6.5 6.7			
+17.1	0.0		0413	0 b	2.7 2.6	14.4 14.4					5.9 6.0			
+10.4	0.0		0625	0 b	16.2 19.2	12.1 12.1					8.1 8.4			
+13.7	0.0		0645	0 b	11.4 12.0	12.2 12.2					7.8 7.9			
+16.3	0.0		0709	0 b	4.6 4.6	12.4 12.4					7.7 7.7			
+17.1	0.0		0718	0 b	4.4 4.6	12.6 12.6					7.4 7.4			
+10.4	0.0		1100	0 b	5.4 5.9	13.2 13.9					7.7 7.9			
+13.7	0.0		1130	0 b	3.8 3.8	14.0 13.7					6.9 7.1			

CROOKED RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+16.3	0.0	26 Feb 72	1215	0	3.0	16.3					6.9			Hackney, 1972
				b	3.0	15.8				6.7				
+17.1	0.0		1245	0	3.3	18.2					6.6			
				b	3.3	18.0				6.2				
		25 Mar 72		0	10.3	17.8					5.2			
				b	10.3	17.6				5.4				
+16.3	0.0			0	10.2	17.8					5.4			
				b	10.3	17.6				5.4				
+13.7	0.0			0	11.1	18.0					6.0			
				b	11.3	17.9				6.1				
+10.4	0.0			0	14.3	16.9					6.7			
				b	14.4	17.7				6.8				
+17.1	0.0	28 Apr 72		0	14.0	24.3					6.6			
				b	14.1	23.2				6.2				
+16.3	0.0			0	14.2	22.7					6.4			
				b	14.3	23.0				6.4				
+13.7	0.0			0	14.1	22.3					5.3			
				b	14.2	22.0				5.3				
+10.4	0.0			0	13.9	22.2					5.6			
				b	13.9	22.0				5.8				

CROOKED RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+10.4	0.0	27 May 72	1345	γ	20.1	25.3					6.0			Hackney 1972
				b	23.4	24.7						5.6		
+13.7	0.0		1400	0	15.5	25.3					5.6			
				b	16.2	25.1						5.0		
+16.3	0.0		1415	0	18.0	25.3					4.6			
				b	18.0	25.3						4.5		
+17.1	0.0		1425	0	18.1	24.9					4.2			
				b	18.0	24.9						4.3		
+10.4	0.0		1710	0	21.5	24.7					5.6			
				b	21.8	24.8						5.6		
+13.7	0.0		1725	0	16.4	25.0					5.0			
				b	16.3	25.0						5.1		
+16.3	0.0		1745	0	19.0	24.9					4.1			
				b	19.0	24.9						4.3		
+17.1	0.0		1755	0	18.1	24.8					3.9			
				b	18.0	24.8						3.9		
+10.4	0.0		2005	0	16.2	24.8								
				b	16.2	24.8								
+13.7	0.0		2020	0	17.8	24.8								
				b	17.8	24.9								

CROOKED RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+16.3	0.0	27 May 72	2035	0	18.2	24.5								Hackney, 1972
				b	18.1	24.6								
+17.1	0.0		2045	0	17.7	24.2								
				b	17.6	24.2								
+10.4	0.0		2335	0	13.4	23.9								
				b	17.2	24.4								
+13.7	0.0		2355	0	17.5	24.7								
				b	17.5	24.8								
+16.3	0.0	28 May 72	0010	0	18.0	24.6								
				b	18.0	24.5								
+17.1	0.0		0020	0	17.9	24.0								
				b	17.9	24.2								
+10.4	0.0		0335	0	22.7	23.6								
				b	25.2	24.3								
+13.7	0.0		0345	0	17.3	23.3								
				b	18.7	24.1								
+16.3	0.0		0355	0	16.9	24.4								
				b	17.3	24.5								
+17.1	0.0		0405	0	17.6	24.2								
				b	17.5	24.4								
+10.4	0.0		0625	0	17.4	24.0								
				b	17.4	24.0								
+13.7	0.0		0630	0	17.4	24.1								
				b	17.2	24.0								

CROOKED RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+17.1	0.0	28 May 72	0645	0	17.6	22.4								Hackney, 1972
				b	17.6	22.3								
		16 Jul 72		0	14.3	33.2					4.6			
				b	14.3	33.3						4.8		
+16.3	0.0			0	13.8	32.0					4.6			
				b	13.8	31.9						4.7		
+13.7	0.0			0	15.6	30.0					4.9			
				b	17.5	29.3						4.6		
+10.4	0.0			0	21.6	29.3					5.7			
				b	21.7	29.2						5.4		
		23 Aug 72		0	23.3	29.3					4.1			
				b	21.3	29.2						4.0		
+13.7	0.0			0	22.2	29.7					4.3			
				b	22.2	29.3						3.3		
+16.3	0.0			0	23.1	30.0					5.2			
				b	23.0	29.5						4.5		
+17.1	0.0			0	23.0	31.0					4.4			
				b	23.1	30.2						3.7		
		20 Oct 72		0	23.5	19.2					5.1			
				b	23.6	19.2						5.0		
+16.3	0.0			0	24.0	20.2					5.4			
				b	24.1	20.2						5.4		

CROOKED RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+13.7	0.0	20 Oct 72		0	25.1	20.9					5.2			Hackney, 1972
				b	25.2	20.9				5.2				
+10.4	0.0			0	27.0	21.7					5.6			
				b	27.0	21.7				5.5				
+17.1	0.0	1 Dec 72		0	19.9	12.0					7.4			
				b	19.9	11.2				6.9				
+16.3	0.0			0	19.9	12.0					6.6			
				b	20.5	11.1				6.6				
+13.7	0.0			0	21.0	12.6					7.0			
				b	20.9	12.1				7.1				
+10.4	0.0			0	22.1	12.9					7.8			
				b	22.4	13.0				8.0				

PLANTATION CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 9		14 Sep 72			26 r	27								* Adams, 1976
		12 Oct 72			22 r	23								
		9 Nov 72			26 r	20								
		14 Dec 72			29 r	18								
		24 Jan 73			10 r	13								
		6 Feb 73			20 r	13.5								
		8 Mar 73			16 r	16								
		3 Apr 73			14 r	18								
		1 May 73			20 r	21								
		28 May 73			25 r	26.5								
		24 Jul 73			25 r	30								
		20 Sep 73			28 r	29								
		13 Nov 73			29 r	16.5								
		8 Jan 74			28 r	15								
		5 Mar 74			22 r	16.5								
		30 Apr 74			23 r	23								
		24 Jun 74			30 r	28								
		20 Aug 74			30 r	29								
		15 Oct 74			28 r	23								
		10 Dec 74			26 r	10.5								
		4 Feb 75			15 r	14								
		2 Apr 75			10 r	18								
		27 May 75			16 r	28								
		16 Sep 75			21 r	26								
		11 Nov 75			21 r	24.5								

PLANTATION CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 9		6 Jan 76			18	r	10							Adams,
		24 Feb 76			20	r	15							1976

SOUTH BRUNSWICK RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+15.6	0.0	8 Aug 73		0	22 r	28.5					5.4	7.6		Dunstan & Stickney, 1974
				b	22 r	23.5					4.7	7.1		

FANCY BLUFF CREEK

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+17.3	0.0	8 Aug 73		0	20 r	29					5.0	7.3		Dunstan &
				b	22 r	29					5.1	7.4		Stickney, 1974

SECTION 9 - ST. ANDREWS

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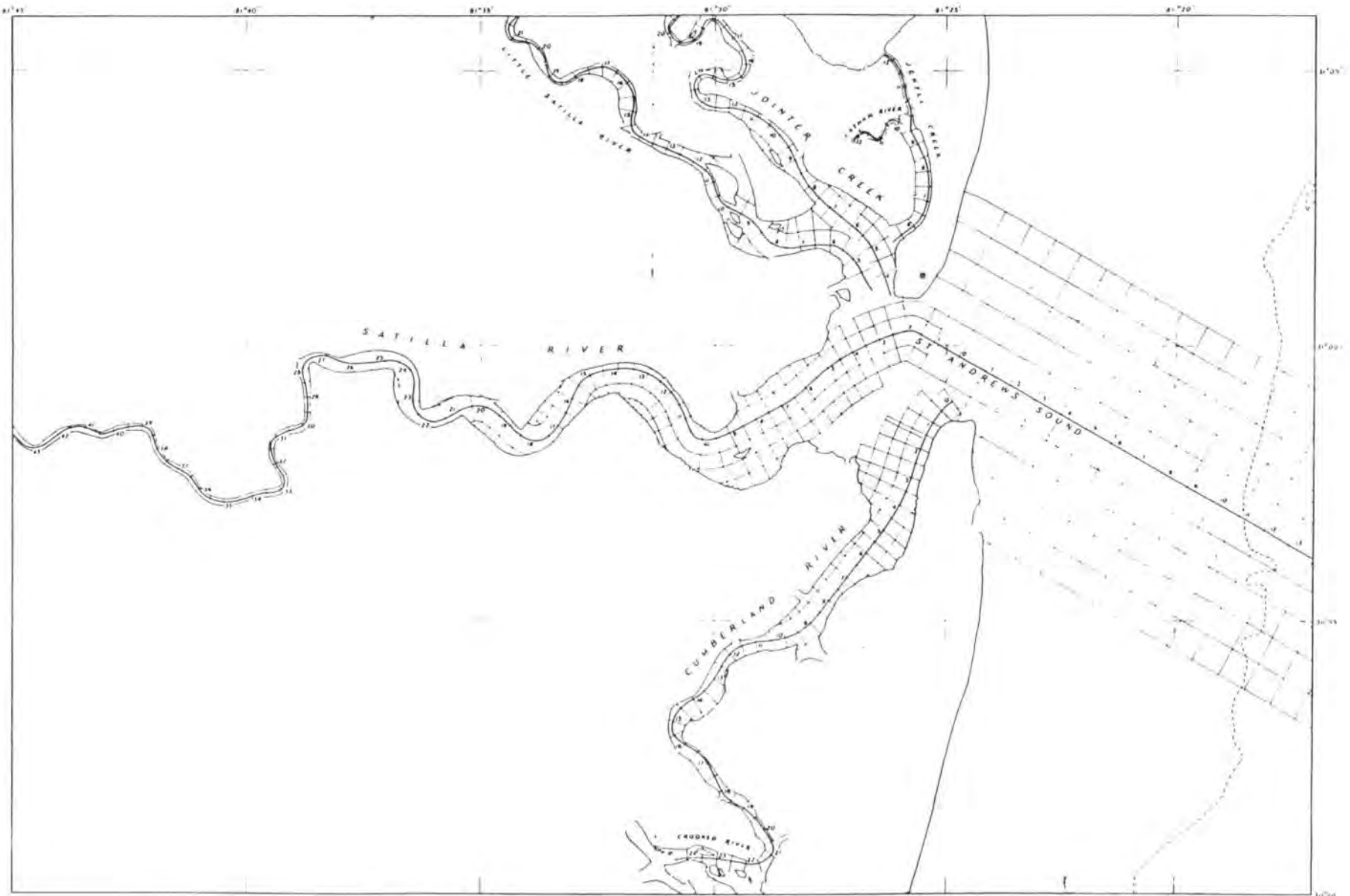


Figure 9. Station Locations, St. Andrews Section

ST. ANDREWS SOUND - SATILLA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+40.9	0.0	29 Sep 69	----	9	0.0	25.0	13							Howard, 1971
+38.9	0.0		----	9	0.0	25.2	9							
+37.0	0.0		----	8	0.0	24.9	6							
+35.1	0.0		----	6.5	0.0	24.5	47							
+33.2	0.0		----	7	0.0	24.2	45	315						
+31.3	0.0		----	9.5	0.0	22.9	45	235						
+29.3	0.0		----	9	0.0	24.5	49	060						
+27.2	0.0		----	7.5	0.0	24.4	72	285						
+25.0	0.0		----	5.5	0.1	24.2	46	290						
+22.8	0.0		----	7.5	0.2	24.3	36	220						
+20.7	0.0	----	7.5	0.3	24.4	17	325							
+18.0	+0.1	----	11.5	2.9	24.7	62	115							
+15.7	-0.1	----	11.5	3.0	23.7	72	205							
+13.7	-0.1	30 Sep 69	----	9.5	2.9	22.1	44	145						
+12.4	-0.1		----	10	6.6	23.3	47	160						
+10.3	0.0		----	8.5	11.7	24.3	51	045						
+ 9.7	- 1.2	----	10	16.9	24.4	49	105							
+ 8.4	- 1.7	----	12	17.7	24.4	57	135							
+ 7.0	- 0.7	----	7.5	22.3	24.4	36	120							
+ 5.4	+0.1	19 Nov 69	----	5	14.5	16.3		215						
+ 4.2	0.0		----	6.5	19.3	15.6		205						
+ 4.2	0.0		----	6	23.2	16.2		020						
+ 2.5	0.0	----	13	23.5	15.9		350							
+ 0.7	0.0	----	6.5	22.7	16.1		190							
- 1.2	0.0	----	24.5	28.3	16.2		180							

ST ANDREWS SOUND - SATILLA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TMEP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 0.7	-1.1	3 Nov 70	0650	0			67	240					ebb	Howard, 1971
				5.5			67							
				10.5			67							
			0700	0	30.0	21.3			36				ebb	
				4.5	30.1	21.4		36						
				9	30.3	21.5		26						
				13.5	30.3	21.6		136						
+ 2.0	0.0		0700	0	28.5	21.5			36				ebb	
				4.5	28.6	21.6								
				9	28.7	21.6		20						
+ 2.0	+0.9		0700	0	28.9	21.4			100				ebb	
				4.5	28.9	21.2		96						
				9	28.9	21.5								
				13.5	29.1	21.5								
+ 2.0	0.0		0710	0			67	260					ebb	
				3			52							
				5.5			40							
+ 2.0	+0.9		0717	0			34	240					ebb	
				5.5			40							
				10.5			21							
- 0.7	- 1.1		0800	0	30.2	21.3							ebb	
				4.5	30.6	21.2		32						
				9	30.7	21.3		28						
				13.5	30.9	21.3		64						

ST. ANDREWS SOUND - SATILLA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TMEP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.0	0.0	3 Nov 70	0800	0	29.4	21.3			64				ebb	Howard, 1971
				3	29.5	21.4			64					
				5.5	29.7	21.4			64					
+ 2.0	+0.9		0800	0	29.2	21.3			104				ebb	
				4.5	29.3	21.3			392					
				9	29.3	21.3								
				13.5	29.5	21.4								
- 0.7	- 1.1		0830	0			79	240					ebb	
				5.5			76							
				10.5			73							
+ 2.0	0.0		0840	0			61	260					ebb	
				3			61							
				6			46							
+ 2.0	+0.9		0850	0			37	235					ebb	
				5.5			37							
				10.5			43							
- 0.7	- 1.1		0900	0	30.8	21.2			36				ebb	
				4.5	31.1	21.2			124					
				9	31.1	21.3			64					
				13.5	31.1	21.2			116					
+ 2.0	0.0		0900	0	29.7	21.3			120				ebb	
				3	30.5	21.2			64					
				5.5	30.3	21.3			92					
+ 2.0	+0.9		0900	0	29.4	21.4			76				ebb	
				4.5	29.4	21.3			160					
				9	30.2	21.3			160					

ST. ANDREWS SOUND - SATILLA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.0	+ 0.9	3 Nov 70	0900	13.5	30.5	21.4			236				ebb	Howard, 1971
- 0.7	- 1.1		'0940	0			85	245					ebb	
				5.5			82							
				10.5			70							
+ 2.0	0.0		0953	0			30	260					ebb	
				3			43							
				6.5			30							
+ 2.0	+ 0.9		1000	0	29.8	21.4	40	240	224				ebb	
				4.5	29.8	21.4			148					
				5.5			40							
				9	30.3	21.4			168					
				10.5			40							
				13.5	30.7	21.3								
- 0.7	- 1.1		1000	0	31.3	21.3			188				ebb	
				4.5	31.2	21.2			56					
				9	31.4	21.1			76					
				13.5	31.4	21.2			112					
+ 2.0	0.0		1000	0	30.6	21.4			164				ebb	
				3	31.1	21.2			84					
				5.5	31.1	21.3			128					
- 0.7	- 1.1		1040	0			52	250						
				5.5			46							
				10.5			52							
			1100	0	31.3	21.3			052					
				4.5	31.4	21.2			052					
				9	31.7	21.2			044					

ST. ANDREWS SOUND - SATILLA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 0.7	- 1.1	3 Nov 70	1100	13.5	31.8	21.2			272					Howard, 1971
+ 2.0	0.0		1100	0	30.7	21.7	30	240	204					
				3.5			34							
				4.5	31.3	21.3								
				6.5			30							
				9	31.5	21.4			68					
+ 2.0	+ 0.9		1100	0	29.9	21.4	43	240						
					4.5	30.2	21.5			36				
					5.5			40						
					9	31.5	21.4							
					10.5			43						
					13.5	31.7	21.3							
- 0.7	- 1.1		1140	0			0						high	
+ 2.0	+ 0.9		1140	0			0							
+ 2.0	0.0		1150	0			0							
- 0.7	- 1.1		1200	0	31.2	21.6			28					
					4.5	31.4	21.3			24				
					9	31.7	21.3			44				
					13.5	32.1	21.4			60				
+ 2.0	0.0		1200	0	29.9	21.9			56					
					3	30.4	21.6			52				
					5.5	31.8	21.4			64				
+ 2.0	+ 0.9		1200	0	29.9	21.9			60					
					4.5	31.3	21.4			52				
					9	31.4	21.4			80				
					13.5	31.8	21.3							

ST. ANDREWS SOUND - SATILLA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+2.0	+0.9	3 Nov 70	1230	0			49	105						Howard, 1971
				4.5			40							
				10.5			27							
+2.0	0.0		1236	0			30	105						
				3			27							
				6.5			24							
-0.7	-1.1		1250	0			55	095						
				5.5			61							
				10.5			61							
			1300	0	30.8	21.8			24					
				4.5	31.2	21.6			24					
				9	31.4	21.3			52					
				13.5	31.7	21.3								
+2.0	0.0		1300	0	30.0	22.0			28					
				3	30.4	21.7			36					
				5.5	30.7	21.7			48					
+2.0	+0.9		1300	0	29.8	21.5			48					
				4.5	30.2	21.5			126					
				9	30.3	21.4			48					
				13.5	30.5	21.4			124					
+2.0	+0.9		1330	0			98	105						
				5.5			91							
				10.5			79							

ST. ANDREWS SOUND · SATILLA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.0	0.0	3 Nov 70	1345	0			52	110						Howard, 1971
				3			40							
				5.5			21							
- 0.7	- 1.1		1357	0			134	085						
				5.5			131							
				10.5			122							
			1400	0	31.0	21.3			24					
				4.5	31.1	21.3			56					
				9	31.0	21.3			60					
				13.5	31.0	21.3			72					
+ 2.0	0.0		1400	0	29.6	21.8			84					
				3	29.7	21.7		104						
				5.5	30.1	21.8		8						
+ 2.0	+ 0.9		1400	0	28.2	21.9			180					
				4.5	29.0	21.6		196						
				9	29.4	21.6		172						
				13.5	29.4	21.6		152						
			1455	0			104	105						
				5.5			98							
				10.5			85							
-0.7	- 1.1		1500	0	30.6	21.7			64					
				4.5	30.5	21.6		496						
				9	30.7	21.6		140						
				13.5	30.6	21.6		76						

ST. ANDREWS SOUND - SATILLA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.0	0.0	3 Nov 70	1500	0	29.1	21.9			56					Howard, 1971
				3	29.8	21.8			76					
				5.5	30.2	21.6			88					
+ 2.0	+0.9		1500	0	28.0	21.7			52					
				4.5	28.5	21.8			146					
				9	29.0	21.8			128					
				13.5	29.0	21.6			104					
+ 2.0	0.0		1505	0			64	105						
				3			46							
				5.5			34							
- 0.7	- 1.1		1515	0			122	090						
				5.5			101							
				10.5			91							
+ 2.0	0.0		1535	0			64	110						
				3			61							
				6			46							
+ 2.0	+0.9		1550	0			82	110						
				5.5			70							
				10.5			58							
- 0.7	- 1.1		1600	0	30.1	21.7			80					
				4.5	30.0	21.7			88					
				9	30.1	21.7			144					
				13.5	30.2	21.5			164					
+ 2.0	0.0		1600	0	29.5	21.8			52					
				3	29.7	21.7			112					
				5.5	29.8	21.7			124					

ST. ANDREWS SOUND - SATILLA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.0	+ 0.9	3 Nov 70	1600	0	27.5	22.1			120					Howard, 1971
				4.5	28.1	21.9			124					
				9	28.3	21.7			112					
				13.5	28.4	21.8								
- 0.7	- 1.1		1610	0			94	090						
				5.5			79							
				10.5			67							
+ 2.0	+ 0.9		1645	0			58	105						
				5.5			46							
				10.5			34							
+ 2.0	0.0		1650	0			55	105						
				3			49							
				5			18							
- 0.7	- 1.1		1700	0	29.7	21.7	64	085	60					
				4.5	29.5	21.6			76					
				5.5			46							
				9	29.7	21.8			68					
				10.5			37							
				13.5	30.0	21.7			44					
+ 2.0	0.0		1700	0	28.3	21.7			108					
				3	28.5	21.8			140					
				5.5	28.4	21.8								
+ 2.0	+ 0.9		1700	0	27.6	21.5			48					
				4.5	27.9	21.9			104					
				9	28.8	21.9			96					
				13.5	29.0	21.8			172					
			1740	0			24	105						
				5.5			18							
				10.5			12							

ST. ANDREWS SOUND - SATILLA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.0	0.0	3 Nov 70	1745	0			34	100						Howard, 1971
				2.5			27							
				5			15							
- 0.7	- 1.1		1800	0	29.5	21.9	24	080	16					
				4.5	29.5	21.9			36					
				5.5			21							
				9	29.6	21.7			56					
				10.5			9							
				13.5	29.8	21.9			76					
+ 2.0	0.0		1800	0	27.6	22.0			52					
				3	27.8	22.0			84					
				5.5	28.1	21.9			112					
+ 2.0	+ 0.9		1800	0	27.2	21.7			96					
				4.5	27.8	22.0			24					
				9	28.2	22.0			60					
			1840	0			21	240					Flood	
				5.5			21							
				10.5			37							
- 0.7	- 1.1		1900	0	29.4	21.5			40					
				4.5	29.6	22.0			4					
				9	29.9	21.8			28					
				13.5	29.6	21.8			36					
+ 2.0	0.0		1900	0	27.9	21.7			60					
				3	27.6	21.5			28					
				5.5	27.8	21.9			40					

ST. ANDREWS SOUND - SATILLA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 2.0	+ 0.9	3 Nov 70	1900	0	27.9	21.8			36					Howard, 1971
				4.5	27.8	21.7								
				9	28.0	21.4			100					
+41.2	0.0	10 Jan 72	----	0	0.0t	25.6			11		6.7	5.3		EPD, 1973a
		14 Feb 72	----	0	0.0t	15.5			1		8.2	5.3		
		13 Mar 72	----	0	0.0t	24.1			11		7.0	5.0		
		10 Apr 72	----	0	0.0t	20.5			13		5.6	5.1		
		15 May 72	----	0	1.2t	28.5			52		4.4	6.3		
+40.4	- 0.1	17 May 72	1630	0	1	25.0					4.3	6.2		Windom, 1973
+33.5	0.0		1645	0	4	24.3					5.8	6.9		
+27.0	- 0.1		1700	0	7	24.3					5.4	7.1		
+20.7	- 0.1		1720	0	10	24.5					5.9	7.5		
+13.8	- 0.3		1745	0	17	24.5					5.9	7.8		
+ 7.4	0.0	18 May 72	0700	0	25	24.1					6.0	8.1		
+ 3.5	0.0		0730	0	26	24.1					5.4	8.1		
+41.2	0.0	12 Jun 72	----	0	2.1t	27.5			73		4.3	6.9		EPD, 1973a
		10 Jul 72	----	0	0.0t	29.5			16		3.2	5.8		
+ 3.5	0.0	27 Jul 72	1030	0	26	28					6.3	7.8		Windom, 1973
+ 7.4	0.0		1050	0	26	28					6.0	7.8		
+13.8	- 0.3		1110	0	15	28					6.2	7.5		
+20.7	- 0.1		1130	0	5	28					5.1	6.9		
+27.0	- 0.1		1155	0	0	28					2.5	6.3		
+33.5	0.0		1210	0	0	28					2.2	6.1		
+40.4	- 0.1		1250	0	0	28					2.6	6.0		

ST. ANDREWS SOUND - SATILLA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+41.2	0.0	14 Aug 72	---	0	0.1t	31.3			7		2.9	5.8		EPD, 1973a
+40.4	- 0.1	2 Sep 72	1445	0	0	28.9					5.0	6.2		Windom, 1973
+33.5	0.0		1515	0	0	28.5					4.5	6.7		
+27.0	- 0.1		1545	0	8	28.5					5.1	7.0		
+20.7	- 0.1		1605	0	18	29.0					6.5	7.6		
+13.8	- 0.3		1625	0	24	29.0					6.6	7.7		
+ 7.4	0.0		1650	0	31	28.5					6.3	8.0		
+ 3.5	0.0		1710	0	32	28.0					6.7	8.0		
+41.2	0.0	18 Sep 72	----	0	0.1t	31.7			4		4.7	6.8		EPD, 1973a
		30 Oct 72	----	0	0.1t	23.9			120		5.9	6.5		
+40.4	- 0.1	1 Nov 72	0925	0	10	23.3					4.6	6.6		Windom, 1973
+33.5	0.0		0950	0	16	23.8					4.2	6.7		
+27.0	- 0.1		1012	0	20	24.0					4.2	6.9		
+20.7	- 0.1		1030	0	23	23.8					4.8	7.2		
+13.8	- 0.3		1045	0	28	24.0					4.8	7.3		
+ 7.4	0.0		1110	0	30	24.5					5.0	7.3		
+ 3.5	0.0		1130	0	36	24.0					4.8	7.4		
+41.2	0.0	27 Nov 72	----	0	6.5t	18.5			228		7.5	6.9		EPD, 1973a
+13.8	- 0.3	4 Jan 73	1645	0	16	16.0					8.2	8.2		Windom, 1973
+20.7	- 0.1		1700	0	8	16.0					7.0	8.1		
+27.0	- 0.1		1720	0	3	15.9					8.1	7.7		
+33.5	0.0		1745	0	0	15.9					8.1	7.2		
+40.4	- 0.1		1815	0	0	16.0					8.0	7.0		

ST. ANDREWS SOUND - SATILLA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 7.4	0.0	4 Jan 73	2045	0	26	15.5					7.6	8.4		Windom, 1973
+ 3.5	0.0		2115	0	28	15.5					8.2	8.2		
		6 Mar 73	1320	0	18	16.0					8.5	7.1		
+ 7.4	0.0		1340	0	12	16.0					9.6	6.8		
+13.8	- 0.3		1400	0	2	16.0					9.0	6.5		
+20.7	- 0.1		1430	0	0	16.0					8.6	6.2		
+27.0	- 0.1		1445	0	0	16.5					8.9	6.2		
+33.5	0.0		1505	0	0	17.0					8.4	5.9		
+40.4	- 0.1		1535	0	0	17.0					8.4	5.8		
+ 3.5	0.0			0715	0	28	24.9					7.2	7.9	
+ 7.4	0.0		0740	0	27	25.0					6.6	7.9		
+13.8	- 0.3		0800	0	20	25.0					6.4	7.7		
+20.7	- 0.1		0820	0	15	25.0					6.0	7.4		
+27.0	- 0.1		0840	0	3	25.0					7.2	7.0		
+33.5	0.0		0855	0	0	25.0					6.8	6.0		
+40.4	- 0.1		0920	0	0	25.5					6.8	6.0		
+10.1	- 0.9	11 Sep 73	----	0	18.4t	29.3					5.7	7.6		BJC, 1975
		9 Oct 73	----	0	18.8t	26.2					7.8	7.8		
		13 Nov 73	----	0	31.2t	17.1					8.8	7.9		
		17 Dec 73	1510	0	31.3	10.8					12.3	7.4		
				B	32.0	11.0		11.3	7.4					
			1610	0	32.0	10.5					12.0	7.4		
				B	30.5	11.3		11.2	7.4					
			1730	0	30.5	11.0					11.4	7.4		
				B	31.3	11.8					10.9	7.4		

ST. ANDREWS SOUND - SATILLA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+10.1	- 0.9	17 Dec 73	1815	0	29.8	11.0					11.2	7.4		BJC, 1975
				B	29.8	11.0				10.7	7.4			
			1915	0	28.4	11.0			11.1	7.4				
				B	28.4	11.0			11.6	7.4				
		2005	0	26.9	10.8			11.1	7.4					
			B	26.9	11.0			10.6	7.4					
		2105	0	27.7	11.0			11.1	7.4					
			B	26.9	11.2			10.5	7.4					
		18 Dec 73	----	0	29.3t	12.5			8.1	7.9				
		23 Jan 74	----	0	14.7t	18.0			7.8	7.8				
		26 Feb 74	----	0	9.4t	14.5			8.7	7.5				
		11 Mar 74	1020	0	22.7	20.7			7.7	7.2				
				B	26.9	21.0			7.9	6.8				
			1120	0	24.1	20.7			7.6	7.1				
				B	27.7	21.0			7.5	6.8				
			1220	0	22.7	22.3			7.5	6.8				
B	26.2			21.3			7.6	6.8						
1320	0		19.2	23.3			7.5	6.6						
	B		22.0	22.7			7.4	6.7						
1420	0	17.9	23.0			7.1	7.0							
	B	18.6	22.3			7.1	6.7							

ST. ANDREWS SOUND - SATILLA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+10.1	- 0.9	11 Mar 74	1525	0	15.2	22.3					6.4	6.8		PJC, 1975
				B	15.2	22.3			6.4	6.6				
			1620	0	11.2	21.7			6.3	6.4				
		B		12.5	22.3			6.4	6.3					
		20 Mar 74	----	0	15.7t	19.5			7.3	7.9				
			----	0	12.5t	24.0			6.7	7.6				
		29 May 74	----	0	23.1t	27.0			8.0	7.8				
			----	0	23.1t	27.0			8.0	7.8				
		21 Jun 74	0900	0	29.8	28.0			4.7	7.5				
				B	32.7	28.0			4.7	7.6				
			1000	0	30.5	28.0			4.9	7.5				
				B	32.7	28.0			4.6	7.6				
			1100	0	30.5	28.5			5.2	7.5				
				B	30.5	28.3			4.5	7.5				
			1200	0	27.7	29.0			4.9	7.5				
				B	28.4	28.8			5.0	7.5				
			1305	0	26.9	29.0			4.9	7.5				
B	26.9			29.0			4.9	7.5						
1405	0	23.4	29.2			5.0	7.5							
	B	24.1	29.0			4.8	7.4							
1505	0	21.3	29.0			5.0	7.4							
	B	22.0	29.2			4.9	7.4							

ST. ANDREWS SOUND - SATILLA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+10.1	- 0.9	24 Jul 74	----	0	27.5t	29.0					7.4	7.8		BJC, 1975	
		15 Aug 74	----	0	10.1t	28.0					4.6	7.4			
		18 Sep 74	----	0	8.2t	28.0					3.2	7.3			
		30 Sep 74	0720	0	16.5	24.8						5.3	6.9		
				B	21.3	25.0						5.6	7.2		
				0820	0	17.9	25.0					5.6	7.0		
				B	21.3	25.0					5.6	7.1			
		0920	0	15.2	24.7							5.3	6.8		
			P	19.9	25.0							5.0	7.0		
		1025	0	13.2	24.8							5.2	6.7		
			B	17.9	25.0							5.2	7.0		
		1125	0	16.5	24.8							5.0	6.6		
			B	13.8	25.0							4.9	6.7		
		1225	0	8.7	25.0							4.8	6.4		
			B	7.4	25.0							4.8	6.4		
1325	0	6.2	24.5							4.6	6.2				
	B	6.2	24.5							4.6	6.2				
16 Oct 74	----	0	15.2t	23.5						4.6	7.5				
13 Nov 74	----	0	24.4t	18.0						7.2	7.7				
11 Dec 74	----	0	26.7t	12.0						8.9	7.9				
30 Dec 74	0930	0	31.3	15.2							7.9	7.8			
		B	32.0	15.0							8.0	7.8			

ST. ANDREWS - SATILLA RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TMEP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+10.1	- 0.9	30 Dec 74	1030	0	30.5	15.5					7.8	7.8		BJC, 1975
				B	31.3	15.0					7.9	7.8		
			1130	0	29.8	15.5					7.8	7.8		
				B	29.8	15.0					7.7	7.7		
			1230	0	29.1	15.7					7.8	7.8		
				B	29.8	15.3					7.8	7.8		
			1330	0	27.7	16.1					7.8	7.8		
				B	27.7	15.7					7.7	7.7		
			1430	0	24.8	16.1					7.7	7.7		Jaffe, 1975
				B	25.5	15.7					7.6	7.6		
			1530	0	24.1	15.8					7.7	7.7		
				B	24.1	15.7					7.6	7.7		
- 6.3	+ 3.5	5 Jun 75	1330	0	33.8	27.7								
+ 0.6	+ 0.1	30 Jun 75	1145	0	31.1	29.0								
- 1.6	- 0.2		1155	0	31.8	28.9								
- 3.0	- 0.2		1200	0	32.3	28.9								
- 6.5	- 1.3		1210	0	32.9	28.7								
- 9.8	- 2.7		1225	0	33.2	28.6								
-13.2	- 3.8		1237	0	33.5	28.5								
-15.1	- 4.3		1245	0	34.1	28.3								

LATHAM RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE	
+12.2	---	7 Apr 58	0950		17.9	18.2								Miller & Jorgenson, 1969	
			1045		17.8	19.0									
		23 Apr 58	1000		13.9	22.0									
		7 May 58	1100		15.0	22.1									
			1150				22.0								
		21 May 58	0845		21.6	24.3									
		4 Jun 58	0830		23.2	27.5									
			0920		22.9	27.5									
		20 Jun 58	0900		23.9	27.5									
			----				27.5								
		3 Jul 58	0900		27.5	28.4									
			21 Jul 58	0930	25.4	29.6									
			1020		25.6	30.0									
		1 Aug 58	0830		27.2	30.4									
			0915		27.2	30.5									
		18 Aug 58	0920		30.0	29.7									
			0955		30.0	29.8									
2 Sep 58	0900		31.3	28.8											
	16 Sep 58	0845	28.9	27.8											
2 Oct 58	0845		31.4	26.4											
	16 Oct 58	0845	30.7	23.4											
3 Nov 58	1445		30.4	18.0											
	14 Nov 58	0930	31.0	18.5											
28 Nov 58	0840		31.2	19.7											
	0900		31.4	19.8											

LATHAM RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+12.2	---	8 Sep 59	0940		28.9	30.6								Miller & Jorgenson, 1969
		21 Sep 59	0855		27.4	25.0								
		6 Oct 59	0915		27.4	28.0								
		20 Oct 59	0845		26.9	22.9								
		6 Nov 59	1010		23.0	23.1								
		18 Nov 59	0900		20.7	16.0								
		2 Dec 59	0930		21.8	11.3								
		18 Dec 59	0930		24.5	15.2								
		31 Dec 59	0900		23.4	11.8								
		18 Jan 60	1000		24.4	15.7								
		1 Feb 60	1100		23.7	11.7								
		15 Feb 60	0915		22.2	10.5								
		29 Feb 60	0930		16.3	12.8								
		16 Mar 60	0900		16.1	11.0								
		29 Mar 60	0900		18.8	17.0								
		13 Apr 60	0930		20.4	20.3								
		14 Apr 60	0905		20.4	19.8								
		29 Apr 60	0915		15.2	21.5								
		25 May 60	0930		23.8	26.9								
		12 Jun 60	1000		23.8	25.8								
		27 Jun 60	1000		27.4	28.9								

LATHAM RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+12.2	---	1 May 61	0920		19.3	20.8								Miller & Jorgenson, 1969

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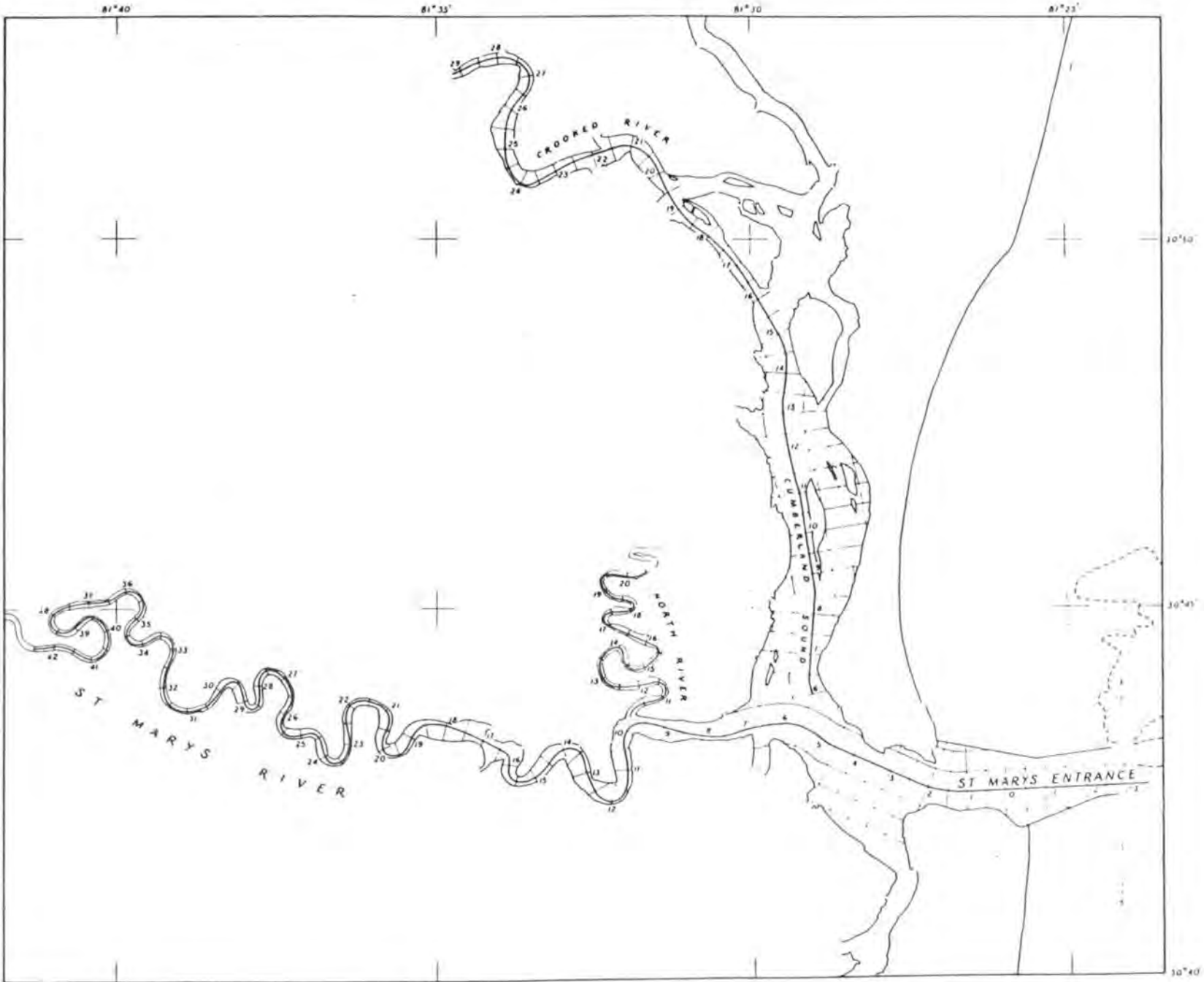


Figure 10. Station Locations, St. Marys Section

ST. MARYS ENTRANCE - ST. MARYS RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+42.4	0.0	8 Sep 69	1600	10	0.0	27.5								Howard, 1971
+41.0	0.0		1630	9	0.0	27.4								
+39.0	0.0		1700	8	0.0	27.3								
+38.1	0.0		1730	10	0.0	27.3								
+36.6	0.0		1800	9	0.0	27.2								
+35.5	0.0		1830	8	0.0	27.3								
+32.0	0.0		1900	9	0.2	27.3								
+30.6	0.0		1930	12	0.2	27.2								
+29.1	0.0		2000	6	0.4	27.2								
+25.5	0.0		2030	12	2.1	27.5								
+23.7	0.0		2100	12.5	4.2	27.5								
			2200		4.1	27.5								
		9 Sep 69	0545		0.1	26.7								
+21.7	0.0		0830	10	0.0	26.8								
+19.5	+0.1		0900	9.5	5.2	27.5								
+17.7	0.0		0930	6	7.2	27.6								
+15.9	0.0		1000	9.5	9.6	27.7								
+13.8	0.0		1040	13	8.0	27.9								
+11.6	0.0	18 Nov 69	---	9.5	26.0	16.8		210						
+ 9.8	0.0		---	14.5	27.9	16.9		345						
+ 8.2	0.0		---	14.5	29.7	16.9		065						
+ 6.5	+0.1		---	8	32.5	16.9		040						
+ 4.6	-0.3		---	11	33.0	16.9		090						
+ 2.8	-0.2		---	16	32.7	17.0		065						
+ 1.1	+0.1		---	17.5	33.0	17.2		115						
- 0.3	0.0		---	16	33.2	17.2		170						

ST. MARYS ENTRANCE - ST. MARYS RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
-0.8	-0.3	4 Nov 70	0655	0			30						flood	Howard, 1971
				4.5			30							
				11.5			30							
-0.8	+0.3		0700	0	30.5	21.3	27		4				flood	
				4.5	30.8	21.5			56					
				5			46							
				9	31.0	21.6			12					
				10.5			46							
				12	32.0	21.5								
-0.8	-0.3		0700	0	30.8	21.4			12				flood	
				4.5	30.8	21.5			12					
				10	30.8	21.5								
				12	31.0	21.5			80					
-0.8	+0.3		0735	0			52						flood	
				5			55							
				10.5			67							
-0.8	-0.3		0740	0			55						flood	
				4.5			76							
				11.5			70							
			0800	0	31.3	21.1			8				flood	
				4.5	32.0	21.1			16					
				10	33.0	20.8			96					
				13.5	32.8	20.8			108					

ST. MARYS ENTRANCE - ST. MARYS RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
-0.8	+0.3	4 Nov 70	0800	0	32.9	21.1			44				flood	Howard, 1971
				4.5	32.9	21.2			12					
				10	33.0	21.0			76					
				13.5	33.1	21.1			104					
-0.8	-0.3		0830	0			76						flood	
				4.5			79							
				11.5			64							
-0.8	+0.3		0835	0			82						flood	
				5			82							
				10.5			55							
			0900	0	33.3	21.3			16				flood	
				4.5	33.4	21.2			20					
				10	33.4	21.2			24					
				13.5	33.7	21.4			24					
-0.8	-0.3		0900	0	32.9	20.8			52				flood	
				4.5	33.5	21.2			56					
				10	33.5	21.3			28					
				13.5	33.5	21.3								
			0920	0			67						flood	
				4.5			82							
				11.5			82							
-0.8	+0.3		0930	0			73						flood	
				5			79							
				10.5			67							
			1000	0	33.1	21.1							flood	
				4.5	33.5	21.4			20					
				10	33.6	21.5			20					
				13.5	33.7	21.5			20					

ST. MARYS ENTRANCE - ST. MARYS RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
-0.8	-0.3	4 Nov 70	1000	0	33.0	20.8			16				flood	Howard, 1970
				4.5	33.2	21.0		36						
				10	33.7	21.3		44						
				13.5	33.6	21.3		60						
-0.8	+0.3		1025	0			73						flood	
				5			73							
				10.5			67							
-0.8	-0.3		1035	0			64						flood	
				4.5			73							
				11.5			67							
-0.8	+0.3		1100	0	32.8	21.1			20				flood	
				4.5	33.5	21.3		20						
				10	33.6	21.5								
				13.5	33.7	21.6		20						
-0.8	-0.3		1100	0	33.0	20.9			28				flood	
				4.5	33.3	21.1		24						
				10	33.8	21.4		44						
				13.5	33.8	21.5		56						
-0.8	+0.3		1130	0			52						flood	
				5			61							
				10.5			55							
-0.8	-0.3		1145	0			46						flood	
				4.5			58							
				11.5			61							
			1200	0	33.6	21.1			32					Howard, 1971
				4.5	33.6	21.0		36						
				9	33.9	21.5		24						
				13.5	33.9	21.6		84						

ST. MARYS ENTRANCE - ST. MARYS RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
-0.8	+0.3	4 Nov 70	1200	0	33.0	21.1			28					Howard, 1971
				5	33.2	21.4			24					
				10.5	33.8	21.6			20					
				13.5	33.9	21.6			16					
-0.8	+0.3		1230	0			21						ebb	
				5			40							
				10.5			30							
-0.8	-0.3		1240	0			21						flood	
				4.5			40							
				11.5			30							
-0.8	+0.3		1300	0	33.2	21.2			20					
				5	33.5	21.5			16					
				10.5	33.8	21.6								
				13.5	34.0	21.8			24					
-0.8	-0.3		1300	0	33.6	21.3			20					
				4.5	33.6	21.4								
				9	33.8	21.8			52					
				13.5	34.0	21.6								
-0.8	+0.3		1315	0			21						flood	
				5			15							
				10.5			12							
-0.8	-0.3		1330	0			40						flood	
				4.5			37							
				11.5			27							
-0.8	+0.3		1400	0	33.5	21.2			20					
				5	33.8	21.2			32					
				10.5	33.6	21.3			32					
				13.5	33.6	21.3			74					

ST. MARYS ENTRANCE - ST. MARYS RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 0.8	- 0.3	4 Nov 70	1400	0	33.1	21.1			44					Howard, 1971
				4.5	33.4	21.2			64					
				9	33.5	21.1								
				13.5	33.5	21.2								
			1430	0			98						flood	
				4.5			98							
				11.5			79							
- 0.8	+ 0.3		1450	0			98						ebb	
				5			91							
				10.5			76							
			1500	0	33.5	21.1			104					
				4.5	33.7	21.2			84					
				10.5	33.5	21.1			47					
				13.5	33.4	21.1			32					
- 0.8	- 0.3		1500	0	33.0	21.1								
				4.5	33.1	21.1								
				10	33.1	21.1			40					
				13.5	33.3	21.1								
			1540	0			76						ebb	
				4.5			76							
				11.5			67							
			1600	0	32.6	21.0			1104					
				4.5	32.7	21.0			1116					
				10	33.0	21.0								
				13.5	33.0	21.1			44					

ST. MARYS ENTRANCE - ST. MARYS RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 0.8	+0.3	4 Nov 70	1600	0	32.7	21.0			140					Howard, 1971
				4.5	33.0	21.2								
				10.5	33.1	21.2			84					
				13.5	33.2	21.1			148					
			1610	0			76						ebb	
				5			70							
				10.5			52							
			1642	0			82						ebb	
				5			70							
				10.5			37							
- 0.8	- 0.3		1655	0			98						ebb	
				4.5			76							
				11.5			49							
- 0.8	+0.3		1700	0	32.0	21.1			28					
				4.5	32.2	21.0								
				10.5	32.0	21.2			48					
				13.5	32.1	21.2			48					
- 0.8	- 0.3		1700	0	31.2	20.9			28					
				4.5	31.4	21.1			36					
				10	31.6	21.1			36					
				13.5	31.8	21.9			40					

ST. MARYS ENTRANCE - ST. MARYS RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 0.8	+ 0.3	4 Nov 70	1745	0			70						ebb	Howard, 1971
				5			76							
				10.5			21							
- 0.8	- 0.3		1800	0	30.8	20.9			48					
				4.5	30.9	21.1			32					
				10	31.1	21.0			32					
				13.5	31.0	21.1			40					

ST. MARYS ENTRANCE - ST. MARYS RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
- 0.8	+ 0.3	4 Nov 70	1800	0	30.9	21.0			68					Howard, 1971
				4.5	31.1	21.0			32					
				10.5	31.2	21.1			56					
				13.5	31.2	21.2								
- 0.8	- 0.3		1805	0			46						ebb	
				4.5			34							
				11.5			6							
			1835	0			30						ebb	
				4.5			15							
				11.5			6							
			1855	0			21						ebb	
- 0.8	+ 0.3		1900	0	31.0	21.0								
				4.5	31.3	20.9			24					
				10.5	32.1	20.6								
				13.5	32.0	20.3								
- 0.8	- 0.3		1900	0	30.3	20.8			140					
				4.5	30.7	21.1			28					
				10.5	31.2	20.9			88					
				13.5	31.2	20.9								
+42.5	0.0	10 Jan 72	----	0	0.1t	16.7			7		5.5	5.7		EPD, 1973a
		17 Feb 72	---	0	0.0t	11.5			8		8.0	5.6		
		13 Mar 72	---	0	0.0t	17.3			7		6.1	5.7		
		10 Apr 72	----	0	0.0t	19.0			7		5.0	5.3		
		15 May 72	----	0	0.2t	24.5			9		4.0	6.1		
		16 Jun 72	----	0	0.5t	25.3			14		3.9	6.4		

ST. MARYS ENTRANCE - ST. MARYS RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE		
+42.5	0.0	10 Jul 72	1304	0	0.0t	27.0			2		2.3	5.8		EPD, 1973b		
		14 Aug 72	1400	0	0.1t	29.8			10		2.9	6.4				
		18 Sep 72	1400	0	0.1t	28.1			2		2.1	5.8				
		30 Oct 72	1405	0	4.1t	22.3			7		4.7	6.3				
		27 Nov 72	1432	0	5.3t	15.3			14		7.0	6.6				
		15 Jan 73	1450	0	0.1t	10.5			5		8.1	6.2				
		19 Mar 73	1450	0	0.0t	21.0			10		4.3	5.3				
		26 Apr 73	1720	0	0.0t	21.0			12		6.2	5.7				
		+13.9	+0.1		1800	0	12.3t	21.0			24		6.5		7.5	
		+ 8.3	+0.2	11 Sep 73	---	0	19.3t	29.5					4.4		7.4	
9 Oct 73	---			0	20.8t	26.6						7.7				
13 Nov 73	---			0	34.3t	18.9					8.6	8.1				
18 Dec 73	---			0	30.9t	13.0					7.9	7.2				
21 Dec 73	0740			0	29.8	11.5					9.4	7.3				
				B	31.3	11.7					9.3	7.3				
	0840			0	29.1	11.0					10.5	7.3				
				B	30.5	11.7					9.8	7.3				
	0950			0	26.2	11.5					11.0	7.3				
				B	27.7	11.8					8.2	7.3				
	1050	0	23.4	11.3					10.0	7.3						
		B	24.1	11.8					9.5	7.3						
	1150	0	21.3	11.8					9.2	7.3						
		B	21.3	12.0					8.8	7.3						

ST. MARYS ENTRANCE - ST. MARYS RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 8.3	+ 0.2	21 Dec 73	1310	0	19.2	12.0					8.9	7.3		BJC, 1975
				B	19.9	12.2					8.4	7.3		
			1340	0	19.2	11.8					8.6	7.3		
				B	19.9	12.3					8.3	7.3		
		23 Jan 74	----	0	23.9t	18.0					5.9	7.8		
		26 Feb 74	----	B	25.8t	15.5					7.5	7.8		
		12 Mar 74	1150	0	32.0	23.3					7.1	7.4		
				B	33.5	20.5					7.5	7.2		
			1300	0	32.7	21.3					6.8	7.2		
				B	33.5	21.0					6.6	7.2		
			1450	0	31.3	21.3					6.9	7.2		
				B	32.7	21.0					6.6	7.0		
			1555	0	27.7	22.2					6.6	7.1		
				B	27.7	22.2					6.3	6.9		
			1610	0	26.2	21.5					6.4	7.0		
				B	26.9	21.7					6.1	7.0		
		20 Mar 74	----	0	27.8t	20.0					6.0	7.8		
		17 Apr 74	----	0	27.1t	25.0					5.0	7.8		
		29 May 74	----	0	33.1t	26.5					5.5	7.8		
		22 Jun 74	0925	0	32.0	28.3					3.4	7.5		
				B	32.7	28.0					3.2	7.5		

ST. MARYS ENTRANCE~ ST. MARYS RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 8.3	+ 0.2	22 Jun 74	1025	0	34.2	28.0					4.0	7.7		BJC, 1975
				B	34.2	28.0					3.7	7.7		
			1130	0	34.2	28.0					4.0	7.7		
				B	35.0	28.0					3.9	7.7		
			1230	0	32.0	28.8					3.7	7.5		
				B	33.5	28.3					3.8	7.7		
			1345	0	28.4	29.0					3.1	7.4		
				B	29.8	29.0					3.0	7.4		
			1435	0	25.5	29.0					3.4	7.3		
				B	26.2	29.0					3.2	7.3		
			1535	0	22.0	29.5					3.7	7.1		
				B	22.0	29.3					3.2	7.2		
		24 Jul 74	----	0	28.5t	29.0					6.0	7.8		
		15 Aug 74	----	0	8.2t	28.0					2.5	7.1		
		18 Sep 74	---	0	8.3t	28.0					4.2	7.0		
		27 Sep 74	0530	0	19.9	24.2					5.4	6.9		
				B	21.3	24.0					5.3	7.1		
			0630	0	22.7	24.3					5.1	7.1		
				B	25.5	24.5					5.1	7.2		
			0730	0	21.3	24.5					5.1	7.0		
				B	24.8	24.3					5.1	7.0		

ST. MARYS ENTRANCE - ST. MARYS RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+ 8.3	+ 0.2	27 Sep 74	0830	0	17.2	24.2					4.8	6.8		BJC, 1975
				B	22.0	24.0				4.7	7.0			
			0930	0	13.8	24.5			4.4	6.6				
				B	16.5	24.3			4.3	6.7				
		1030	0	11.9	24.7			3.4	6.7					
			B	13.8	24.5			3.4	6.7					
		1130	0	10.6	24.7			3.1	6.5					
			B	11.9	24.5			3.1	6.6					
		16 Oct 74	----	0	20.4t	24.0			4.7	7.7				
		13 Nov 74	----	0	28.0t	18.0			6.5	7.7				
		11 Dec 74	---	0	29.3t	12.5			7.4	7.8				
		27 Dec 74	0715	0	35.0	15.2			8.3	7.9				
				B	34.2	15.2			8.1	7.8				
			0815	0	34.2	15.2			7.7	7.9				
B	35.0			15.7			7.8	7.9						
0915	0		33.5	15.2			7.8	7.9						
	B		33.5	15.2			7.7	7.7						
1015	0	31.3	15.2			6.9	7.7							
	B	31.3	15.0			7.2	7.6							
1115	0	27.7	15.3			6.7	7.6							
	B	29.1	15.3			6.8	7.5							

ST. MARYS ENTRANCE - ST. MARYS RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+8.3	+0.2	27 Dec 74	1215	0	26.2	15.3					6.3	7.5		BJC, 1975
				B	26.2	15.3				6.3	7.4			
			1315	0	24.8	15.3			5.9	7.5				
				B	25.5	15.3			6.0	7.4				

NORTH RIVER

DIST	OFFS	DATE	TIME	DEPTH	SAL	TEMP	VEL	DIR	SUSP	TURB	DO	PH	TIDE	SOURCE
+20.8	0.0	24 Apr 73	1720	0	0.9t	22.5			14		2.9	7.8		EPD, 1973b