TABLE 25.—*Approximate analytical data for individual water samples* [1]

Waters along traverse *A* (0800–1900 hr, May 23, 1955; 0915–1400 hr, May 24, 1955)

	A1		*A2*			*A3*			*A4*		*A5*			*A6*			*A7*		*A8* [3]			*A9*			*A10*			*A11*		
	Surface [2]	Bottom	Surface	Bottom	Interstitial	Surface	Bottom	Interstitial	Surface	Bottom	Surface	Bottom	Interstitial	Surface	Bottom	Interstitial	Surface	Bottom [3]	Surface [1]	Bottom	Interstitial	Surface	Bottom	Interstitial (hand sample)	Surface [3]	Bottom	Interstitial	Surface	Bottom	Interstitial
Depth in m		12		7			6			6		7			6			5		6			4			4			<0.3	
T °C* field	27	27.5	28	29	28	28.5	29	29	28.5	29	29	29	27	29	29		28.5	28.5	28	28	28.5	28	28		28	28.5		29	29	
T °C* lab		30	30	27	25	30	30	30	27	30	29	30	25	25	27	25	30	30				25	27	25			25	25	29	25
pH field	8.1	8.1	8.15	8.1	7.5	8.1	8.15	7.7	8.2	8.15	8.2	8.15	7.6	8.2	8.15		8.15	8.1	8.0	8.0	7.3	8.0	8.0	7.7	8.0	8.0	7.8	8.1	8.1	
pH lab		8.05	7.50	7.90	7.92	8.00	7.98	8.02	7.75	7.45	7.90	7.70	7.75	7.96	7.65		7.85					7.65	7.60			7.50	7.93	7.63	7.80	
Eh field	+0.43	+0.45	+0.44	+0.46	+0.49	+0.47	+0.47	+0.11	+0.29	+0.33	+0.29	+0.35	+0.46	+0.25	+0.26		+0.31	+0.32	+0.46	+0.47	−0.03	+0.25	+0.27	+0.26	+0.31	+0.29	+0.34	+0.33	+0.29	
Eh lab			+0.33	+0.32	+0.40				+0.36	+0.43	+0.32	+0.41	+0.34	+0.42	+0.33							+0.39	+0.33			+0.33	+0.36	+0.42	+0.34	
Sp gr at 15° C, field		1.0270	1.0285	1.0279		1.0294	1.0274		1.0296	1.0296	1.0299	1.0305		1.0305	1.0305		1.0312	1.0310	1.0309	1.0305		1.0303	1.0301		1.0305	1.0305		1.0327	1.0323	
Salinity ‰ [5] field		36.3	38.2	37.5		39.4			39.7	39.7	40.1			40.8	40.8			41.5		40.8		40.6	40.3		40.8	40.8		43.7	43.2	
Salinity ‰ [5] lab		37.2	38.1	37.7	37.1	39.5	40.0	40.8	39.1	39.6	40.3	40.1	39.6	41.1	40.9	39.0	41.0					40.4	40.5	39.8		41.1	40.5	43.3	43.5	44.2
Cl† mg/l field		20,500	21,400	21,900	18,800					22,800	22,800	22,500	24,700	23,800	23,800		23,000	23,800	22,500	21,900	20,000		22,500		24,300	23,400		25,300	24,300	
Cl† mg/l lab		21,100	21,700	21,500	20,700	22,500	22,800	23,100	22,200	22,500	22,900	22,900	22,500	23,500	23,400	22,300	23,500					23,100	23,000	22,700		23,500	23,600	24,800	24,700	25,200
A_t‡ mg/l field		144	144	139						124	129	132		124	127		[6] 113	127	127	124		113	113		117	112		112	117	
A_t‡ mg/l lab		142	134	136	140	130	127	394	127	124	128	127	138	126	126	207	124					124	120	232		114	172	116	117	356
SO_4 § mg/l		2,930	3,037	2,963	3,218	3,136	3,140	3,025	3,082	3,140	3,156	3,222	3,226	3,270	3,140	3,060	3,316					3,210	3,144	3,160		3,271	3,292	3,460	3,564	3,440
Na mg/l		11,600	11,900	11,700	11,400	12,310	12,400	12,600	12,300	12,500	12,700	12,400	12,400	12,800	12,900	12,100	12,700					12,500	12,800	12,200		12,800	12,800	13,500	13,700	13,800
Mg mg/l		1,580	1,610	1,630	1,500	1,690	1,700	1,680	1,640	1,660	1,680	1,680	1,640	1,790	1,720	1,710	1,800					1,770	[6] 1,720	1,750		1,740	1,700	1,880	1,850	1,900
Ca mg/l		423	393	410	392	440	428	541	428	409	427	417	414	420	449	364	441					397	430	433		419	474	462	445	537
K mg/l		405	422	430	789	441	430	562	446	456	-454	462	463	465	465	453	465					458	460	469		469	500	492	486	497
Sr mg/l		4.9	9.1	6.6		6.8	5.4	11.3	6.1	8.8	9.0	9.7			6.6		8.8						6.7			9.8			8.7	
B mg/l		4.5	4.3	5.1	5.1	4.6	4.8	5.1	5.2	4.2	5.1	4.7	5.0	4.9	5.4		5.0					4.1	4.7	4.1		5.1	5.9	4.6	6.0	
Li mg/l		0.62				0.73	0.77	1.3									0.85													
P mg/l		0.016				0.016	0.016			<0.01	<0.01	<0.01		0.019			0.044					0.01				<0.01		<0.01	<0.01	
SiO_2 mg/l		1.5	0.8			0.7	0.8			0.7	1.0	0.7		1.2			1.7					0.5				0.8		1.1	0.7	
Date analysis reported		12/5/55	3/7/56	5/3/56	5/22/56	12/5/56	12/5/56	12/5/56	5/3/56	3/7/56	4/5/56	3/7/56	5/22/56	2/7/56	5/3/56	2/7/56	12/5/56					2/7/56	5/3/56	2/7/56		3/7/56	5/22/56	2/7/56	4/5/56	2/7/56

Waters along traverse *B* [1] (1700–1815 hr, May 24, 1955; 0740–1500 hr, May 25, 1955)

	B8			B7			B6			B5			B4			B3			B2			B1 [3]		
	Surface	Bottom	Interstitial	Surface	Bottom	Interstitial [3]	Surface	Bottom	Interstitial	Surface	Bottom	Interstitial [3]	Surface	Bottom	Interstitial	Surface	Bottom	Interstitial	Surface	Bottom	Interstitial	Surface	Bottom	Interstitial
Depth in m		9			7			7			6			5			5			4			4	
T° C field	27.5	28		28.5	29		29	29		28.5	29		28	28		28	28		29	29		29	29	
T° C lab	30	30	30	29	27		26.5	26.5	25	31	31	31	25	29	25	31	31	31	26.5	27	25	26.5	26.5	25
pH field	8.1	8.1	7.8	8.1	8.1	7.6	8.1	8.1	7.7	8.1	8.0	7.5	8.0	8.0	7.8	8.0	8.0	7.8	8.0	8.0	7.6	8.0	7.9	7.5
pH lab	8.20	7.97	7.78	7.75	7.80		7.78	7.68		8.02	8.11	8.16	6.82	7.68		8.26	8.18	8.02	7.85	7.72	7.45	8.02		7.83
Eh field	+0.19	+0.18	+0.17	+0.20	+0.19	0.05	+0.21	+0.19	+0.01	+0.22	+0.23	−0.02	+0.23	+0.22	+0.05	+0.34	+0.29	+0.31	+0.26	+0.29	+0.18	+0.35	+0.33	+0.06
Eh lab				+0.34	+0.31		+0.33	+0.39	+0.42	+0.18	+0.19	+0.18	+0.42	+0.33		+0.20	+0.19	+0.23	+0.23	+0.34	+0.38	+0.39		+0.38
Sp gr at 15° C field	1.0276	1.0288		1.0311	1.0314		1.0317	1.0317		1.0322	1.0322		1.0318	1.0318		1.0329	1.0330		1.0319	1.0319		1.0317	1.0317	
Salinity ‰ [5] field	37.1	38.6		41.6	42.0		42.2	42.4		43.1	43.1		42.5	42.5		44.0	44.1		42.7	42.7		42.4	42.5	
Salinity ‰ [5] lab	36.6	38.0	40.1	42.0	41.6		41.7	42.2	41.3	[6] 45.0	43.6	43.2	42.0	42.0	42.1	44.4	[6] 46.0	46.8	42.7	43.2	43.3	42.5		41.7
Cl mg/l field		[6] 20,600	25,300			22,900	23,900	23,400		23,900	23,900		24,800	24,300	27,000	26,100		29,800	24,700	24,300	23,400	23,900	24,300	23,900
Cl mg/l lab	21,000	21,800	22,600	23,900	24,000		23,600	23,900	23,600	[6] 25,800	24,900	26,700	23,900	24,100	24,200	25,500	26,400	26,900	24,200	24,700	24,700	24,200		23,600
A_t‡ field		146	154	127	129		[6] 132	119			112		112	112		107	107		[6] 110	117		119	112	
A_t‡ mg/l lab	148	[6] 137	148	127	124		118	119	152	113	113	225	112	113	178	109	109	215	116	116	150	123		194
SO_4 § mg/l	2,890	3,050	3,250	[6] 3,530	3,250		3,430	3,460	3,280	3,560	3,440	3,560	3,360	3,350	3,320	3,510	3,650	3,640	3,460	3,350	3,480	3,460		3,360
Na mg/l	11,300	11,800	12,500	13,200	13,000		13,200	13,300	12,900	[6] 14,100	13,600	14,800	13,200	13,100	12,900	13,800	[6] 14,400	14,600	13,500	13,700	13,600	13,400		13,100
Ma mg/l	1,580	1,660	1,700	1,750	1,770		1,750	1,740	1,710	[6] 1,960	1,870	1,970	1,840	1,790	1,830	1,900	2,000	2,000	1,810	1,810	1,810	1,790		1,710
Ca mg/l	401	423	431	478	477		420	472	457	462	462	493	436	445	455	480	496	500	421	475	470	431		472
K mg/l	416	427	450	469	475		474	473	480	481	483	492	483	475	487	543	513	506	478	485	497	485		497
Sr mg/l	4.3	3.7	7.8	9.9	7.2		6.8	8.2						9.8					8.2	8.2		8.1		
B mg/l	4.5	4.8	5.1	5.0	5.6		4.3	5.0	5.9	5.9	6.0	6.2	4.9	5.5	4.9	5.0	6.0	5.3	4.8	5.7	5.8	4.3		5.7
Li mg/l	0.54	0.62	0.65							0.91	0.92	0.90				0.93	0.96	1.0						
P mg/l	0.048	0.033		<0.01									<0.01	<0.01										
SiO_2 mg/l	0.5	1.3		1.2						5.0	5.0	6.8	1.2	0.60		5.0	3.9	8.5						
Date analysis reported	12/5/55	12/5/55	12/5/55	4/5/56	5/3/56		5/10/56	5/10/56	5/22/56	11/30/55	11/30/55	11/30/55	2/7/56	4/5/56	2/7/56	11/30/55	11/30/55	11/30/55	5/10/56	5/3/56	5/22/56	5/10/56		5/22/56

Waters along traverse *C* [1] (1615–1845 hr, May 25, 1955; 0915–1600 hr, May 26, 1955)

	C1			*C2*			*C3*			*C4* [3]			*C5*			*C6*			*C7*		
	Surface	Bottom	Interstitial	Surface	Bottom	Interstitial	Surface	Bottom	Interstitial	Surface	Bottom	Interstitial [4]	Surface	Bottom	Interstitial	Surface	Bottom	Interstitial	Surface	Bottom	Interstitial
Depth in ft		7			6			5			5			5			5			2	
T°C* field	29	29		29	29		29	29		28.5	28.5		28	28		28	28		29	29.5	
T°C* lab	30	27	25	29	30	25	26.5	30	25				29	27	25	31	31	31	31	31	31
pH field	8.00	8.00	7.7	8.1	8.0	7.8	8.1	8.05	7.7	8.0	7.9		8.0	7.9	7.7	8.0	7.9	7.7	8.0	8.0	7.75
pH lab	7.85	7.79	7.78	7.82	7.65	7.53	7.65	7.55	7.6				7.65	7.75	7.60	7.90	8.24	7.88	8.32	8.27	8.02
Eh field	+0.27	+0.34	+0.07	+0.22	+0.20	+0.06	+0.19	+0.20	+0.23	+0.32	+0.26		+0.29	+0.24	+0.14	+0.25	+0.22	+0.19	+0.28	+0.32	+0.02
Eh lab	+0.34	+0.35	+0.34	+0.33	+0.33	+0.32	+0.31	+0.41	+0.33				+0.34	+0.33	+0.34	+0.18	+0.20	+0.21	+0.19	+0.20	+0.19
Sp gr at 15° C field	1.0311	1.0312		1.0313	1.0315		1.0313	1.0313		1.0310	1.0310		1.0304	1.0305		1.0311	1.0311		1.0348	1.0348	
Salinity ‰ [5] field	41.6	41.8		41.9	42.1		41.9	41.9		41.5	41.5		40.7	40.8		41.6	41.6		46.4	46.4	
Salinity ‰ [5] lab	41.4	41.6	40.6	42.6	41.6	[6] 41.7	41.6	42.0	41.5				41.2	41.4	42.5	41.5	41.6	43.8	46.6	46.6	46.8
Cl mg/l field	23,900	23,400	21,900	22,900	23,400	23,900	22,900	23,400	22,900	23,900	22,500		23,400		24,700			23,900		26,000	27,000
Cl mg/l lab	23,800	23,800	23,100	24,300	23,900	23,900	23,700	23,900	23,600				23,500	23,300	24,300	23,700	23,900	25,000	27,000	26,900	26,900
A_t ‡* mg/l field	124	117	129	121	117	258	117	117	129	122	122		127	124			121	124		110	
A_t ‡* mg/l lab	118	121	178	120	[6] 114	190	118	[6] 111	158				123	123	156	120	117	130	107	109	139
SO_4 § mg/l	3,350	3,300	3,290	3,370	3,350	[6] 3,220	3,390	3,380	3,450				3,310	3,210	3,490	3,370	3,190	3,590	3,600	3,710	3,610
Na mg/l	13,000	13,200	12,700	13,500	13,000	13,300	13,200	13,400	13,100				13,000	12,800	13,400	13,000	13,000	13,500	14,600	14,700	14,600
Mg mg/l	1,750	1,770	1,670	1,790	1,770	1,700	1,740	1,770	1,700				1,730	1,720	1,800	1,800	1,810	1,890	2,050	2,030	2,040
Ca mg/l	419	449	464	445	409	435	431	409	455				445	437	483	451	454	475	490	502	500
K mg/l	467	462	632	472	469	467	481	474	479				462	455	486	471	[6] 544	510	552	540	540
Sr mg/l	9.8	6.2		9.4	10.0		7.8	8.1					7.7	7.3							
B mg/l	4.6	5.4	5.2	5.8	4.3	5.8	4.6	5.0	5.8				5.7	5.2	5.9	5.7	6.0	5.9	6.1	6.4	6.4
Li mg/l																					
P mg/l	<0.01			<0.01	<0.01			<0.01					<0.01								
SiO_2 mg/l	0.6			1.2	0.6			0.5					1.1			5.9	2.7	5.5	7.6	7.3	9.2
Date analysis reported	4/5/56	5/3/56	5/22/56	4/5/56	4/5/56	5/22/56	5/10/56	4/5/56	5/22/56				4/5/56	5/3/56	5/22/56	11/30/55	11/30/55	11/30/55	11/30/55	11/30/55	11/30/55

Waters along traverse *D* [1] (1930 hr, May 26, 1955; 0600–1830 hr, May 27, 1955; 0640 hr, May 28, 1955)

	D9			*D8*			*D7*			*D6*			*D5*			*D4*			*D3*		*D2*			*D1*		*D1a*	
	Surface	Bottom	Interstitial	Surface	Bottom	Interstitial	Surface	Bottom	Interstitial	Surface	Bottom	Interstitial	Surface [3]	Bottom	Interstitial [3]	Surface	Bottom	Interstitial	Surface	Bottom	Surface	Bottom	Interstitial	Surface	Bottom [3]	Supernatant	Interstitial
Depth in M		8.6			6.6			8.6			8.3			7.3			8.1			5.3		4			3	<0.3	
T°C* field	27.5	27		28.5	28.5		28.5	29		29	28.5		28.5	28.5		28	28		28	28	28	27.5		27.5	27	27	
T°C* lab	30	30	30		27		29	27	25	31	31	31	27	27		30	29	25	27	27	25	27	25	27		31	31
pH field	8.1	8.2		8.2	8.2	7.95	8.2	8.2	8.0	8.0	8.1	7.8	8.1	8.1	7.9	8.1	8.05	7.85	8.05	8.05	8.0	8.05		8.0	8.0	8.1	
pH lab	8.13	8.13	7.95		7.80		7.89	7.60	7.80	8.04	8.14	8.16		7.50		7.60	7.90	7.75	7.65	7.80	6.96	7.70		7.65		8.22	8.08
Eh in volts field	+0.27			+0.23	+0.25	+0.27	+0.22	+0.26	+0.02	+0.21	+0.21	+0.06	+0.24	+0.20	+0.15	+0.24	+0.19	+0.04	+0.32	+0.28	+0.24	+0.25		+0.26	+0.25	+0.30	
Eh in volts lab					+0.33		+0.30	+0.33	+0.33	+0.19	+0.21	+0.22		+0.28		+0.35	+0.32	+0.35	+0.34	+0.34	+0.42	+0.34		+0.32		+0.20	+0.19
Sp gr at 15° C field	1.0274	1.0274		1.0288	1.0291		1.0294	1.0294		1.0298	1.0296		1.0294	1.0294		1.0297	1.0297		1.0304	1.0304	1.0314	1.0314		1.0336	1.0336	1.0329	
Salinity ‰ [5] field	36.8	36.8		38.6	39.0		39.4	39.4		39.9	39.7		39.4	39.4		39.8	39.8		40.7	40.7	42.0	42.0		44.9	44.9	44.4	
Salinity ‰ [5] lab	36.5	36.9	36.8		38.0		39.0	[6] 39.8	39.5	39.6	40.2	41.8		38.9		39.8	40.4	41.2	42.1	[6] 41.7	41.7	41.8	41.6	44.7		45.7	51.5
Cl mg/l field	[6] 20,400	20,800		21,300	21,300	21,700	21,500	21,300	21,700	21,900	21,900	21,600	21,900	21,600	22,500	22,500	22,500	21,600	23,400	[6] 22,900	23,400	[6] 22,900		25,300	24,800	[6] 25,300	
Cl mg/l lab	20,900	21,100	21,000		21,800		22,400	22,700	22,400	22,700	23,000	23,800		22,400		22,800	23,100	23,500	23,300	23,300	23,800	23,900	23,700	25,600		26,300	29,800
A_t ‡ mg/l field	[6] 151	146		149	146	171	144	[6] 136	187	[6] 136	129	256	126	127	144	130	136	224	134	130	124	119		123	118	119	
A_t ‡ mg/l lab	145	148	150		144		141	144	192	129	130	235		126		123	128	110	121	120	116	117	173	[6] 110		111	125
SO_4 § mg/l	2,870	2,980	2,820		2,950		3,050	3,120	3,270	3,050	3,170	3,270		3,020		3,200	3,210	3,420	3,240	[6] 3,100	3,300	3,280	3,280	3,560		3,580	4,110
Na mg/l	11,400	11,400	11,400		11,900		12,100	[6] 12,600	12,400	12,400	12,600	13,100		12,100		12,500	12,700	12,700	12,900	12,700	13,200	13,100	13,100	14,200		14,400	16,100
Mg mg/l	1,570	1,590	1,630		1,620		1,670	1,650	1,620	1,710	1,730	1,800		1,650		1,680	1,690	1,840	1,700	1,720	1,820	1,780	1,820	1,890		1,960	2,230
Ca mg/l	406	415	419		410		422	424	459	440	428	444		431		404	433	492	447	435	437	436	442	450		484	560
K mg/l	395	426	411		427		452	450	444	445	450	456		434		448	454	473	456	452	470	463	466	500		533	570
Sr mg/l	2.3	5.5	6.3		6.5		6.7	8.7						6.3		6.2	8.8		6.8	7.0		6.3		7.9			
B mg/l	4.1	4.2	4.5		4.4		4.8	4.6	5.8	5.9	5.9	6.0		5.0		4.5	4.1		5.2	5.0	4.9	4.3	4.8	6.1		6.4	6.6
Li mg/l	0.62	0.68	0.61							0.70	0.77	0.75															
P mg/l	0.025	0.012						<0.01								<0.010	<0.010				0.012						
SiO_2 mg/l	1.2	1.1						0.9		8.2	5.7	9.1				0.7	0.9				0.90					7.4	8.2
Date analysis reported	12/5/55	12/5/55	12/5/55		5/3/56		5/3/56	4/5/56	5/22/56	11/30/55	11/30/55	11/30/55		5/3/57		3/7/56	4/5/56	5/22/56	5/3/56	5/3/56	2/7/56	2/7/56	2/7/56	5/3/56		11/30/55	11/30/55

Waters along traverse *E* [1] (0750–1830 hr, May 28, 1955)

	E1			*E2*			*E3*			*E4*			*E5*			*E6*			*E7*			*E8*			*E9*			*E9a*
	Surface	Bottom	Interstitial	Surface	Bottom [3]	Interstitial	Surface	Bottom	Interstitial	Surface	Bottom	Interstitial	Surface	Bottom	Interstitial	Surface	Bottom	Interstitial	Surface	Bottom	Interstitial	Surface	Bottom	Interstitial	Surface	Bottom	Interstitial	Supernatant
Depth in m		8			7.6			6.6			7.3			7			6			4.3			3					0.2
T°C* field	28	28		28	28		28.5	28		28.5	28		28.5	28.5		29	28.5		29	28.5		28	28		28.5	28		27
T°C* lab	25	26.5	25	29		25	25	26	25	26.5	29		26.5	30	25	26.5	29	25	25	30	25	27		25	25	29	25	26.5
pH field	8.15	8.2	7.95	8.2	8.2	7.9	8.2	8.1	7.9	8.1	8.15	7.95	8.2	8.15	7.9	8.2	8.15	7.95	+8.1	8.1	7.85	8.1	8.1	7.75	8.1	8.1	7.8	8.2
pH lab	7.20	7.95	7.85	7.80		7.93	7.80	8.03	7.95	7.95	7.65		7.90	7.60	7.63	7.85	7.50	7.75	7.85	7.75		7.70	7.80	7.50	7.70	7.50		7.65
Eh in volts field	+0.40	+0.44	+0.21	+0.32	+0.44	+0.09	+0.34	+0.44	+0.46	+0.35	+0.45	+0.36	+0.44	+0.49	+0.15	+0.41	+0.44	+0.28	+0.42	+0.48	+0.17	+0.37	+0.32	+0.08	+0.35	+0.39	+0.35	+0.29
Eh in volts lab	+0.44	+0.33	+0.33	+0.31		+0.33	+0.42	+0.37	+0.30	+0.33	+0.34		+0.25	+0.33	+0.34	+0.31	+0.34	+0.35	+0.44	+0.33		+0.35	+0.34	+0.35	+0.43	+0.48		+0.34
Sp gr at 15° C field	1.0291	1.0289		1.0292	1.0293		1.0292	1.0292		1.0288	1.0287		1.0293	1.0293		1.0294	1.0296		1.0298	1.0300		1.0319	1.0319		1.0326	1.0326		1.0332
Salinity ‰ [5] field	39.0	38.8		39.2	39.3		39.2	39.2		38.6	38.5		39.3	39.3		39.4	39.7		39.9	40.2		42.7	42.7		43.6	43.6		44.4
Salinity ‰ [5] lab	38.4	38.6	37.4	38.3		40.0	38.4	38.8		38.8	38.1		38.9	38.7	37.5	39.1	[6] 37.9	39.8	39.3	39.7	41.0	42.4	42.7	42.4	43.1	43.2	44.6	43.9
Cl mg/l field	21,700	22,200	26,300	[6] 21,300	22,200	26,700	22,700	23,100	23,100	22,200	21,700	21,700	22,200	21,700	22,200	21,700		22,200	22,200	22,200	21,700	24,500	24,500	24,500	25,400	25,000	24,100	24,500
Cl mg/l lab	22,000	22,000	21,100	21,900		22,800	22,110	22,200	22,300	21,900	21,800		22,100	22,100	21,200	22,300	21,600	22,700	22,500	22,700	23,400	24,400	24,200	24,200	24,900	24,900	25,600	25,200
A_t ‡ mg/l field	146	144	168	149			144	151	134	144	141	163	137	137	178	132	134	149	[6] 134	129	154	132	127		129	137	195	129
A_t ‡ mg/l lab	145	[6] 150	172	144		188	146	150	148	146	140		138	138	166	137	129	154	130	130	168	128	130	156	129	124	148	130
SO_4 § mg/l	3,020	3,120	3,230	3,130		3,250	3,020	3,130	3,240	3,190	3,060		3,150	3,070	3,220	3,170	[6] 3,090	3,240	3,150	3,210	3,230	3,300	3,300	3,460	3,460	3,280	3,520	3,410
Na mg/l	11,900	12,100	11,700	11,900		12,500	11,900	12,100	12,300	12,200	11,900		12,300	12,300	11,700	12,300	11,800	12,500	12,300	12,400	12,900	13,300	13,800	13,400	13,400	13,700	13,900	13,900
Mg mg/l	1,670	1,640	1,570	1,630		1,670	1,690	1,640	1,640	1,640	1,630		1,650	1,610	1,560	1,670	1,650	1,620	1,730	1,660	1,770	1,820	1,810	1,770	1,900	1,830	1,940	1,880
Ca mg/l	429	401	427	430		438	415	422	435	398	418		401	414	432	400	409	440	404	409	433	444	464	457	428	458	466	460
K mg/l	450	445	427	431		469	439	443	459	436	429		446	434	445	442	455	462	445	452	472	479	481	485	492	486	631	500
Sr mg/l		7.7		9.0				7.7		7.4	8.4		7.7	9.5		7.3	8.6			9.3		9.6	7.7			9.7		7.6
B mg/l	4.0	4.5	4.6	4.8		5.6	4.3	4.6	5.4	4.3	4.5		4.3	4.7	5.0	4.9	5.5	5.6	4.4	4.7	3.8	5.0	5.5	6.0	5.3	6.5	4.6	5.5
Li mg/l																												
P mg/l	<0.01			<0.01			<0.01							<0.010			<0.010		0.031	<0.01					<0.01	<0.01		
SiO_2 mg/l	3.3			0.5			3.7				0.4			0.5			0.7		0.9	0.4					1.9	0.6		
Date analysis reported	2/7/56	5/10/56	5/22/56	4/5/56		5/22/56	2/7/56	5/10/56	5/22/56	5/10/56	4/5/56		5/10/56	2/7/56	5/22/56	5/10/56	4/5/56	5/22/56	2/7/56	3/7/56	2/7/56	5/3/56	5/3/56	5/22/56	2/7/56	4/5/56	2/7/56	5/3/56

Waters along traverse *F* [1] (0820–1800 hr, May 29, 1955)

	F7			*F6*			*F5*			*F4*			*F3*		*F2*			*F1*	
	Surface	Bottom	Interstitial	Surface	Bottom	Interstitial	Surface	Bottom	Interstitial	Surface	Bottom	Interstitial	Surface	Bottom	Surface	Bottom	Interstitial	Surface	Bottom
Depth in m		8.3			8.3			8			7.3			5.3		5.3			3.6
T°C* field	29	28.5		29	29		29	29		28.5	28.5		28	28.5	28.5	28		28	28
T°C* lab	30	26.5	25	25	30	25	26.5	30	25	25	29	25	26.5		29	27	25	26.5	29
pH field	8.1	8.0	7.7	8.1	8.0	7.6	8.1	8.1	7.7	8.1	8.0	7.6	8.2	8.2	8.2	8.15	7.9	8.1	8.1
pH lab	7.80	7.96	7.90	8.00	7.50		8.05	7.70	7.88	7.91	7.65	7.52	7.65	7.70	7.70	7.70	7.75	7.93	7.60
Eh in volts field	+0.32	+0.29	+0.009	+0.35	+0.37	+0.03	+0.37	+0.41	+0.12	+0.39	+0.37	+0.23	+0.38	+0.41	+0.38	+0.39	+0.34	+0.32	+0.37
Eh in volts lab	+0.43	+0.39	+0.41	+0.43	+0.40		+0.38	+0.40	+0.34	+0.42	+0.34	+0.43	+0.30	+0.33	+0.26	+0.33	+0.26	+0.32	+0.33
Sp gr at 15° C field	1.0296	1.0297		1.0296	1.0296		1.0296	1.0296		1.0294	1.0295		1.0304	1.0304	1.0306	1.0308		1.0299	1.0301
Salinity ‰ [5] field	39.7	39.8			39.7		39.7	39.7		39.4	39.6		40.7	40.7	41.0	41.2		40.1	40.3
Salinity ‰ [5] lab	39.2	39.1	40.1	38.8	39.0	38.1	39.1	39.2	39.4	40.0	40.3	39.7	40.3	40.5	40.8	41.1	41.5	39.6	[6] 38.9
Cl mg/l field	22,200	21,700	22,700		22,700		22,200	22,200	22,200	22,700	22,200	22,700	22,700	23,600	22,200	22,200	22,200	22,200	22,200
Cl mg/l lab	22,400	22,300	22,900	22,400	22,300	21,800	22,300	22,400	22,300	22,900	22,900	22,800	22,900	23,200	23,300	23,400	23,700	22,600	22,300
A_t ‡ mg/l field	127	124	236	134	132		132	132	222	[6] 134	129		129	127	129	129	169	129	132
A_t ‡ mg/l lab	126	[6] 132	130	131	130	232	[6] 138	132	198	131	130	217	129	129	130	131	100	131	[6] 122
SO_4 § mg/l	3,150	3,150	3,240	3,120	3,120	2,940	3,070	3,160	3,240	3,190	3,170	3,170	3,280	3,120	3,330	3,220	3,410	3,240	3,120
Na mg/l	12,300	12,300	12,600	11,900	12,300	11,900	12,300	12,200	12,400	12,400	12,600	12,300	12,700	[6] 12,800	12,800	13,000	13,000	12,400	[6] 12,100
Mg mg/l	1,640	1,660	1,680	1,710	[6] 1,630	1,670	1,660	1,640	1,610	1,730	1,710	1,710	1,690	1,700	1,720	1,720	1,800	1,700	1,690
Ca mg/l	400	411	429	399	411	423	407	399	457	407	430	449	431	435	449	451	431	397	413
K mg/l	457	450	459	449	454	459	454	455	451	468	461	480	453	467	462	466	484	456	445
Sr mg/l	8.6	7.8		3.5	9.1	3.6	7.8	9.0			9.2		7.9	9.3	8.8	6.1		7.9	7.4
B mg/l	4.6	4.8	6.0	3.7	5.0	3.9	3.8	4.3	4.9	4.7	5.1	4.1	4.6	4.9	5.0	5.2	5.6	3.8	5.3
Li mg/l																			
P mg/l	<0.01			0.023	<0.01			<0.01		0.020	<0.01	0.039		<0.01	<0.01				<0.01
SiO_2 mg/l	3.5			4.6	3.9			3.7		1.8	0.6			0.8	0.9				0.8
Date analysis reported	3/7/56	5/10/56	5/22/56	2/7/56	3/7/56	2/7/56		3/7/56	5/22/56	2/7/56	4/5/56	2/7/56	5/10/56	4/5/56	4/5/56	5/3/56	5/22/56	5/10/56	4/5/56

Waters along traverse *G* [1] (1920 hr, May 29, 1955; 0620–1020 hr, May 30, 1955)

	G1			*G2*			*G3*			*G4*		
	Surface	Bottom	Interstitial	Surface	Bottom	Interstitial	Surface	Bottom	Interstitial	Surface	Bottom	Interstitial
Depth in m		7			6.3			7			7	
T°C* field	28.5	28		28.5	28		28	28.5	29	29	28.5	
T°C* lab	26.5		25	25	30	25	25	30	25	25	26.5	25
pH field	8.0	8.0		8.05	8.0	7.8	7.9	8.0	7.7	8.1	8.1	7.7
pH lab	7.85			7.86	7.60		7.60	7.75		7.98	8.00	
Eh in volts field	+0.26	+0.27		+0.39	+0.30	+0.19	+0.35	+0.35	+0.09	+0.32	+0.30	+0.15
Eh in volts lab	+0.39			+0.42	+0.41		+0 45			+0.44	+0.39	
Sp gr at 15° C field	1.0297	1.0297		1.0307	1.0307		1.0313	1.0313		1.0325	1.0325	
Salinity ‰ [5] field	39.8	39.8		41.1	41.1		41.9	41.9		43.5	43.5	
Salinity ‰ [5] lab	39.3			39.9	40.5	40.8	41.3	41.4	41.3	42.8	42.7	41.9
Cl mg/l field	22,200	22,700		23,100	22,700	22,700	[6] 23,100	[6] 23,100	24,500	24,500	24,100	22,700
Cl mg/l lab	22,500			23,100	23,100	23,400	23,800	23,700	23,800	24,600	24,300	23,900
A_t ‡ mg/l field	122	122		119	122		[6] 110	115	146	117	115	
A_t ‡ mg/l lab	135			120	120	153	117	116	237	118	122	267
SO_4 § mg/l	3,120			3,170	3,250	3,190	3,250	3,350	3,160	3,400	3,510	3,280
Na mg/l	12,300			12,300	12,800	12,700	13,100	12,900	12,900	13,400	13,500	13,100
Mg mg/l	1,680			1,760	1,700	1,770	1,820	1,740	1,840	[6] 1,910	1,820	1,860
Ca mg/l	403			425	424	449	442	424	433	442	434	494
K mg/l	462			471	466	487	477	479	492	554	488	541
Sr mg/l	7.7			3.8	8.9		4.0	9.5		4.1	8.4	
B mg/l	4.8			4.4	5.4	3.7	4.7	5.1	4.8	4.7	5.0	5.1
Li mg/l												
P mg/l				<0.01	<0.01		0.023	<0.01		<0.01		
SiO_2 mg/l				6.1	2.5		5.5	3.4		4.4		7.9
Date analysis reported	3/10/56			2/7/56	3/7/56	2/7/56	2/7/56	3/7/56	2/7/56	2/7/56	5/10/56	2/7/56

Waters along Straits of Florida traverse [1] (1645 hr, May 30, 1955–0415 hr, May 31, 1955)

	GSγ		*GSα*		*GSz*		*GSy*		*GSx*	
	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
Depth in m				650		780		850		750
T°C* field	27.5	23	27	21.5	28	21	27.5	22.5	29.5	25
T°C* lab	26.5	29	30	30	26.5	26.5	26.5	26.5	26.5	26.5
pH field	8.05	7.85	8.1	8.0	8.0	7.7	8.0	7.8	8.05	7.8
pH lab	8.02	7.40	7.85	7.20	7.93	7.05	7.98	7.05	8.08	7.30
Eh in volts field	+0.33	+0.29	+0.29	+0.42	+0.28	+0.34	+0.30	+0.29	+0.37	+0.33
Eh in volts lab	+0.33	+0.29	+0.49	+0.43	+0.41	+0.33	+0.33	+0.29	+0.43	+0.43
Sp gr at 15° C field	1.0271	1.0279	1.0269	1.0260	1.0268	1.0264	1.0272	1.0272	1.0273	1.0274
Salinity ‰ [5] field	36.4	[6] 37.5	36.2	[6] 35.0	36.0	[6] 35.5	36.6	36.6	36.7	36.8
Salinity ‰ [5] lab	35.9	36.0	36.1	35.6	35.8	36.2	[6] 36.2	36.1	36.3	36.0
Cl mg/l field	20,400	19,500	20,000	[6] 18,600	20,000	[6] 19,000	[6] 19,500	20,000	20,400	20,000
Cl mg/l lab	20,400	20,500	20,400	20,200	20,400	20,500	20,500	20,500	20,600	20,500
A_t ‡ mg/l field	139	171	159	163	149	183	141	148	146	144
A_t ‡ mg/l lab	150	162	145	144	148	162	150	[6] 174	154	147
SO_4 § mg/l	2,860	2,860	2,950	2,840	2,910	2,860	2,890	2,860	2,930	2,880
Na mg/l	11,300	11,200	11,400	11,100	11,100	11,400	11,400	11,300	11,300	11,200
Mg mg/l	1,520	1,510	1,490	1,490	1,550	1,440	1,510	1,470	1,540	1,500
Ca mg/l	382	401	392	372	383	384	399	415	389	406
K mg/l	415	415	403	396	403	404	412	417	418	413
Sr mg/l	6.9	8.1	6.5	9.0	6.7	7.2	7.4	8.4	7.1	7.2
B mg/l	4.1	4.7	4.0	4.1	4.2	4.0	3.3	4.8	4.0	4.2
Li mg/l										
P mg/l			0.025	0.27						
SiO_2 mg/l		3.2	0.8	1.8						
Date analysis reported	5/10/56	4/5/56	3/7/56	3/7/56	5/10/56	5/10/56	5/10/56	5/10/56	5/10/56	5/10/56

Waters from east side of middle and South Bights [1] (April 19–20, 1955)

	Middle Bight		South Bight 10:20 a.m.	South Bight 6 p.m.
	19/x surface	19/x bottom	20/1 surface	20/1 surface
Depth in m		8		
T°C* field		28	28	28.5
T°C* lab	26.5	29	29	29
pH field		8.3	8.2	8.0
pH lab	7.88	7.80	7.60	7.60
Eh in volts field		+0.43	+0.44	+0.20
Eh in volts lab	+0.33	+0.31	+0.33	+0.32
Sp gr at 15° C field	1.0293	1.0287	1.0301	1.0306
Salinity ‰ [5] field				
Salinity ‰ [5] lab	37.1	36.0	38.0	37.5
Cl mg/l field			21,500	
Cl mg/l lab	21,100	20,500	21,600	21,400
A_t ‡ mg/l field		132	115	
A_t ‡ mg/l lab	130	128	118	115
SO_4 § mg/l	2,900	2,900	3,120	3,040
Na mg/l	11,700	11,200	11,800	11,600
Mg mg/l	1,560	1,540	1,620	1,570
Ca mg/l	405	403	405	409
K mg/l	413	404	431	413
Sr mg/l	6.8	7.2	8.1	6.5
B mg/l	4.4	4.1	4.7	4.7
Li mg/l				
P mg/l		<0.01	<0.01	<0.01
SiO_2 mg/l		1.1	0.8	1.0
Date analysis reported	5/3/56	4/5/56	4/5/56	4/5/56

[1] Approximate rapid-method values for first approximation purposes. Ca is known to be in error, probably on the average about −10 percent. Laboratory determinations of dissolved substances by Henry Kramer and Esma Campbell. Laboratory determinations of Eh and pH by John Chandler, under direction of A. M. Pommer. Field determinations by P. E. Cloud, Jr., and Richard Rezak. All water collected directly in 210-ml polyethylene bottles, passed through millipore filters, and refrigerated at 4° to 6° C until laboratory analysis. Field analyses run on duplicate samples. Interstitial waters from top 6 in. of sediment (rarely to 1 ft).

[2] Sample lost; no laboratory report.

[3] No laboratory analysis.

[4] No field data.

[5] Field salinity from hydrometric density. Laboratory value equals sum of analytical dissolved solids in mg/l divided by specific gravity to convert to parts per thousand. This is not conventional oceanographic salinity, which is expressed as a constant product of Cl^- in parts per thousand at 20° C.

[6] Rejected value; not considered in computations.

*Field temperature-open water in °C. Laboratory temperature room *T* °C at time of analysis.

†Includes also bromide, fluoride, iodide.

‡Titration alkalinity, including HCO_3^-, CO_3^{--}, OH^-, and $H_2BO_3^-$, reported as if mg/l of HCO_3^-.

§Values from SO_4^{--} down through SiO_2 are laboratory determinations.