

Galveston COUNTY ROLLED SKETCH NO. 23  
Tide Gauge Data, Galveston, TX.  
SURVEYED 1937-1955 BY National Ocean Survey  
FILED 3-9-76

counter 450 B/

TIDE GAUGE DATA, GALVESTON, TEXAS, U. S. COAST & GEODETIC SURVEY  
 SHOWING THE NUMBER OF DAYS YEARLY WHEN THE TIDE GAUGE RECORDED A  
 READING HIGHER THAN THE YEARLY AVERAGE MEAN HIGHER HIGH WATER FOR  
A 19-YEAR CYCLE      1937-1955      ELEVATION 4.42 ft.

<u>YEAR</u>	<u>NO. DAYS</u>
1937	201
1938	192
1939	159
1940	166
1941	218
1942	253
1943 - only 274 days gauge operating	175
1944	242
1945	271
1946	267
1947	257
1948	307
1949	314
1950	327
1951	284
1952	252
1953	274
1954	235
1955	281

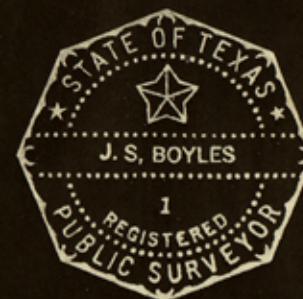
Total number of days available - - - - - 4848

Total number of days the gauge  
 showed a reading higher than  
 the 19-year average - - - - - 4675

RECEIVED

NOV 9 1956

GENERAL LAND OFFICE





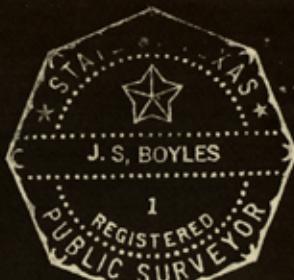
TIDE RECORDS DATA - GALVESTON, TEXAS - U. S. COAST & GEODETIC SURVEY

1937 MONTH	MEAN TIDE LEVEL	MEAN HIGH WATER	MEAN LOW WATER	MEAN HIGHER WATER	MEAN LOWER WATER	MEAN OF MHHW & MLLW	MONTH'S HIGHEST	MONTH'S DAY	MONTH'S LOWEST	MONTH'S DAY	MEAN RANGE MHHW & MLLW	MEAN RANGE	MONTH'S EXTREMES
													HIGH
Jan.	4.01	4.42	3.60	4.53	3.19	3.86	5.0	21	2.1	10	1.34	2.9	
Feb.	4.06	4.48	3.63	4.62	3.20	3.91	5.6	27	1.9	21	1.42	3.7	
March	4.04	4.47	3.60	4.60	3.19	3.90	5.7	24	2.2	16	1.41	3.5	
April	3.83	4.28	3.38	4.40	2.94	3.67	5.1	24	2.0	8	1.46	3.1	
May	3.90	4.30	3.50	4.44	3.03	3.79	5.0	1	2.2	10	1.41	2.8	
June	3.94	4.37	3.52	4.50	3.03	3.77	5.1	8	2.4	6	1.47	2.7	
July	4.04	4.44	3.63	4.53	3.11	3.82	5.2	9	2.4	6	1.42	2.8	
Aug.	4.01	4.43	3.59	4.49	3.12	3.80	4.9	31	2.4	2	1.37	2.5	
Sept.	4.26	4.65	3.88	4.72	3.52	4.12	5.8	18	2.8	1	2.00	3.0	
Oct.	4.28	4.68	3.87	4.82	3.53	4.17	6.3	17	2.1	23	1.29	4.2	6.3
Nov.	3.86	4.31	3.42	4.49	2.96	3.73	5.4	18	1.3	20	1.43	3.1	
Dec.	3.61	4.07	3.15	4.25	2.64	3.45	5.4	16	1.2	18	1.61	3.2	
Totals	47.84	52.90	42.77	54.39	37.46	45.99	64.5		25.0		17.63	37.5	6.3
Average	3.987	4.408	3.564	4.533	3.122	3.833	5.375		2.083		1.469	3.125	
19-yr. mean sea level													

1938

Jan.	3.29	2.81	3.77	3.95	2.36	3.16	4.9	9-23	-0.9	25	1.59	5.8	
Feb.	3.50	3.94	3.06	4.04	2.67	3.36	5.3	21	1.2	27	1.37	3.2	
March	4.02	4.43	3.62	4.55	3.32	3.94	5.1	29-30	2.5	11	1.23	2.2	
April	3.92	4.38	3.47	4.54	3.02	3.78	5.3	6	0.0	9	1.52	5.3	
May	4.21	4.67	3.75	4.85	3.23	4.04	6.5	7	2.4	28	1.62	4.1	
June	3.80	4.25	3.35	4.39	2.83	3.61	4.8	11	1.9	28	1.56	2.9	
July	3.64	4.08	3.20	4.17	2.74	3.46	4.6	27	2.3	5	1.43	2.3	
Aug.	4.31	4.71	3.91	4.78	3.43	4.10	5.9	14	2.8	7	1.35	3.1	
Sept.	4.35	4.73	3.97	4.80	3.58	4.19	6.0	10	3.2	15	1.22	2.8	
Oct.	4.48	4.84	4.11	4.91	3.74	4.32	6.7	17	2.8	2	1.17	3.9	6.7
Nov.	3.96	4.42	3.51	4.63	3.09	3.86	6.3	3	1.2	24	1.54	5.1	
Dec.	3.72	4.17	3.78	4.34	2.83	3.58	5.3	25-26	1.7	9	1.51	2.8	
Totals	47.20	51.43	43.50	53.95	36.84	45.40	66.7		21.1		17.11	43.5	6.7
Average	3.933	4.286	3.625	4.496	3.070	3.783	5.558		1.758		1.426	3.625	
19-yr. mean sea level													

45083

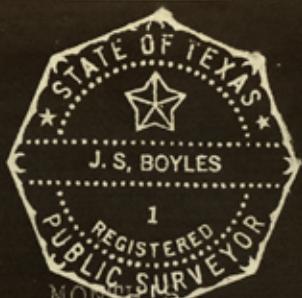


TIDE RECORDS DATA - GALVESTON, TEXAS - U. S. COAST & GEODETIC SURVEY

1939 MONTH	MEAN TIDE LEVEL	MEAN HIGH WATER	MEAN LOW WATER	MEAN HIGHER WATER	MEAN LOWER WATER	MEAN OF MHHW & MLLW	MONTH'S HIGHEST	DAY	MONTH'S LOWEST	DAY	MEAN RANGE MHHW & MLLW	MONTH'S EXTREME RANGE	YR'S. HIGH
Jan.	3.55	4.01	3.09	4.18	2.61	3.40	5.1	28	0.8	30	1.57	2.0	
Feb.	3.82	4.27	3.36	4.43	2.93	3.68	5.2	27	1.5	3	1.51	3.7	
March	3.88	4.31	3.45	4.44	3.07	3.76	5.0	1-5-29	2.2	13	1.37	2.8	
April	3.93	4.38	3.48	4.51	3.15	3.83	5.4	5	2.0	18	1.36	3.4	
May	3.99	4.43	3.55	4.57	3.11	3.84	5.3	7	2.4	2	1.46	2.9	
June	4.10	4.55	3.65	4.67	3.14	3.90	5.7	19	2.5	30	1.53	3.2	
July	3.66	4.11	3.20	4.24	2.73	3.48	5.5	12-13	1.7	15-16	1.51	3.8	5.7
Aug.	3.58	4.01	3.14	4.06	2.76	3.41	4.5	12	2.3	15	1.30	2.2	
Sept.	4.04	4.44	3.65	4.53	3.33	3.93	5.1	26	2.4	9	1.20	2.7	
Oct.	4.40	4.80	4.00	4.89	3.60	4.24	5.3	15	2.0	31	1.29	3.3	
Nov.	4.13	4.54	3.72	4.67	3.30	3.98	5.7	17	2.2	26	1.37	3.5	
Dec.	3.40	3.87	2.93	4.05	2.45	3.25	5.1	25	1.3	27	1.60	3.8	
Total	46.48	51.72	41.22	53.24	36.18	44.70	62.90		23.30		17.07	37.30	
Average	3.873	4.310	3.435	4.437	3.015	3.725	5.242		1.942		1.423	3.108	
19-yr. mean sea level			3.73										

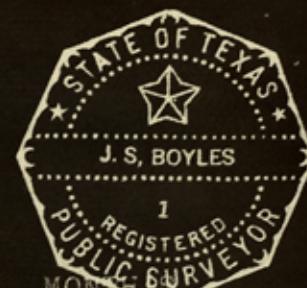
Jan.	3.11	3.63	2.59	3.83	2.17	3.00	5.9	6	0.6	24	1.66	5.3	
Feb.	3.04	3.57	2.52	3.77	2.08	2.92	5.7	15	0.5	21	1.69	5.2	
March	3.44	3.90	2.98	4.02	2.57	3.30	4.9	26	1.0	8	1.45	3.9	
April	3.57	4.03	3.11	4.22	2.76	3.49	5.4	6	1.2	13	1.46	3.2	
May	3.64	4.11	3.18	4.27	2.79	3.53	4.8	1	1.6	24	1.48	3.2	
June	3.91	4.35	3.47	4.49	2.99	3.74	5.2	17	2.5	1	1.50	2.7	
July	3.76	4.21	3.30	4.32	2.79	3.56	4.7	5	2.0	3	1.53	2.7	
Aug.	3.79	4.23	3.35	4.34	2.90	3.62	5.0	29	2.1	1	1.44	2.9	
Sept.	4.58	4.96	4.21	5.05	3.88	4.46	6.4	22	3.0	1	1.17	3.4	6.4
Oct.	4.40	4.79	4.00	4.89	3.67	4.28	5.6	5	2.4	20	1.22	3.2	
Nov.	4.27	4.70	3.84	4.84	3.43	4.14	6.3	25	2.3	15	1.41	4.0	
Dec.	4.22	4.66	3.79	4.83	3.35	4.09	5.6	26	1.8	28	1.48	3.8	
Totals	45.73	51.14	40.34	52.87	35.38	44.13	65.50		21.0		17.49	43.50	6.4
Average	3.811	4.262	3.362	4.406	2.948	3.678	5.458		1.750		1.458	3.625	
19-yr. mean sea level			3.72										

counter 45084



TIDE RECORDS DATA - GALVESTON, TEXAS - U. S. COAST & GEODETIC SURVEY

1942



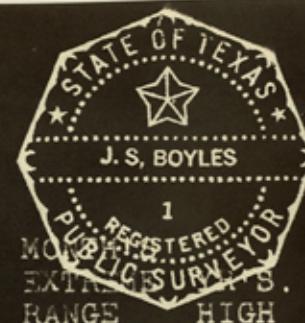
TIDE RECORDS DATA - GALVESTON, TEXAS - U. S. COAST & GEODETIC SURVEY

<u>1943</u>	MEAN TIDE MONTH	MEAN HIGH LEVEL	MEAN LOW WATER	MEAN HIGHER HIGH WATER	MEAN LOWER LOW WATER	MEAN OF MHHW & MLLW	MONTH'S HIGHEST	DAY	MONTH'S LOWEST	DAY	MEAN RANGE MHHW & MLLW	MONTH'S EXTREME RANGE	YR'S. HIGH
Jan.	3.66	4.11	3.21	4.26	2.76	3.51	6.2	7	1.7	8-19	1.56	4.5	6.2
Feb.	3.60	4.03	3.16	4.17	2.78	3.48	4.8	4-5-10	1.3	14	1.39	3.5	
March	4.04	4.46	3.62	4.57	3.32	3.50	5.3	24	1.6	3	1.25	3.7	
April	4.20	4.60	3.80	4.72	3.43	4.08	5.5	17	2.9	24	1.29	3.6	
May	4.38	4.79	3.96	4.94	3.59	4.27	5.7	10-31	2.8	4-25	1.35	2.9	
June	4.43	4.83	4.03	4.93	3.53	4.23	5.8	3	2.4	29	1.40	3.4	
July				"									
Aug.													
Sept.													
Oct.	4.44	4.79	4.09	4.89	3.74	4.32	6.0	13	3.1	28-29	1.15	2.9	
Nov.	4.10	4.51	3.68	4.65	3.22	3.99	5.9	7	1.6	8	1.43	4.3	
Dec.	3.88	4.31	3.46	4.48	3.02	3.25	5.8	27	1.8	29	1.46	4.0	
Total	36.73	40.43	33.01	41.61	29.39	34.63	51.0		19.2		12.28	32.8	6.2
Average	4.081	4.492	3.668	4.623	3.266	3.848	5.667		2.133		1.364	3.644	
19-yr. mean sea level													

1944

Jan.	3.72	4.16	3.28	4.38	2.84	3.61	5.6	7	1.4	9	1.54	4.2	
Feb.	3.86	4.29	3.42	4.44	2.99	3.72	5.7	14	1.9	11	1.45	3.8	
March	4.18	4.58	3.77	4.69	3.42	4.06	5.6	10	2.1	20	1.27	3.5	
April	4.45	4.86	4.04	4.96	3.68	4.32	5.9	30	2.7	3	1.28	3.2	
May	4.76	5.17	4.36	5.29	3.93	4.61	6.4	2	3.2	6	1.36	3.2	
June	4.52	4.89	4.15	5.01	3.67	4.34	5.6	8	3.0	22	1.34	2.6	
July	4.04	4.43	3.65	4.50	3.17	3.84	5.1	5	2.8	16	1.33	2.3	
Aug.	4.06	4.45	3.66	4.55	3.21	3.88	5.4	31	2.6	13	1.34	2.8	
Sept.	4.50	4.87	4.13	4.95	3.76	4.36	7.0	27	2.9	1	1.19	4.1	
Oct.	4.39	4.73	4.09	4.79	3.71	4.25	5.3	5	3.1	21	1.08	2.2	
Nov.	4.34	4.75	3.93	4.94	3.50	4.22	5.7	2	2.4	20-30	1.44	3.3	
Dec.	3.56	4.01	3.10	4.18	2.58	3.38	6.1	4	1.1	14	1.60	5.0	
Total	50.38	55.19	45.58	56.68	40.46	48.59	69.4		29.2		16.22	40.2	7.0
Average	4.198	4.599	3.798	4.723	3.372	4.049	5.783		2.433		1.352	3.350	
19-yr. mean sea level													

counter 45086

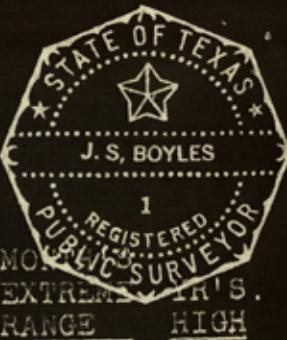


TIDE RECORDS DATA - GALVESTON, TEXAS - U. S. COAST & GEODETIC SURVEY

MONTH	MEAN TIDE LEVEL	MEAN HIGH WATER	MEAN LOW WATER	MEAN HIGHER WATER	MEAN LOWER WATER	MEAN OF MHHW & MLLW	MONTH'S HIGHEST	DAY	MONTH'S LOWEST	DAY	MEAN RANGE MHHW & MLLW	MEAN RANGE EXTRA. HIGH
	1945											
Jan.	3.72	4.15	3.28	4.31	2.78	3.54	5.4	18	1.2	1	1.53	4.2
Feb.	3.74	4.16	3.32	4.27	2.94	3.60	4.8	12-21	1.6	8	1.33	3.2
March	4.14	4.52	3.75	4.65	3.40	4.02	5.7	25	1.7	21	1.25	4.0
April	4.86	5.29	4.43	5.41	4.04	4.72	6.6	1	2.7	5	1.37	3.9
May	4.85	4.85	4.05	4.96	3.56	4.26	6.2	15	2.8	4	1.40	3.4
June	4.56	4.98	4.15	5.09	3.69	4.39	6.4	12	2.9	8	1.40	3.5
July	4.25	4.64	3.86	4.74	3.39	4.07	5.7	20	2.6	7	1.35	3.1
Aug.	4.52	4.91	4.12	5.00	3.63	4.32	6.5	27	2.4	3	1.37	3.8
Sept.	4.81	5.16	4.46	5.22	4.06	4.64	5.8	29	3.3	13	1.16	2.5
Oct.	4.88	5.22	4.53	5.33	4.14	4.74	6.2	2-4	2.1	22	1.19	4.1
Nov.	4.36	4.74	3.97	4.90	3.56	4.23	5.6	16	2.5	22	1.34	3.3
Dec.	3.90	4.32	3.47	4.51	3.08	3.80	5.8	17	1.2	5	1.43	4.6

Total 52.19 56.94 47.39  
 Average 4.349 4.745 3.94  
 19-yr. mean sea level 3.85

1946



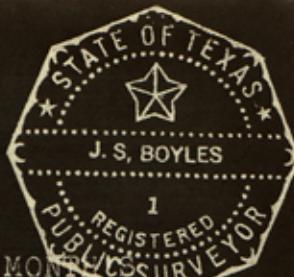
TIDE RECORDS DATA - GALVESTON, TEXAS - U. S. COAST & GEODETIC SURVEY

1947 MONTH	MEAN TIDE LEVEL	MEAN HIGH WATER	MEAN LOW WATER	MEAN HIGHER WATER	MEAN LOWER WATER	MEAN OF MHHW & MLLW	MONTH'S HIGHEST	MONTH'S DAY	MONTH'S LOWEST	MONTH'S DAY	MEAN RANGE MHHW & MLLW	MONTH'S EXTREME TIDE'S. RANGE	PUBLIC REGISTERED SURVEYOR 1
													HIGH
Jan.	3.62	4.45	4.05	4.57	3.16	3.86	5.2	7	1.9	3	1.41		
Feb.	3.38	4.23	3.80	4.38	2.93	3.66	5.1	2	1.5	5	1.45		
March	3.88	4.29	3.48	4.45	2.99	3.72	5.7	18	2.0	8	1.46		
April	4.22	4.62	3.82	4.73	3.38	4.06	5.6	5	2.6	17	1.35		
May	4.39	4.83	3.95	4.99	3.49	4.24	7.3	23	2.2	6	1.50		7.3
June	4.36	4.75	3.97	4.87	3.42	4.14	6.0	19	2.8	3	1.45		
July	4.12	4.50	3.74	4.58	3.18	3.88	5.1	6	1.7	18	1.40		
Aug.	4.62	5.01	4.24	5.09	3.76	4.42	6.6	24	2.9	15	1.33		
Sept.	4.52	4.86	4.19	4.97	3.79	4.38	5.8	21	3.2	12	1.18		
Oct.	4.60	4.95	4.24	5.03	3.83	4.43	6.0	4	3.1	16	1.20		
Nov.	4.65	5.09	4.21	5.29	3.70	4.50	6.2	14	2.2	2	1.59		
Dec.	4.32	4.74	3.89	4.94	3.38	4.16	6.3	14	1.9	27	1.56		
Total	50.68	56.32	47.58	57.89	41.01	49.45	70.9		28.0		16.88		7.3
Average	4.223	4.693	3.965	4.824	3.418	4.120	5.908		2.333		1.407		
19-yr. mean sea level													

1948

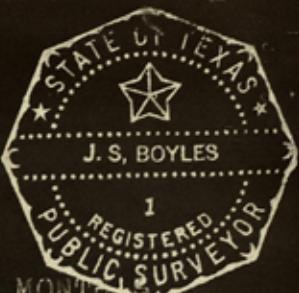
Jan.	3.88	4.29	3.47	4.46	3.01	3.74	5.5	19	1.5	1	1.45	4.0	
Feb.	4.01	4.42	3.60	4.54	3.11	3.82	5.7	24	1.7	9	1.43	4.0	
March	4.64	5.02	4.25	5.11	3.81	4.46	5.8	9	2.8	27	1.30	3.0	
April	4.62	5.01	4.24	5.09	3.76	4.42	6.2	25	2.9	1	1.33	3.3	6.2
May	4.53	4.91	4.15	5.00	3.68	4.34	5.9	9	2.9	23	1.32	3.0	
June	4.21	4.60	3.82	4.72	3.29	4.00	5.1	22-23	2.2	9	1.43	2.9	
July	4.34	4.71	3.97	4.78	3.43	4.10	5.4	5	3.0	31	1.35	2.4	
Aug.	4.40	4.78	4.02	4.85	3.50	4.18	5.9	29	2.8	14-15	1.35	3.1	
Sept.	4.97	5.34	4.60	5.42	4.17	4.80	6.1	18	3.3	1	1.25	2.8	
Oct.	4.83	5.18	4.48	5.27	4.06	4.66	5.6	5-25-31	3.5	17-18	1.21	2.1	
Nov.	4.38	4.81	3.94	4.96	3.43	4.20	5.8	1-5-18	1.0	29	1.53	4.8	
Dec.	4.06	4.48	3.63	4.64	3.07	3.86	5.3	28-29	1.2	20	1.57	4.1	
Total	52.87	57.55	48.17	58.84	42.32	50.58	68.3		28.8		16.52	39.5	6.2
Average	4.406	4.796	4.014	4.903	3.527	4.215	5.692		2.400		1.377	3.292	
19-yr mean sea level													

cont'd 45083



TIDE RECORDS DATA - GALVESTON, TEXAS - U. S. COAST & GEODETIC SURVEY

1950



TIDE RECORDS DATA - GALVESTON, TEXAS - U. S. COAST & GEODETIC SURVEY

<u>1951</u>	<u>MEAN</u>	<u>MEAN</u>	<u>MEAN</u>	<u>MEAN</u>	<u>HIGHER</u>	<u>MEAN</u>	<u>MEAN</u>	<u>MEAN</u>	<u>RANGE</u>	<u>MONTH</u>	<u>EXTREME</u>	<u>YR'S.</u>
<u>MONTH</u>	<u>TIDE</u>	<u>HIGH</u>	<u>LOW</u>	<u>HIGH</u>	<u>LOW</u>	<u>WATER</u>	<u>WATER</u>	<u>MHHW &amp;</u>	<u>MONTH'S</u>		<u>WATER</u>	<u>HIGH</u>
	<u>LEVEL</u>	<u>WATER</u>	<u>WATER</u>	<u>WATER</u>	<u>WATER</u>			<u>MLLW</u>	<u>HIGHEST</u>	<u>DAY</u>	<u>LOWEST</u>	<u>DAY</u>
Jan.	3.92	4.36	3.49	4.52	3.00	3.76	5.3		6	1.9	8-15	1.52
Feb.	3.90	4.31	3.48	4.38	3.02	3.70	5.0		28	1.8	2	1.36
March	4.08	4.52	3.65	4.63	3.15	3.89	5.8		28	1.5	13	1.48
April	3.49	4.40	3.58	4.56	3.08	3.82	5.2		30	1.9	13	1.48
May	4.28	4.70	3.87	4.85	3.34	4.10	5.6		1	2.3	23	1.51
June	4.09	4.52	3.66	4.66	3.06	3.86	5.1		24	2.1	18	1.60
July	4.04	4.45	3.64	4.55	3.04	3.80	5.0		1-2	2.4	17-18	1.51
Aug.	4.09	4.48	3.70	4.58	3.16	3.87	5.3		18-19	2.4	11-12	1.42
Sept.	4.62	5.00	4.23	5.09	3.81	4.45	5.8		12-13	3.0	10	1.28
Oct.	4.72	5.08	4.36	5.18	3.91	4.54	5.8		2	3.1	7	1.27
Nov.	4.18	4.62	3.73	4.79	3.16	3.98	5.9		5	1.7	6	1.63
Dec.	4.31	4.78	3.85	4.96	3.28	4.12	5.9		17	1.4	15	1.68
Total	49.72	55.22	45.24	56.75	39.01	47.89	65.7		25.5		17.74	40.2
Average	4.143	4.602	3.770	4.729	3.251	3.991	5.475		2.125		1.478	3.350
19-yr. mean sea level												

1952

Jan.	4.26	3.83	4.69	4.84	3.39	4.12	5.9		25	1.8	10	1.45	4.1
Feb.	4.02	3.62	4.43	4.63	3.16	3.90	6.1		21-22	1.9	5	1.47	4.2
March	4.38	3.98	4.78	4.92	3.51	4.22	5.5		10	2.3	1	1.41	3.2
April	4.10	3.69	4.50	4.63	3.19	3.91	5.5		12-23	2.0	14	1.44	3.5
May	4.34	3.96	4.72	4.82	3.45	4.14	5.7		24	2.3	10	1.37	3.4
June	4.24	3.86	4.62	4.71	3.32	4.02	5.7		8	2.6	18	1.39	3.1
July	4.52	4.13	4.91	4.99	3.58	4.28	6.8		17	2.7	7	1.41	4.1
Aug.	4.16	3.76	4.56	4.63	3.21	3.92	5.8		28	2.7	3-13-14	1.42	3.1
Sept.	4.88	4.51	5.25	5.31	4.06	4.68	6.6		10-11	2.8	2	1.25	3.8
Oct.	4.23	3.84	4.62	4.70	3.40	4.05	5.2	1-3-5-6	2.8	23	1.30	2.9	
Nov.	4.20	3.80	4.61	4.74	3.26	4.00	5.6		29	2.3	20	1.48	3.3
Dec.	4.02	3.58	4.46	4.61	3.03	3.82	5.1	4-19-30	1.3	31	1.58	3.8	
Total	51.35	46.56	56.15	57.53	40.56	49.06	69.50		27.5		16.97	42.5	6.8
Average	4.279	3.880	4.679	4.794	3.380	4.088	5.792		2.292		1.414	3.542	
19-yr. mean sea level													

counter 45090

TIDE RECORDS DATA - GALVESTON, TEXAS - U. S. COAST & GEODETIC SURVEY

1951



TIDE RECORDS DATA - GALVESTON, TEXAS - U. S. COAST & GEODETIC SURVEY

1955 MONTH	MEAN TIDE LEVEL	MEAN HIGH WATER	MEAN LOW WATER	MEAN HIGHER WATER	MEAN LOWER WATER	MEAN OF MHHW & MLLW	MONTH'S HIGHEST DAY	MONTH'S LOWEST DAY	MEAN RANGE MHHW & MLLW	MONTH'S EXTREME RANGE	YR'S. HIGH	
Jan.	3.72	4.16	3.29	4.28	2.75	3.52	5.0	17	0.8	19	1.53	4.2
Feb.	4.07	4.50	3.64	4.60	3.17	3.88	6.0	4	1.7	11	1.43	4.3
March	3.96	4.40	3.51	4.52	3.02	3.77	5.4	21	1.6	22	1.50	3.8
April	4.32	4.73	3.92	4.85	3.50	4.18	5.6	10	2.7	2	1.35	2.9
May	4.32	4.73	3.92	4.85	3.43	4.14	6.0	26	2.7	21	1.42	3.3
June	4.32	4.71	3.92	4.79	3.39	4.09	5.5	18	2.9	21	1.40	2.6
July	4.37	4.76	3.98	4.82	3.47	4.14	5.3	19	2.6	30	1.35	2.7
Aug.	4.26	4.64	3.88	4.69	3.41	4.05	5.4	28	2.7	27	1.28	2.7
Sept.	4.84	5.20	4.48	5.26	4.11	4.68	5.6	19	3.6	8	1.15	2.0
Oct.	4.51	4.89	4.13	4.99	3.70	4.34	6.0	7	2.8	17	1.29	3.2
Nov.	4.45	4.85	4.05	4.98	3.55	4.26	5.6	18	2.4	29	1.43	3.2
Dec.	4.04	4.50	3.59	4.63	3.07	3.85	6.0	1	1.9	9	1.56	4.1
Total	51.18	56.07	46.31	57.26	40.57	48.90	67.40		28.4	16.69	39.0	6.0
Average	4.265	4.673	3.859	4.772	3.381	4.075	5.617		2.367	1.391	3.250	
19-yr. mean sea level			4.10									

counter 95092