

PROFESSIONAL  
ENGINEERS

**J. S. BOYLES & ASSOCIATES**

200 STEWART BUILDING  
HOUSTON 2, TEXAS  
CA. 7-1861

LICENSED STATE  
LAND SURVEYORS

CIVIL ENGINEERING - LAND & COASTAL SURVEYING - SUBDIVISIONS - OIL FIELD LOCATIONS - DRAFTING

June 13th, 1957

U. S. Coast & Geodetic Survey  
Commerce Bldg.,  
Washington 25, D. C.

Gentlemen:

Will you please furnish me with:

1st. Highest observed water level above  
annual sea level for each of 19 consecutive  
years (1938-56) and the average of the 19  
values thus obtained.

2nd. The highest high water produced by  
the periodic tide at Galveston during the  
19-year period (1938-1956).

Thanking you in advance for this information, I

am

Sincerely,

*J. S. Boyles*  
J. S. Boyles

JSB:nc

*4 Mullins*

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JUN 25 1957

GENERAL LAND OFFICE

74130





150 YEARS OF SERVICE  
1807 - 1957

U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY  
WASHINGTON 25

IN REPLY ADDRESS THE DIRECTOR  
COAST AND GEODETIC SURVEY  
AND NOT THE BUREAU OF THIS LETTER

AND REFER TO NO

32-103-752

June 18, 1957

Mr. J. S. Boyles  
200 Stewart Building  
Houston 2, Texas

Dear Sir:

This is in reply to your letter of June 13, 1957  
requesting observed and predicted water levels at  
Galveston, Texas.

A table of observed water levels for the 19 year  
period (1938-1956) is enclosed.

The highest high water above annual sea level  
produced by the periodic tide at Galveston during the  
19 year period (1938-1956) was 1.2 feet.

Very truly yours,

Assistant Director

Enclosure

*p.s. Not only did I enjoy, but I also profited, by  
our philosophical talk the other day.  
Paul*

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Galveston, Texas

(3) Highest observed water level above annual sea level for each of 19 consecutive years (1938-56) and the average of the 19 values thus obtained (from Coast and Geodetic Survey tide gage records at Galveston).

<u>Year</u>	(1) Highest Observed Water Level <u>Feet</u>	(2) Annual Sea Level <u>Feet</u>	(3) Difference <u>Feet</u>
1938	6.7	3.9	2.8
39	5.7	3.8	1.9
40	6.3	3.7	2.6
41	(9.1)*	4.0	5.1
42	9.3	4.0	5.3
43	6.2	4.0	2.2
44	7.0	4.2	2.8
45	6.6	4.3	2.3
46	7.3	4.3	3.0
47	7.3	4.2	3.1
48	6.2	4.3	1.9
49	8.8	4.4	4.4
50	6.7	4.4	2.3
51	5.9	4.1	1.8
52	6.8	4.2	2.6
53	6.6	4.2	2.4
54	6.2	4.0	2.2
55	6.0	4.2	1.8
56	6.4	4.1	<u>2.3</u>
			Mean 2.78

\*Inferred

(1) & (2) Heights are referred to a staff zero which is 12.91 ft. below B.M. 40.

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(Current Miscellaneous Information)

Observed and Predicted water levels at  
Galveston, 1938 -1956.

By

U. S. Department of commerce, Coast and  
Geodetic Survey. June 18, 1957.

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