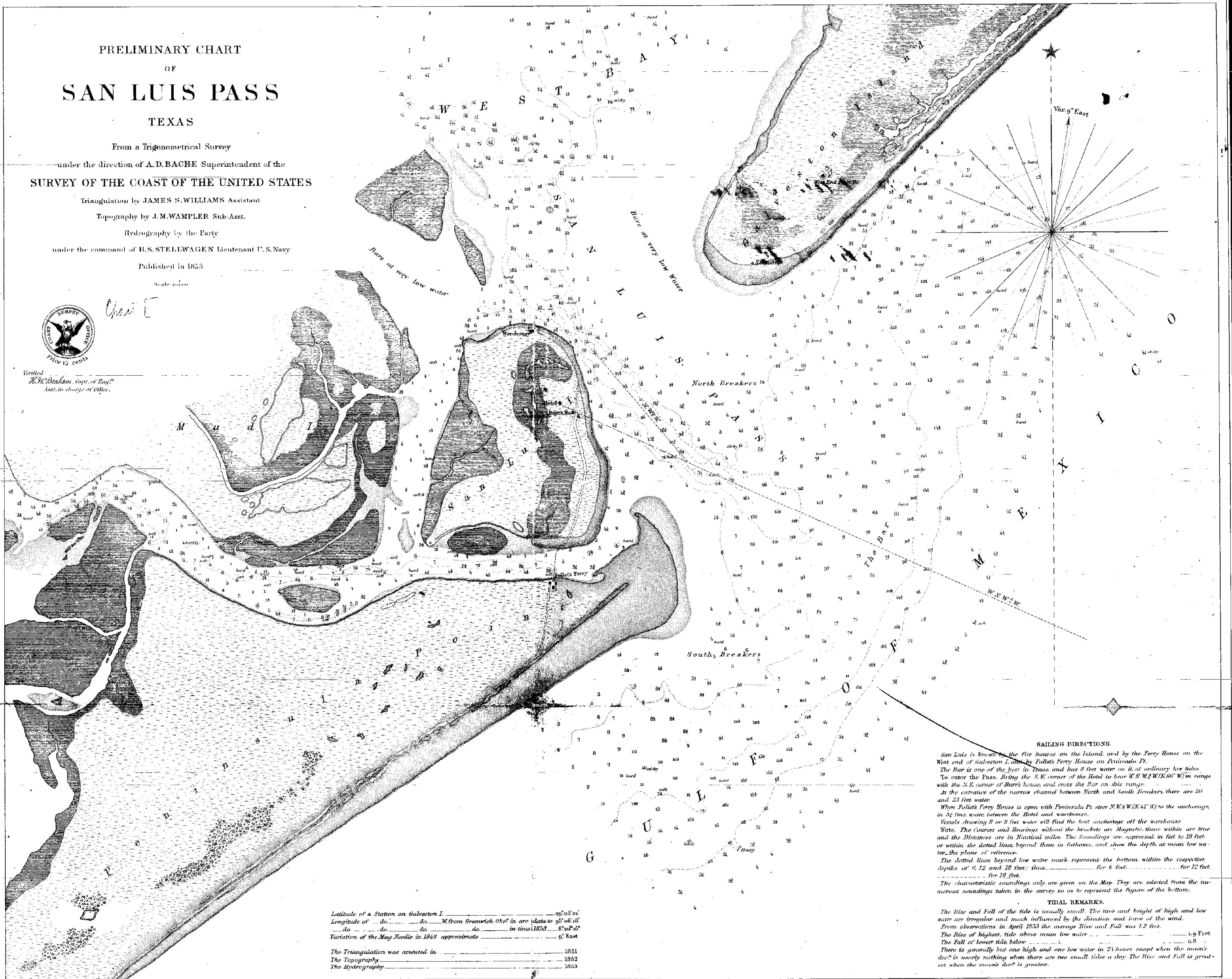


PRELIMINARY CHART OF SAN LUIS PASS TEXAS

From a Trigonometrical Survey
under the direction of A.D. BACHE Superintendent of the
SURVEY OF THE COAST OF THE UNITED STATES
Triangulation by JAMES S. WILLIAMS Assistant
Topography by J.M. WAMPLER Sub-Asst.
Hydrography by the Party
under the command of H.S. STELLWAGEN Lieutenant U.S. Navy
Published in 1853
Scale 1:60,000



Control
Z.W. Benham, Capt. of Eng.
Asst. in charge of Office.



SAILING DIRECTIONS.
San Luis is known by the five houses on the island, and by the Ferry House on the West end of Galveston I. and by Follet's Ferry House on Poyosula Pt.
The Bar is one of the best in Texas, and has 8 feet water on it at ordinary low tides.
To enter the Pass. Bring the S.W. corner of the Hotel to bear W. N. W. (O. 60° W) in range with the N.E. corner of Barr's house, and cross the Bar on this range.
At the entrance of the narrow channel between North and South Breakers, there are 20 and 23 feet water.
When Follet's Ferry House is open with Peninsula Pt. steer N. W. 3/4 W (N. 41° W) to the anchorage; in 1/2 fms water between the Hotel and warehouses.
Vessels drawing 9 or 9 feet water will find the best anchorage off the warehouse.
Note. The courses and bearings within the brackets are Magnetic, those within are true and the Distances are in Nautical miles. The Soundings are expressed in feet to 18 feet, or within the dotted lines, beyond them in fathoms, and show the depth at mean low water, the plane of reference.
The dotted lines beyond low water mark represent the bottom within the respective depths of 6, 12 and 18 feet; thus: for 6 feet, for 12 feet, for 18 feet.
The characteristic soundings only are given on the Map. They are selected from the numerous soundings taken in the survey so as to represent the figure of the bottom.

TIDAL REMARKS.
The Rise and Fall of the tide is usually small. The time and height of high and low water are irregular and much influenced by the direction and force of the wind.
From observations in April 1853 the average Rise and Fall was 1.2 feet.
The Rise of highest tide above mean low water 1.9 Feet
The Fall of lowest tide below 0.5
There is generally but one high and one low water in 24 hours except when the moon's decl' is nearly nothing when there are two small tides a day. The Rise and Fall is greatest when the moon's decl' is greatest.

Latitude of a Station on Galveston I. 29° 05' 22"
Longitude of do. do. W. from Greenwich Obs' in arc 104° 08' 18"
do do do in time 1853 6° 40' 25"
Variation of the Mag Needle in 1843 approximate 9° East

The Triangulation was executed in 1851
The Topography 1852
The Hydrography 1853

Statute Miles
Nautical Miles