

F00009

F00009

NOAA FORM 78-35A	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SERVICE	
DESCRIPTIVE REPORT	
Type of Survey	Field Edit
Field No.	
Registry No.	F00009
LOCALITY	
State	FLORIDA
General Locality	ST. ANDREW BAY
Sublocality	NEW ENTRANCE CHANNEL
1934-35	
CHIEF OF PARTY	
LIBRARY & ARCHIVES	
DATE	

★U.S. GOV. PRINTING OFFICE: 1987-756-980

NOTE: A new system for registering Field Examinations (FE's) was established in 1980. All FE's are now consecutively numbered as shown hereon. The date shown in the new format is the actual date of survey. This material was previously registered as:

FE No.1, 1935_

227817
80
CHART
LETTER
F. E. I (1935)

POST-OFFICE ADDRESS: Box UU, Panama City, Florida.

TELEGRAPH ADDRESS: Page 1.

EXPRESS ADDRESS:

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

February 1, 1935

To: The Director,
U. S. Coast & Geodetic Survey,
Washington, D.C.

From: Lieut. Wm. D. Patterson,
Chief of Field Party No. 5.

Subject: Chart Letter - New Cut, St. Andrew Bay.

Reference: 22-SG, 1990 (5); dated December 22, 1934.

In accordance with your letter, referred to above, surveys were made of the new dredged cut between St. Andrew Bay and the Gulf, and the results are shown on the enclosed tracing of our survey sheets.

TOPOGRAPHY Topography was executed on an aluminum mounted sheet, scale 1:10,000, N. A. 1927 datum. All existing U. S. Engineer stations in this vicinity are shown in red. Aids to navigation are shown in black so that they will show clearly in the blue prints to be furnished the Lighthouse Service. The shoreline through the cut is rapidly washing away and several of the U. S. Engineers' stations will soon be lost. Station "CREST" washed out on January 23, 1935 and is lost.

HYDROGRAPHY The soundings shown were traced from our boat sheet. Special care was taken in plotting positions and soundings on the boat sheet so that the locations of the soundings are correct.

TIDES Reducers for soundings were obtained from predicted tides for Pensacola, Florida, applying a two hour minus correction for time. The U. S. Engineers' tide gage at St. Andrew Bay Entrance was used by them for the reduction of soundings from which the enclosed blue print was prepared, all soundings being reduced to the zero of the tide staff. A comparison between this gage and the standard gage at Pensacola (by our Washington Office) shows that the low water datum on this staff is 0.0 feet, with a minus two hours correction for time. To assist in drawing curves from predicted tides for the reduction of soundings taken by this party, the tide level was read on the staff whenever the hydrographic launch was in the vicinity.

POST-OFFICE ADDRESS:

Box UU, Panama City, Florida.

TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

ANSWERED

FEB 25 1935

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

February 18, 1935

To: The Director,
U. S. Coast & Geodetic Survey,
Washington, D.C.

From: Lieut. Wm. D. Patterson,
Chief of Field Party No. 5.

Subject: New Entrance Channel, St. Andrew Bay, Florida.

F. E. 1 (1935)

R.S.

There are forwarded herewith photostats of the latest U. S. Engineers' survey of the new entrance channel to St. Andrew Bay. This survey was made during the first week in February 1935 and the controlling depth as stated by the U. S. Engineers is about 26½ feet, but this depth is not good for the entire bottom width of the channel.

*Digital
charts
only.*

cannot tell controlling depth closer than 3 feet. S.P.

A tracing is attached hereto, showing corrections to the original tracing of surveys made by Field Party No. 5 which was forwarded on February 1, 1935. A change has been made in the shoreline and soundings to the eastward of station U.S.E. 7. A discrepancy existed here between the hydrographic and topographic surveys and we forwarded what appeared to be the correct condition. A recent check survey of this point was made with the result as shown on the enclosed tracing. The correct designation of stations U.S.E. 3 and U.S.E. 4 is indicated.

On the photostats of the U. S. Engineers' survey, new stations "Knob" and "Light" are shown. These stations were established since the date of our survey to replace stations "Crest" and U.S.E. 10, which were washed out.

*Lighted bell buoy
on chart 184*

The sea-buoy, about 1½ miles off the entrance, is a lighted bell buoy.

Bps. 28358 + 28359.

Wm. D. Patterson
Wm. D. Patterson, Lieut.,
Chief of Field Party No. 5.

80-CFT

W. D. P.

February 25, 1935.

To: Lieutenant W. D. Patterson,
Chief of Field Party No. 5,
U. S. Coast and Geodetic Survey,
Box UU,
Panama City, Florida.

From: The Director,
U. S. Coast and Geodetic Survey.

Subject: New Entrance Channel, St. Andrew Bay, Florida.

Receipt is acknowledged, with thanks, of your letter of February 18, 1935, furnishing a tracing showing corrections to your original tracing showing the condition of the new entrance channel of St. Andrew Bay, Florida, forwarded with your letter of February 1, 1935; and two U. S. Engineer blue prints showing by depth curves the condition of the St. Andrew Bay entrance channel.

Your attention is called to the fact that such prints, showing only depth curves, are not suitable for use in the correction of charts, and when possible it would be appreciated if you could obtain prints showing the actual soundings taken. This Office will request that the District Engineer at Mobile Alabama furnish this Office with blue prints showing soundings taken during their latest survey.

(Signed) R. S. PATTON
Director.

AIDS TO NAVIGATION The data pertaining to St. Andrew Bay Entrance Light was obtained from the U. S. Engineers and is believed to be correct except for the visibility of the light which was estimated at 12 miles. The "piles" shown on the tracing were used by the U. S. Engineers for dredging and survey marks. Since they will be left in position until they rot away, they are suitable for charting at the present time. Nos. 3, 4 & 6 are lighted beacons. The remaining circles are lighted buoys, except No. 5 which is an unlighted black can buoy. The shoreline in the vicinity of lighted beacon No. 4 is rapidly cutting away and the beacon will probably be moved soon. It has already been moved once since the cut was dredged. The jetties are constructed of large rocks.

SURVEY BY U. S. ENGINEERS The blue print shows the results of the latest survey made by the U. S. Engineers. The depth curves shown on the blue print were constructed from a close survey made on scale of 1:1,200. Soundings were reduced to the zero of the tide staff at St. Andrew Bay Entrance, which is set at mean low water. A least depth of 28 feet can be carried through the entrance, but shoaling is gradually narrowing the width of the channel.

BLUE PRINTS TO THE LIGHTHOUSE SERVICE The Superintendent, 8th. District, U. S. Lighthouse Service, at New Orleans, Louisiana, has requested that he be furnished with three blue prints of our surveys of this entrance cut, showing aids to navigation. See Director's letters, 22-AA, 1990 (5) 720 Vh; dated January 22, 1935; and 22/MEK, 1990 (5); dated January 28, 1935.

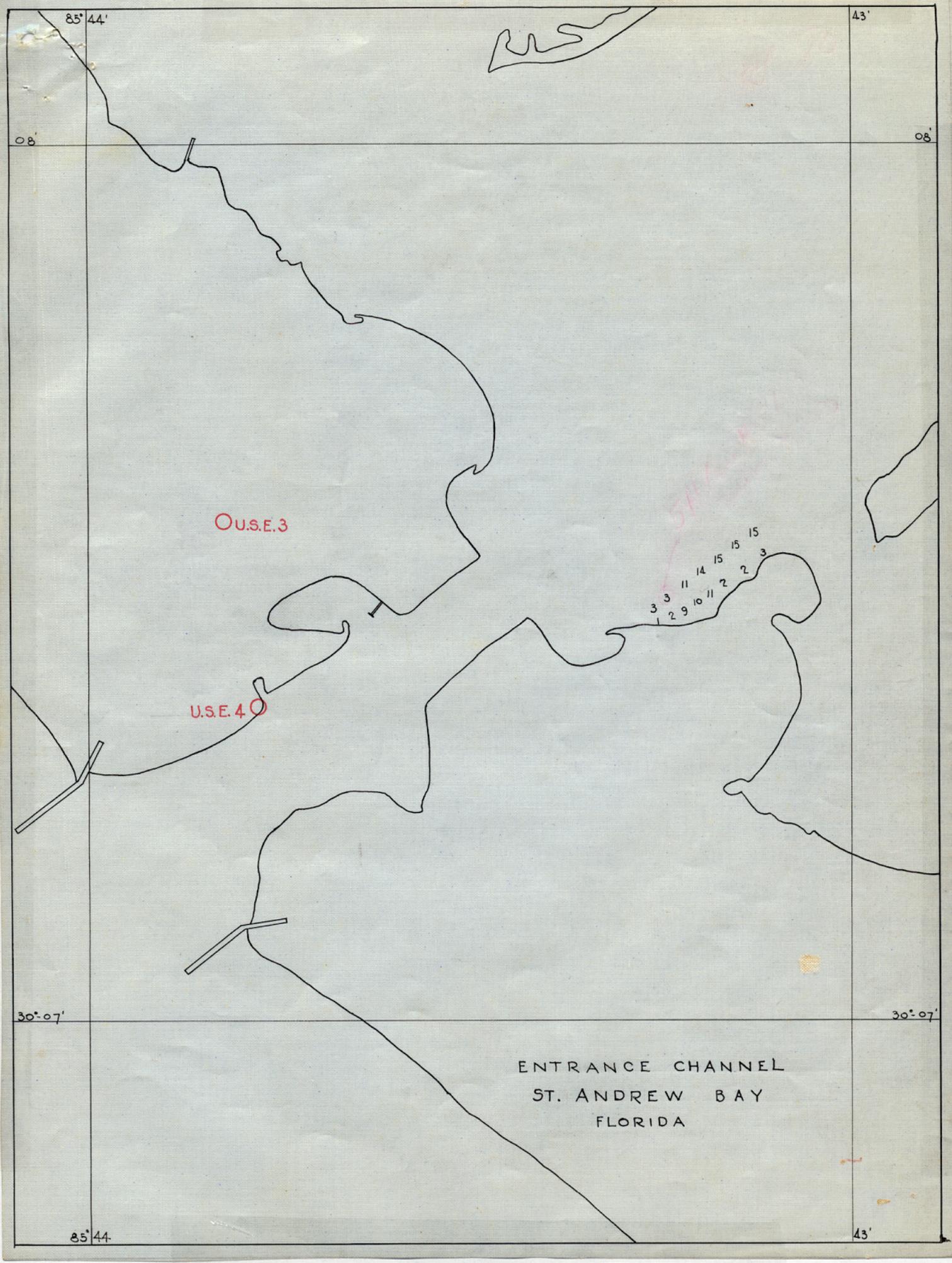
*Furnished
xsp*

Respectfully submitted,

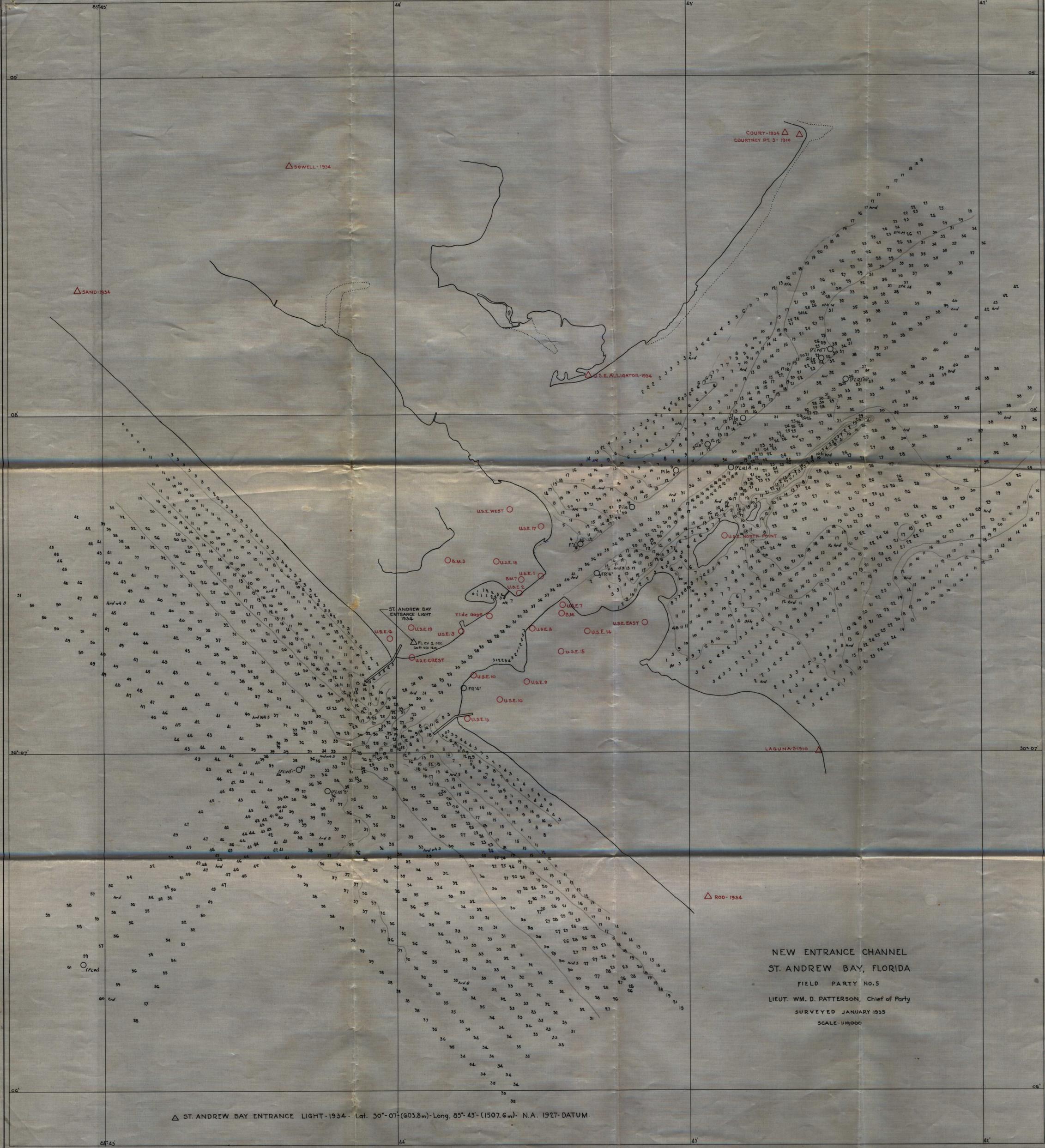
Wm. D. Patterson
Wm. D. Patterson, Lieut.,
Chief of Field Party No. 5.

Enclosures: 1 tracing of Survey Sheets.
1 Blue Print, Surveys by U. S. Engineers.

Not received yet. Will be mailed later.



ENTRANCE CHANNEL
ST. ANDREW BAY
FLORIDA



COURT-1934
COURTNEY PT. 3-1910

△ SOWELL-1934

△ SAND-1934

△ U.S.E. ALLIGATOR-1934

U.S.E. WEST ○

U.S.E. 17 ○

○ B.M. 3

○ U.S.E. 18

○ U.S.E. 1

○ U.S.E. 2

○ U.S.E. 7

○ B.M.

U.S.E. EAST ○

○ U.S.E. 14

○ U.S.E. 15

○ U.S.E. 10

○ U.S.E. 9

○ U.S.E. 16

○ U.S.E. 13

○ U.S.E. 6

○ U.S.E. 19

U.S.E. 3 ○

○ U.S.E. CREST

FR 4'

ST. ANDREW BAY ENTRANCE LIGHT 1934

△ tide gage

△ LAGUNA 2-1910

△ ROD-1934

NEW ENTRANCE CHANNEL
ST. ANDREW BAY, FLORIDA
FIELD PARTY No. 5

LIEUT. WM. D. PATTERSON, Chief of Party
SURVEYED JANUARY 1935
SCALE - 1:10,000

△ ST. ANDREW BAY ENTRANCE LIGHT - 1934 - Lat. 30°-07' (603.8 m) - Long. 85°-43' (1507.6 m) - N.A. 1927-DATUM.

F.E. 1 (1935)