

7947

Diag. Cht. Nos. 1214-2 & 1215-3

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

es-337

Type of Survey ... HYDROGRAPHIC

Field No. STIRNI ... Office No. H-7947

LOCALITY

State ... NEW YORK

General locality ... SOUTH SHORE LONG ISLAND

Locality ... JONES INLET TO FIRE ISLAND INLET

194/51

CHIEF OF PARTY

F.B. Quinn

LIBRARY & ARCHIVES

DATE ... MAR 21 1952

2762

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

REGISTER No. H-7947

Field No. Stirni

State NEW YORK

General locality SOUTH SHORE OF LONG ISLAND

Locality JONES INLET TO FIRE ISLAND INLET

Scale 1:20,000 Date of survey 8/27 to 10/13, 1951

Instructions dated 1 JUNE 1951

Vessel STIRNI

Chief of party F.B. QUINN

Surveyed by F.B. QUINN

Soundings taken by ~~fathometer~~, graphic recorder, ~~hand lead, wire~~

Fathograms scaled by SHIPS PERSONNEL

Fathograms checked by NORFOLK PROCESSING OFFICE.

Protracted by W.F. JONNS

Soundings penciled by BEN. T. LEWIS

Soundings in ~~fathoms~~ feet at MLW ~~MLLWS~~

REMARKS: This survey was smooth plotted in the Hydrographic
Section of the Norfolk Processing Office.

782

H-4792, 1927
H-5371, 1933

Descriptive Report To Accompany
Hydrographic Survey H-7947 (Registry No.)

F. B. Quinn, Chief of Party

Ship STIRNI

Scale — 1:20,000

GENERAL STATEMENT:-

The boat sheets and all records for this project have been delivered to the processing office at Norfolk, Virginia for smooth plotting, to get the information to the Beach Erosion Board while the Ship STIRNI continued field work projects. Information not included in this report may be obtained from the Norfolk Office.

A. PROJECT:- CS-337, instructions dated 1 June 1951 to Commanding Officer, Ship STIRNI. } not available

Comdr. J. Laskowski, USC&GS, arranged with the Beach Erosion Board to have that board rebuild the shore ranges in the same locations they occupied in the 1950 survey by Comdr. W. J. Chovan, USC&GS.

H-7870 LH-7870

B. SURVEY LIMITS AND DATES:-

This survey was conducted off Jones Beach, Long Island, New York between 27 August and 13 October 1951 for the purpose of rerunning the profiles started last year at the request of the New York Beach Erosion Board. The same 1/20,000 scale boat sheet was used by this party as was used by last year's party. The 1/10,000 scale boat sheets were disregarded, except for comparison, because the 1950 work was smooth plotted entirely on the 1/20,000 scale. The limits can be furnished by the Norfolk Processing Office. H-7870 LH-7870

C. VESSEL AND EQUIPMENT:-

The Coast Survey Ship STIRNI was used in this survey while basing at Sandy Hook, New Jersey. The turning radius of the STIRNI is about one-hundred feet at thirteen knots.

The fathometer used was an 808 Portable Depth Recorder, model A, number 65, and was used in depths of from fifteen feet to over seventy feet. A metal check bar, with accurately calibrated lead lines, was used to obtain Bar Checks whenever the seas were smooth enough to permit accurate values. These bar checks are indexed in volume 1.

D. TIDE AND CURRENT STATIONS:-

Predicted tides at Sandy Hook, New Jersey were used to reduce soundings on the boat sheet. A correction of -0.5 feet was used as indicated for Long Beach, Long Island, outer coast.

It was recommended that the Washington Office be asked to supply tide readings for Sandy Hook Tide Stations, and time and range corrections for the area of the survey.

E. SMOOTH SHEET:-

The smooth sheet ^{was} ~~is being~~ plotted by the Norfolk Processing Office.

F. CONTROL STATIONS:-

The boat sheet ^{H-7870} used in this survey was made up for the 1950 original survey, and the stations remained the same except for the addition of several signals located by sextant cuts from the STIRNI. H-7870

No unusual methods were used.

The stations used may be obtained from the Norfolk Office.

G. SHORELINE AND TOPOGRAPHY:-

No discrepancies or changes were noted. No actual topographic checks were made.

H. SOUNDINGS:-

Standard methods and corrections were used and applied on the boat sheet. In one day's work, soundings taken while running into the sea were rejected as inaccurate and superseded by soundings taken the same day running with the sea.

I. CONTROL OF HYDROGRAPHY:-

Sextant fixes were used for horizontal control while running on ranges supplied by the Beach Erosion Board. When ranges became invisible, compass courses were used to hold the sounding lines in the same positions as those run in 1950.

J. ADEQUACY OF SURVEY:-

The survey of Sheet H-7949 for 1951 is considered complete and adequate.

K. CROSSLINES:-

Fewer crosslines were run than on the original survey, although an adequate number. The percentage can be given by the Norfolk Office.

L. COMPARISON WITH PRIOR SURVEYS:-

^{-H-7870}
This survey was rerun over the same area as the ^{H-7870} 1950 Jones Beach Profile Survey and the results showed satisfactory agreement. Fewer lines were run parallel to the shoreline in 1951 because the 1950 survey had established the limits and shapes of the pronounced irregularities in the 60-foot depth curve.

M - Y:-

^{H-7870}
No changes had occurred since the ^A 1950 surveys. (H-7870)

Z. TABULATION OF APPLICABLE DATA:-

All data were turned over to the Norfolk Processing Office, and they will comply with this paragraph.

Submitted,

Robert A. Parker
Robert A. Parker
Ensign, USC&GS

Forwarded Approved,

F. B. Quinn

F. B. Quinn
Commander, USC&GS
Chief of Party

2/12/52

SETTLEMENT AND SQUAT
SHIP'S PARKER, BOWEN, STIRNI
TABULATION OF CORRECTIONS

SPEED (RPM)	CORRECTION (FEET) (+)	FROM DEPTH TO DEPTH (FEET)
400	0.2	all depths
450	0.2	all depths
500	0.2	all depths
600	0.4	6.0 to 14.5
	0.2	15.0 & over
650	0.6	6.5 to 11.0
	0.4	11.5 to 17.0
	0.2	17.5 & over
700	0.8	to 12.0
	0.6	12.5 to 15.0
	0.4	15.5 to 19.5
	0.2	20.0 & over
750	1.0	to 12.0
	0.8	12.5 to 14.0
	0.6	14.5 to 16.5
	0.4	17.0 to 21.5
	0.2	22.0 to 31.5
	0.4	32.0 & over
800	1.0	12.5 to 13.0
	0.8	13.5 to 15.5
	0.6	16.0 to 19.0
	0.4	19.5 & over
850	1.0	12.5 to 13.5
	0.8	14.0 to 16.5
	0.6	17.0 to 22.5
	0.4	23.0 & over
900	1.0	12.5 to 14.5
	0.8	15.0 to 20.5
	0.6	21.0 to 34.0
	0.4	34.5 & over
1000	1.0	6.0 to 21.5
	0.8	22.0 to 31.5
	0.6	32.0 & over

FATHOMETER CORRECTIONS

All fathometer corrections were computed at the Norfolk Processing Office.

Bar checks taken on 27 & 28 August and on 5 September were meaned and the corrections applied to A, B, C, D & E days. The bar check taken on 13 October indicated a definite temperature change so this check was used to compute corrections for F day only.

Settlement and squat corrections were determined for Ship STIRNI on survey H-7750. These corrections were applied on all days and a copy is being made a part of this report.

BAR CHECK CORRECTIONS

A, B, C, D & E DAYS

<u>A SCALE</u>		<u>B SCALE</u>	
0.0'	----- 15.0' to 20.0'	-1.0'	----- to 70'
-0.2'	to 40.0'	-1.2'	to End
-0.4'	to End		

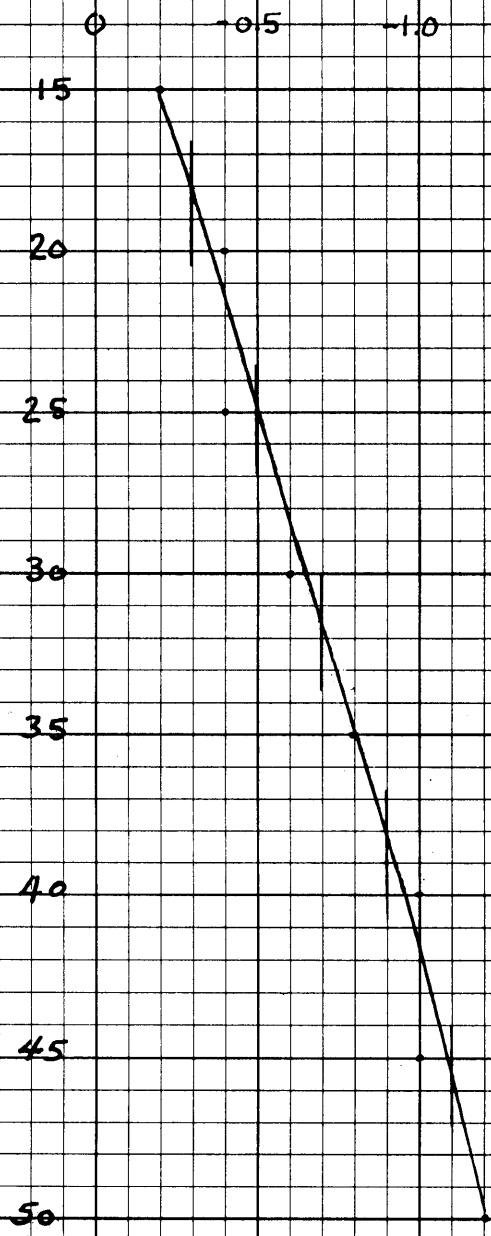
F DAY

<u>A SCALE</u>		<u>B SCALE</u>	
-0.2'	----- 15.0' to 18.0'	-1.0'	-----to 57.0'
-0.4'	to 25.0'	-1.2'	to 63.0'
-0.6'	to 31.5'	-1.4'	to End
-0.8'	to 38.0'		
-1.0'	to 45.5'		
-1.2'	to End		

Bar check for 13 Oct. 1951

A-Scale

Corrections for "F" clay only.

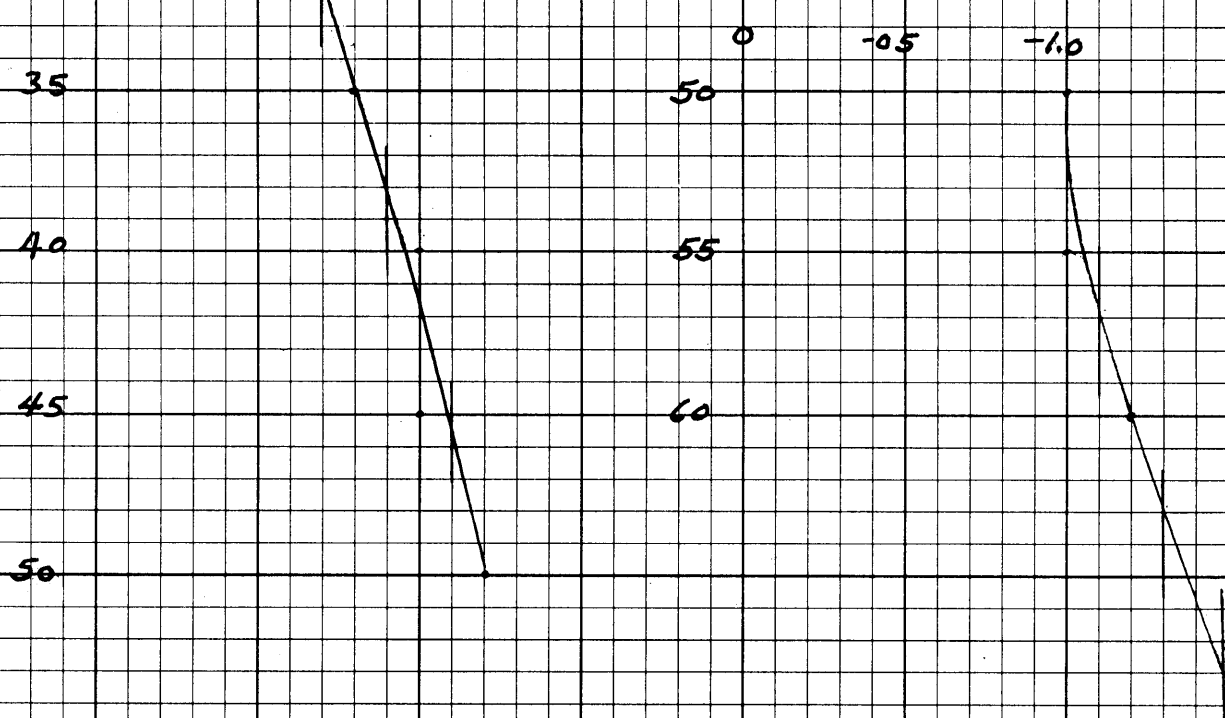


A-Scale -

-0.2	15.0	To	18.0	✓
-0.4		To	25.0	✓
-0.6		To	31.5	✓
-0.8		To	38.0	✓
-1.0		To	45.5	✓
-1.2		To	END	✓

B-Scale

-1.0	50.0	To	57.0	✓
-1.2		To	63.0	✓
-1.4		To	END	✓



Checked by H. L. P.
 ✓ by AGH

Average of bar checks for 27 Aug - 28 Aug - 5 Sept. 1951

A - scale

0 -0.5 -1.0

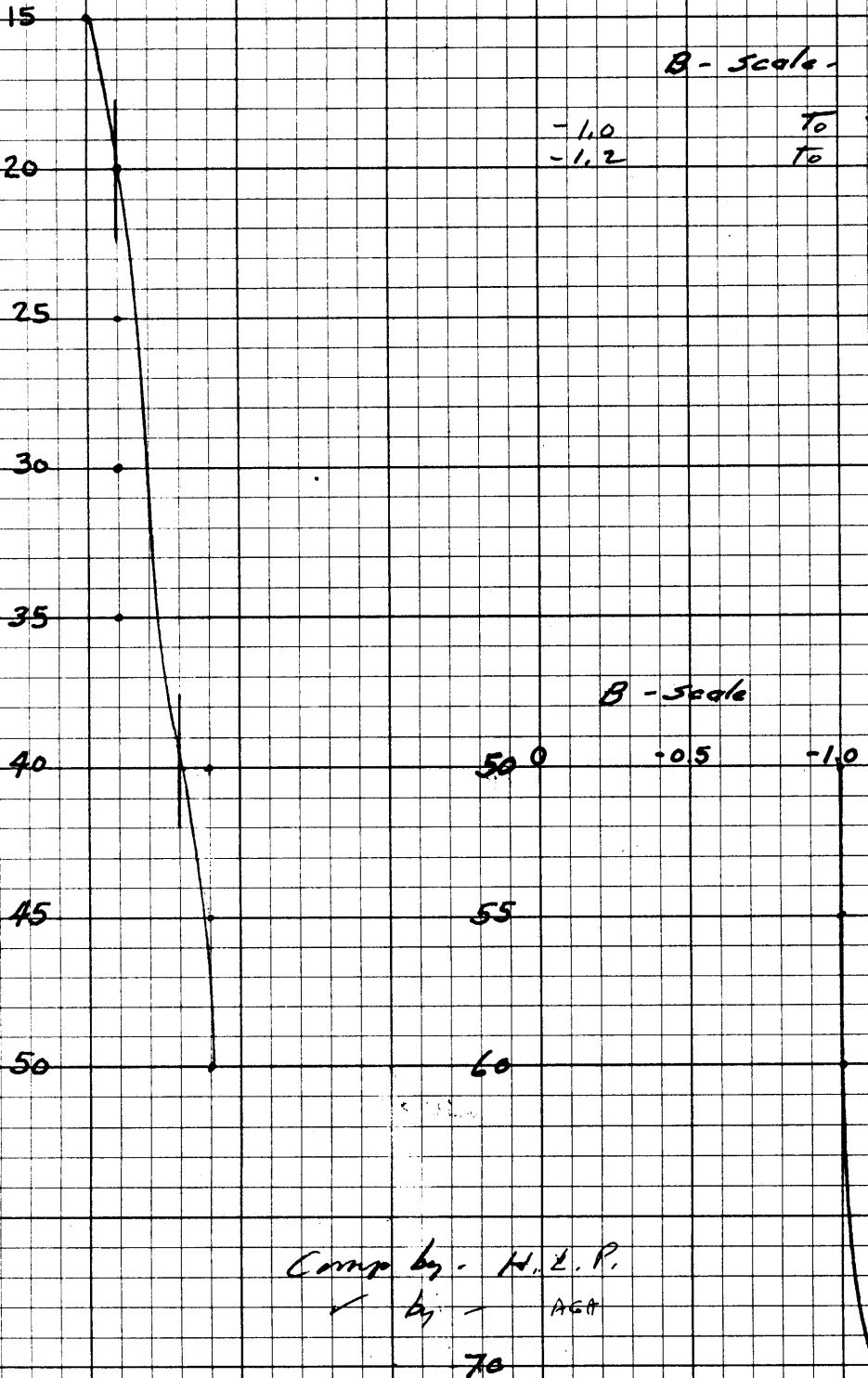
Corrections for A Thru E days

A - scale

0.0 - 15.0 To 20.0 ✓
 -0.2 - To 40.0 ✓
 -0.4 - To END - ✓

B - scale -

-1.0 To 70.0 ✓
 -1.2 To END - ✓



Comp by - H. L. P.

✓ by - AGA

70

LIST OF SIGNALS
H-7947

TRIANGULATION STATIONS

FIRE ISLAND LIGHTHOUSE, 1865-1932 ✓

SALTAIRE TANK, 1933 ✓

LIFE, 1933 ✓

JONES BEACH, WATER TOWER, 1933 — 1mm. off by proj. plot. ✓

JONES BEACH, WEST POINTED TOWER, 1933 — " do " ✓

LIDO, WEST TWIN TOWER, 1933 - T-5614 ✓

} too far NW

* NAUT (ATLANTIC BEACH, CASA DEL MAR, CUPOIA, 1931-34

* (Falls off limits of sheet) ✓

MARKED TOPOGRAPHIC STATIONS

ARD (WATCHTOWER, 1949)

T-9300 ✓

FIRE ISLAND, BREAKWATER LIGHT, 1950

T-9300 ✓

OAK (EAST TOWER, 1949)

T-9300 ✓

CUP (LOOKOUT TOWER, SHORT BEACH C.G. STA., 1947) T-5613 ✓

TOPOGRAPHIC FEATURES

Bath T-9300 ✓

Tob T-5612

Bay T-5612 ✓

(checks with H-7870; only source to check by: no 524 Cord) (not indicated on T-5612)

from air-photo (no 524 Cord)

RANGE MARKERS

Rit (11R) — (located by BEB)

positions not verified.

HYDROGRAPHIC SIGNALS

Dog ✓ (See body of Descr. Report)

NOTE: Traverse marks are shown on the smooth sheet by red triangles.
Range markers " " " " " " " " circles.

(1954)

(See D.R. for sheet H-7870, for data on above marks)

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

Ship STIRNI

POST-OFFICE ADDRESS:

602 Federal Office Building,
90 Church Street, New York 7, N. Y.

TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

20 February 1952

To: Supervisor, Southeastern District
U. S. Coast and Geodetic Survey
418 Post Office Building
Norfolk, Virginia

Subject: Beach Erosion Board Survey H-7947

Reference: Your letter of 5 February 1952

A transcript of the angles used to locate Hydrographic Stations DOG and JUT, and a list of stations on which these angles were observed is forwarded with this letter.

Included also are the Geographic Positions for the Triangulation Stations used and the Descriptive Report for this Project. Since not all Geographic Positions were contained in the STIRNI'S files, only those available are being sent.

The Air Photo Compilations used are being sent under separate cover.

The Geographic Positions and Air Photo Compilations will be called for upon the STIRNI'S return to Norfolk.

Your attention is called to the fact that the cuts involved (and all are necessary for DOG and JUT) extend from the vicinity of Coney Island to Jones Beach Water Tower. It is suggested that you use Chart 1215 for reference purposes in planning the projections necessary for this plotting.



F. B. Quinn
Commander, USCGS
Commanding Ship STIRNI

Processing Office Note: Signal DOG was determined by plotting the triangulation stations on the smooth sheet temporarily so that NAUT would fall on the sheet. After the sextant angles had been plotted signal DOG was transposed to it's proper geographical position.

Cuts to Locate Signal Dog at Long Beach, Long Island

26C) STIR-2251
 NAUT 13-31 ✓✓
 LIDO ✓
 JONES 130-99 ✓
 LIDO-DOG 63-56 ✓✓

27C) STIR-2251
 NAUT 13-51 ✓
 LIDO ✓
 JONES 130-16 ✓
 LIDO-DOG 64-02 ✓✓

28C) STIR-2251
 NAUT 13-13 ✓
 LIDO ✓
 JONES 122-16 ✓
 LIDO-DOG 44-44 ✓

29C) STIR-2251
 NAUT 11-06 ✓
 LIDO ✓
 JONES 109-26 ✓
 LIDO-DOG 27-11 ✓✓

30C) STIR-2251
 NAUT 09-48 ✓
 LIDO ✓
 JONES 101-90 ✓
 LIDO-DOG 21-30 ✓✓

9D) STIR-2251
 HOW 59-00
 DUD
 JUT 46-52
 DUD-DOG 41-31

10D) STIR-2251
 NAUT 47-46
 HOLD
 JUT 44-12
 HOLD-DOG 37-43

11D) STIR-2251
 NAUT 44-35
 HOLD
 JUT 49-33
 HOLD-DOG 41-52

12D) STIR-2251
 NAUT 48-22
 HOT
 JUT 46-15
 HOT-DOG 36-47

13D) STIR-2251
 NAUT 4208
 HOT
 JUT 49-31
 HGT-DOG 38-22

NAUT (Cupola On Pent Ho. "Casa Del Mar, 1931) ✓
 LIDO, West Twin Tower, 1933 ✓
 JONES Beach Water Tower, 1933 ✓

Cuts to Locate Signal HOW Long Beach, Long Island *Not used in H-7947.*

1B) STIR-2151
 NORTH 19-33
 GRA
 PUB 21-39
 GRA-HOW 25-14

2B) STIR-2151
 TALL 42-24
 GRA
 PUB 32-56
 GRA-HOW 38-00

3B) STIR-2151
 SOUTH 30-27
 GRA
 PUB 46-11
 GRA-HOW 52-35

4B) STIR-2151
 EAST 14-30
 GRA
 PUB 41-14
 GRA-HOW 48-51

12A) STIR-2251
 WOOD 13-28
 NAUT
 WAT 73-18
 HOW-NAUT 50-12

14A) STIR-2251
 WOOD 37-22
 NAUT
 HOLD 15-15
 HOW-NAUT 70-11

15A) STIR-2251
 WOOD 35-22
 NAUT
 HOLD 12-25
 HOW-NAUT 62-36

10) STIR-2251
 WOOD 21-16
 NAUT
 HOLD 20-02
 HOW-NAUT 37-46

19C) STIR-2251
 NAUT 36-01
 DUD
 LIDO 27-40
 HOW-DUD 47-19

(CONTINUED)

STATISTICS
H-7947

<u>DATE</u>	<u>DAY LETTER</u>	<u>VOL. NO.</u>	<u>STAT. MI. SD'GS.</u>	<u>NO. POS.</u>
1951 8/27	A	1	33.2	81
8/28	B	1	57.4	112
8/29	C	2	42.9	100
9/5	D	2&3	67.4	144
9/6	E	3	47.2	71
10/13	F	4	<u>24.1</u>	<u>54</u>
		TOTALS	<u>272.2</u>	<u>562</u>

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

AND REFER TO NO. 36-rcb

16 January 1952

To: Supervisor, Southeastern District
U. S. Coast and Geodetic Survey
Room 418, U. S. Post Office Building
Norfolk 10, Virginia

Subject: Tide Records, New York

Enclosed for the periods requested in your letter of 14 January 1952 are hourly heights for the reduction of soundings in the area off Long Island between Fire Island Inlet and Jones Inlet. These heights are based on observed tides at Sandy Hook and can be used as tide reducers without further modification, necessary allowances having been made for time and range differences.

Tide reducers for survey H-7870 (1950) were based on gage records for Point Lookout but no information has been received of gage operation at this station in 1951. However the enclosed reducers are comparable with the 1950 reducers in that they are based on actual time and range differences obtained through the Point Lookout observations.


Acting Director

Enclosure

TIDES: HOURLY HEIGHTS

Station: Long Island (Fire I. Inlet to Jones Inlet), N.Y. Year: 1951

Observer: _____ Lat. _____ Long. _____

Time Meridian: _____ Height datum is mean low water which is _____ ft. below B. M.

16-47802-1 U. S. GOVERNMENT PRINTING OFFICE

Month and Day	mo.	d.	d.	d.	d.	d.	d.	Horizontal Sum					
Day of Series	* 60°W.		60°W.		60°W.		60°W.		60°W.		75°W.		
Hour	Feet		Feet		Feet		Feet		Feet		Feet		Feet
0	.		.		.		.		.		.		.
1	.		.		.		.		.		.		.
2	.		.		.		.		.		.		.
3	.		.		.		.		.		.		.
4	.		.		.		.		.		.		.
5	.		.		.		.		.		.		.
6	.		.		.		.		.		.		.
7	.		.		.		.		.		.		.
8	2.0		2.4		2.8		3.4		2.8		3.6		.
9	1.5		1.7		2.2		4.2		3.8		2.5		.
10	1.2		1.3		1.6		4.8		4.6		1.4		.
11	1.2		1.2		1.2		5.0		5.2		0.5		.
Noon	1.7		1.3		0.9		4.5		5.0		-0.1		.
13	2.5		1.8		1.0		3.5		4.4		0.4		.
14	3.3		2.6		1.6		2.4		3.4		1.4		.
15	3.8		3.4		2.6		1.4		2.4		2.6		.
16	4.1		3.8		3.5		0.7		1.5		3.8		.
17	4.0		4.1		4.1		0.5		0.8		4.7		.
18	.		.		4.4		1.0		.		.		.
19	.		.		.		.		.		.		.
20	.		.		.		.		.		.		.
21	.		.		.		.		.		.		.
22	.		.		.		.		.		.		.
23	.		.		.		.		.		.		.
Sum	.		.		.		.		.		.		.

Sum for _____ = _____ Divisor = (28d) 672; (29d) 696; (30d) 720; (31d) 744. Mean for month = _____

Tabulated by _____ Date _____ Summed by _____ Date _____

TIDES: HOURLY HEIGHTS

Station: _____ Year: _____
 Observer: _____ Lat. _____ Long. _____
 Time Meridian: _____ Height datum is _____ which is _____ ft. below B. M. _____

16-47802-1 U. S. GOVERNMENT PRINTING OFFICE

Month and Day	mo.		d.		d.		d.		d.		d.		Horizontal Sum
	Day of Series	Hour	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
		0	.	.	.	.	.	.	.	.	.	.	.
		1	.	.	.	.	.	.	.	.	.	.	.
		2	.	.	.	.	.	.	.	.	.	.	.
		3	.	.	.	.	.	.	.	.	.	.	.
		4	.	.	.	.	.	.	.	.	.	.	.
		5	.	.	.	.	.	.	.	.	.	.	.
		6	.	.	.	.	.	.	.	.	.	.	.
		7	.	.	.	.	.	.	.	.	.	.	.
		8	.	.	.	.	.	.	.	.	.	.	.
		9	.	.	.	.	.	.	.	.	.	.	.
		10	.	.	.	.	.	.	.	.	.	.	.
		11	.	.	.	.	.	.	.	.	.	.	.
		Noon	.	.	.	.	.	.	.	.	.	.	.
		13	.	.	.	.	.	.	.	.	.	.	.
		14	.	.	.	.	.	.	.	.	.	.	.
		15	.	.	.	.	.	.	.	.	.	.	.
		16	.	.	.	.	.	.	.	.	.	.	.
		17	.	.	.	.	.	.	.	.	.	.	.
		18	.	.	.	.	.	.	.	.	.	.	.
		19	.	.	.	.	.	.	.	.	.	.	.
		20	.	.	.	.	.	.	.	.	.	.	.
		21	.	.	.	.	.	.	.	.	.	.	.
		22	.	.	.	.	.	.	.	.	.	.	.
		23	.	.	.	.	.	.	.	.	.	.	.
		Sum	.	.	.	.	.	.	.	.	.	.	.

Sum for _____ = _____ Divisor = (28d) 672; (29d) 696; (30d) 720; (31d) 744. Mean for month = _____

Tabulated by _____ Date _____ Summed by _____ Date _____

ADDENDUM
To Accompany

HYDROGRAPHIC SURVEY H-7947

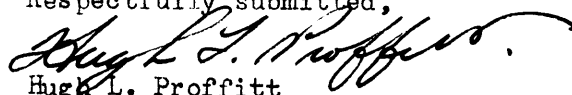
FATHOGRAMS

Due to the unusual method used in the Field of marking the individual soundings with the fix marker, it was necessary to record the soundings in separate volumes in order to avoid congestion in the original records and yet retain the original scanning as done in the Field. This method of marking the soundings complicated the scanning process and made it especially difficult to detect errors in time.

*See
Pg 6&C
of Review*

All irregularities in the fathogram trace were meant as wave action in compliance with the oral directions of the Officer-in-charge.

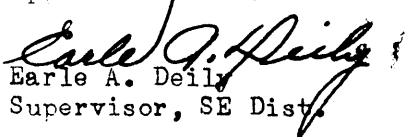
Respectfully submitted,



Hugh L. Proffitt
Cartographer.

Norfolk, Va.
7 Mar. 1952

Approved & Forwarded:



Earle A. Deily
Supervisor, SE Dist.

RHC

TIDE NOTE FOR HYDROGRAPHIC SHEET

~~DIVISION OF HYDROGRAPHY AND TOPOGRAPHY~~

1 April 1952

Division of Charts: R. H. Carstens

Plane of reference approved in 7
volumes of sounding records for

HYDROGRAPHIC SHEET 7947

Locality Jones Inlet to Fire Island Inlet, Long Island

Chief of Party: F. B. Quinn in 1951
Plane of reference is mean low water, reading
2.0 ft. on tide staff at Sandy Hook
9.3 ft. below B. M. 2 (1923)

Height of mean high water above plane of reference is 3.6 feet.

Condition of records satisfactory except as noted below:

E.C. McKay
Section
Chief, ~~Division of Tides and Currents~~

GEOGRAPHIC NAMES

Survey No. H-7947

Name on Survey											
	A	B	C	D	E	F	G	H	K		
<u>New York</u>											1
<u>Long Island</u>											2
<u>Jones Inlet</u>											3
<u>Fire Island Inlet</u>											4
											5
											6
											7
											8
											9
											10
<u>Point Lookout</u>											11
											12
											13
											14
											15
											16
											17
											18
											19
											20
											21
											22
											23
											24
											25
											26
											27

Names underlined in red are approved.
J-31-52
L. Heck

(location of tide gage)

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. H-7947....

Records accompanying survey:

3 duplicates
 Boat sheets .4...; sounding vols. 4.....; wire drag vols.;
 bomb vols.; graphic recorder rolls 6 Env.;
 special reports, etc. .1 Smooth Sheet; 1 Descriptive Report;.....

The following statistics will be submitted with the cartographer's report on the sheet:

Number of positions on sheet	.....	562
Number of positions checked	.....	293
Number of positions revised	.....	49*
Number of soundings revised (refers to depth only)	.....	68 ⁸⁵ *
Number of soundings erroneously spaced	.....	276+
Number of signals erroneously plotted or transferred	.....	0
Topographic details	Time	7 hrs.
Junctions	Time	9½ hrs.
Verification of soundings from graphic record	Time	6 hrs.

Verification by *Admiral J. Thompson*..... Total time [#] 115 hrs Date 25 July '52

Reviewed by *Isadore M. Jeskud*..... Time 16 Date 9-9-52

* 19 changed; 30 in error \pm , not changed
 * ~~24~~ rescanned; 4 merely miscopied
 + 22 bad; 254 respaced as result of revision of positions
 † includes: 7½ hrs transferring & drafting polyconic projection

Sturmi - 3 hrs

DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REGISTRY NO. H-7947

FIELD NO. -----

REVIEW OF HYDROGRAPHY SURVEY

New York, South Shore Long Island, Jones Inlet to Fire
Island Inlet

Project No. CS-337

Surveyed in June - October 1951

Scale 1:20,000

Soundings:

Control:

808 Fathometer

Ranges and Sextant Fixes on
Shore Signals

Chief of Party - F. B. Quinn
Surveyed by - F. B. Quinn
Protracted by - W. F. Jones
Soundings plotted by - B. T. Lewis
Verified and inked by - G. J. Thompson
Reviewed by - I. M. Zeskind, 9 September 1952
Inspected by - R. H. Carstens

1. Purpose and Scope

This is a special survey for the Beach Erosion Board. Its purpose was to obtain profiles between the 30- and 60-ft. curves offshore between Jones Inlet and Fire Island Inlet. The development of all bottom features within the area covered by the present survey was not attempted.

2. Shoreline and Control

The shoreline originates with air-photographic surveys T-5621 (1947), T-5613 (1947) and T-9300 (1950). No contemporary topographic surveys by this Bureau showing shoreline on the ocean side east of Fire Island Inlet are available at this time.

The source of the control is given in the Descriptive Report.

3. Depth Curves and Bottom Configuration

Determination of the 30- and 60-ft. curves is considered adequate.

The bottom is fairly smooth, except for broad undulations beyond 50-ft. depths.

4. Junctions with Contemporary Surveys

Junctional soundings from the present survey have been applied to adjoining survey H-7843 (1950) and H-7800 (1950) in the vicinity of Jones Inlet and Fire Island Inlet respectively, and are in adequate agreement with depths on these surveys.

5. Comparison with Prior Surveys

a. The present survey falls within the limits of H-7870 (1950). Prior surveys of the area between 1835-1936 have been compared with and considered in the review of H-7870. Further consideration of these prior surveys in the present review is deemed unnecessary.

b. H-7870 (1950)

A comparison between H-7870 and the present survey shows only minor differences of 1-2 ft. in depths, except in lat. $40^{\circ} 33.12'$, long. $73^{\circ} 26.62'$, where a prior depth of 62 ft. falls in present depths of 58-59 ft.

The present survey should supplement H-7870 for charting purposes.

6. Comparison with Chart 578 (latest print date 7/21/52)
Chart 519 (latest print date 7/23/51)
Chart 1215 (latest print date 8/11/52)

A. Hydrography

The charted hydrography originates principally with the previously discussed prior surveys which need no further consideration.

The present survey should supplement the charted information.

B. Aids to Navigation

The charted floating aids to navigation were not located on the present survey.

The fixed aids to navigation are in substantial agreement with their charted positions and adequately mark the features intended.

7. Condition of Survey

- a. The Descriptive Report is complete.
- b. Positions and 10-second sounding intervals were each marked on the fathograms by a single trace from the fix marker. Because of faulty identification of the position marks and discrepancies between recorded and fathometer time, the soundings were rescanned in the Processing Office and recorded in a separate set of volumes.
- c. The smooth plotting was adequately done.

8. Compliance with Project Instructions

The survey adequately complies with the Project Instructions.

9. Additional Field Work Recommended

As noted in paragraph 1 above, complete development of the area covered by the present survey was not attempted. This special survey adequately serves the purpose intended and no additional field work is required.



H. R. Edmonston

Chief, Nautical Chart Branch



L. S. Hubbard

Chief, Section of Hydrography

Examined and approved:



H. Arnold Karo

Chief, Division of Charts



Earl O. Heaton

Chief, Division of Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. H-7947

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
4/2/52	1108	<i>Evans</i>	<div style="display: flex; align-items: center;"> <div style="font-size: 3em; margin-right: 5px;">}</div> <div> <p>Before After Verification and Review <i>examined for critical errors</i></p> <p><i>only - no corr'n made at this time.</i></p> </div> </div>
	<i>Extensive Cov.</i>		
2 Dec '52	579	<i>Mac Ewen</i>	<p>Before After Verification and Review</p> <p><i>Reconst.</i></p>
3-10-53	578	<i>J. H. Eaton</i>	<p>Before After Verification and Review</p> <p><i>no correction necessary. Consider as completely approved.</i></p>
7/16/54	1214	<i>J. Walker</i>	<p>Before After Verification and Review</p> <p><i>Completely applied - no question</i></p>
4-26-55	1215	<i>R. K. de Lander</i>	<p>Before After Verification and Review</p>
Aug 55	1000 1000L	<i>Tickets</i>	<p>Before After Verification and Review</p> <p><i>Fully applied - no corr.</i></p>
8-28-58	1108	<i>Dinsmore</i>	<p>Before After Verification and Review</p> <p><i>Completely applied, - no corr.</i></p> <p>Before After Verification and Review</p>
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A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.