

7820

Mag. Cht. Nos. 526, 1002, 1114

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey HYDROGRAPHIC

Field No. HY-10345 Office No. H-7820

LOCALITY

State FLORIDA

General locality EASTERN GULF OF MEXICO

Locality WEST OF TAMPA BAY

1945

CHIEF OF PARTY

JANUARY 26, 1953

LIBRARY & ARCHIVES

DATE

7820

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-7820

Field No. HY-10848

State FLORIDA

General locality Eastern Gulf of Mexico

Locality West of Tampa Bay Entrance

Scale 1:100,000 Date of survey 7/20/50 thru 12/14/50

Instructions dated 9/26/46; Supplemental 7/9/47, 10/6/48, 3/15/49, 7/17/50, 9/1/50

Vessel HYDROGRAPHER

Chief of party George L. Anderson

Surveyed by Officers attached to ship during 1950 field season

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

Fathograms scaled by Various personnel under officer supervision

Fathograms checked by Various personnel under officer supervision

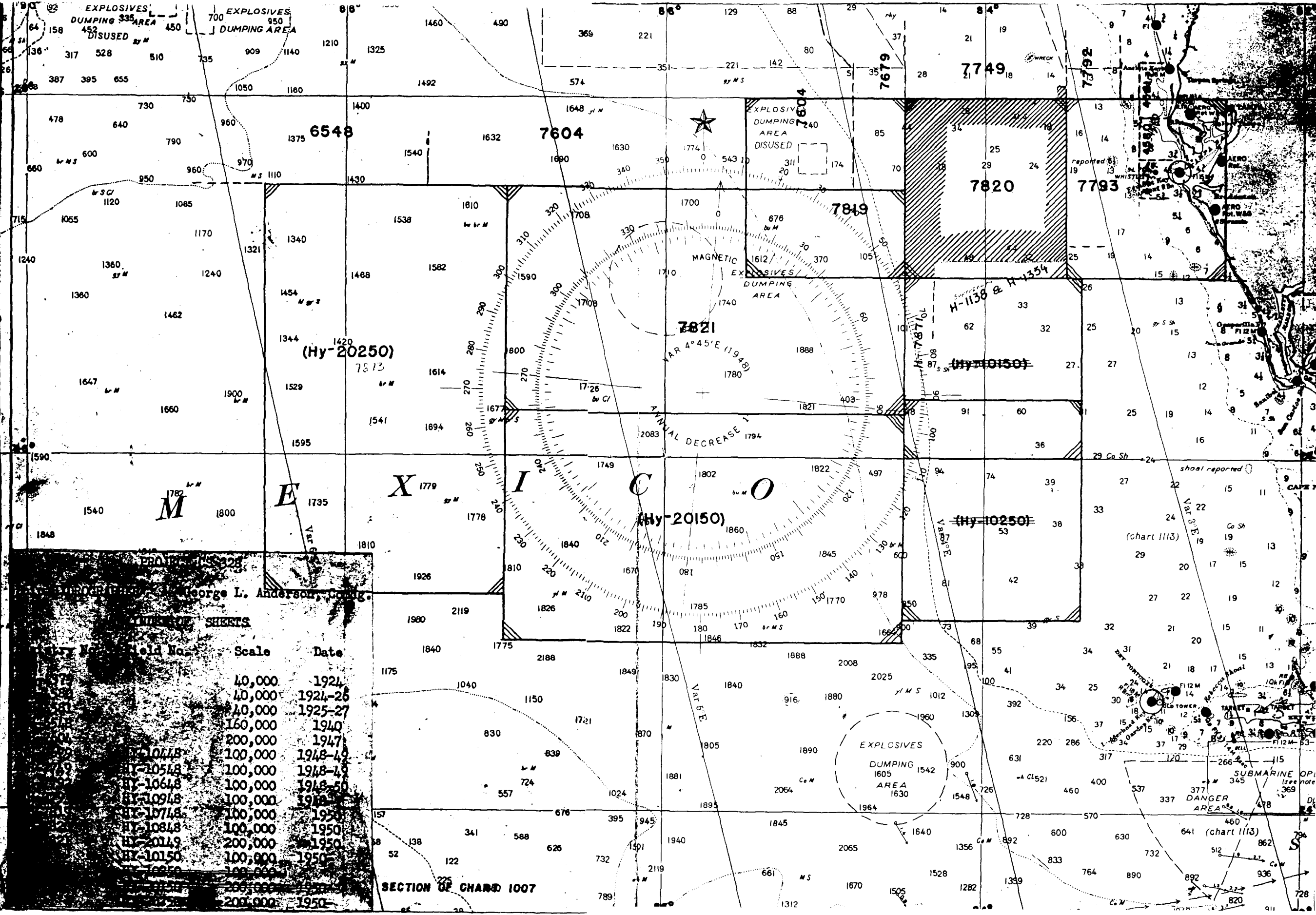
Protracted by Clarence R. Lehman

Soundings penciled by Clarence R. Lehman

Soundings in fathoms ^{and tenths} ~~XXX~~ at MLW ~~XXXX~~

REMARKS: Offshore survey - Control by EPI system

705



EXPLOSIVES DUMPING AREA DISUSED 335

EXPLOSIVES DUMPING AREA 700

EXPLOSIVES DUMPING AREA DISUSED

MAGNETIC EXPLLOSIVES DUMPING AREA

EXPLOSIVES DUMPING AREA 1605 1542 1630

George L. Anderson, Comdg.

LIST OF SHEETS

Sheet No.	Field No.	Scale	Date
10118		40,000	1924
10118		40,000	1924-25
10118		40,000	1925-27
10118		160,000	1940
10118		200,000	1947
10118		100,000	1948-49
10118		100,000	1948-49
10118		100,000	1948-50
10118		100,000	1948
10118		100,000	1950
10118		100,000	1950
10118		200,000	1950
10118		100,000	1950
10118		200,000	1950
10118		200,000	1950

SECTION OF CHART 1007

DESCRIPTIVE REPORT

To Accompany

HYDROGRAPHIC SURVEY H-7820 (HY-10848)

20 July - 14 December 1950

Ship HYDROGRAPHER

Scale 1:100,000

Chief of Party
George L. Anderson

A. PROJECT

This survey was made under Instructions from the Director to the Commanding Officer, Ship HYDROGRAPHER, for Project CS-328 and are dated 26 September 1946; amended by Supplemental Instructions dated 9 July 1947, 6 October 1948, 15 March 1949, 17 July 1950, and 1 September 1950.

B. SURVEY LIMITS AND DATES

This survey is offshore from and west of the entrance to Tampa Bay Florida. An index of adjacent hydrographic sheets is attached. Starting on the north and proceeding thru the east, south and west to the point of beginning this survey joins:

1. Survey H-7749, Scale 1:100,000, surveyed during 1948-49-50 -
2. Survey H-7792, Scale 1:100,000, surveyed during ¹⁹⁴⁸⁻¹⁹⁴⁹⁻1948-49-50 1950 -
3. Survey H-7793, Scale 1:100,000, surveyed during 1948-49-50 -
4. Survey H-1138, Scale 1:600,000, surveyed during 1872
5. Survey H-1354, Scale 1:600,000, surveyed during 1875-76
6. Survey H-7871, Scale 1:100,000, surveyed during 1950 -
7. Survey H-7821, Scale 1:200,000, surveyed during 1950 -
8. Survey H-7819, Scale 1:100,000, surveyed during 1950 -
9. Survey H-7679, Scale 1:100,000, surveyed during 1948-49
" H-8014 " 1:100,000 " " 1952-53
" H 8013, " 1:100,000, " " 1952-53-54

B. (Cont.)

Junctions along the southwestern, western, northern and most of the eastern edges of this survey are with contemporary surveys. The fourth and fifth listed surveys are old reconnaissance surveys and few soundings were taken.

Modern surveys will be made along the south and southeast limits of this survey at a later date.

The field work on this survey was started on 20 July 1950 and was completed on 14 December 1950. It was one of many made with the ship based at St. Petersburg, Florida. Due to the necessity for EPI tests at frequent intervals at known points (EPI test buoys), because of weather, attempts to reduce the runs to and from port to a minimum and related factors the planning of the work to be accomplished necessarily took in the entire project instead of concentrating on any one sheet. The concentration of lines in the vicinity of the test buoys resulted from the frequent EPI tests. Part of the hydrography on this survey was accomplished on the runs to and from the outer limits of the project.

C. VESSEL AND EQUIPMENT

All work on this survey was accomplished by the Ship HYDROGRAPHER. No subparties were operated from the ship on this survey.

The Ship HYDROGRAPHER has a turning radius of 80 to 120 meters depending on the wind and/or current.

Two 808 type depth recorders were used as sounding units on this survey. The installation of these units was such that either could be used at will and both are considered regular units and neither a standby. The soundings are in fathoms and tenths, the fathograms being scaled to the nearest 2/10th of a fathom.

Comparisons of fath. sdgs

Frequent simultaneous ~~with~~ wire soundings were made to obtain corrections and to assure the correct operation of the depth recorders at all times.

C. (cont.)

The gyroscope compass was used at all times while this survey was in progress. Bearings were taken when proceeding in and out of port and sun azimuths on the working grounds to check on the operation of the compass. The error was found to be negligible.

D. TIDE AND CURRENT STATIONS

No tide or current stations were occupied within the limits of hydrography on this survey.

The observed tides at the Tampa Bay, Florida, Primary Tide Station located at Saint Petersburg, Florida were used for the reduction of soundings. (See Tidal Note for additional information).

E. SMOOTH SHEET

The smooth sheet is being processed by the Norfolk Processing Office.

F. CONTROL STATIONS

The hydrography on this survey was controlled by two EPI shore stations, Station EPICC at Cedar Keys and Station EPID at Venice. These stations were located by subparties working from the Ship HYDROGRAPHER by inspection of and/or short traverse on planimetric maps of the areas.

Station	Latitude	Longitude
EPICC - Cedar Keys	29° 07' 48".0 (1478 m.)	83° 03' 07".7 (207 m.)
EPID - Venice	27 04 53.4 (1643 m.)	82 26 47.7 (1314 m.)

The length of base line between EPICC and EPID is 145.8 statute miles. The least angle of intersection on this survey between any pair of arcs is approximately 60 degrees.

For control used in the location of fixed buoys off Tampa Bay Entrance refer to the applicable reports as listed under paragraph Z.

G. SHORELINE AND TOPOGRAPHY

This is an off shore survey and no shore line or topography is shown on this sheet.

H. SOUNDINGS

Sounding corrections for velocity of sound and instrumental errors were controlled by adequate serial temperature and salinity observations and by frequent simultaneous comparisons using sounding machine No. 141 with stranded wire over calibrated sheaves. Refer to the applicable reports for detailed discussion of correctors used.

All soundings on the sheet were taken with 808 J type depth recorders Nos. 131 SG and 132 SG. The effective length of the stylus arm for these machines was determined and checked and the speed of the machines was checked against the fathogram as described in paragraph 5554 of the Hydrographic Manual. Frequent additional checks were made during the season to assure the continued correct operation of the instruments. The speed of the machines was also checked frequently by counting the number of turns of the stylus arm with the middle reed vibrating at its maximum amplitude.

There were times when the governor on these machines failed to function properly. This accounts for a large displacement of the true sounding on numerous occasions. Notes have been made on the fathogram and also in the records (prior to the installation of the new method of recording) when this happened. These soundings should not be used unless proper correctors are applied.

The method of recording was modified upon Instructions from the Director. Please refer to the Director's letter dated 22 August 1950-reference 22/MEK, S-1-HY; memorandums from the Chief, Division of Charts to the Assistant Chief, Division of Coastal Surveys dated 7 August 1950 and "Explanatory Notes - Use of Fathogram Scanner and Graphic Reducers" for the outline of the methods to follow and the aims to be accomplished by the use of this modified method. Copies of this correspondence are attached to the Report for Survey H-7793. ^(1948, 49-50) A detailed description of the steps taken to put this system into effect is given in the Report "Method of Recording Hydrographic Data".

H. (Cont.)

T day (14 September 1950) was the last day that the conventional system of recording EPI controlled hydrographic data was used on this survey. Beginning with position 1 U (18 September 1950) the soundings on this survey were recorded as described in paragraph 817 of the Hydrographic Manual. This system was modified to the extent that a two minute sounding interval was used and the soundings recorded in every other column - the intermediate columns being used to record the extra soundings as needed. As an added check against the loss of the control data as recorded on the EPI plotting abstracts, the recorder entered all control data on the right hand page of the records.

The fathograms have the following notations made on them:

- (a) Fix marks, fix numbers and phase settings.
- (b) The velocity template to be used is noted at the beginning of each fathogram and at each change of velocity.
- (c) Whenever a change occurs in the algebraic sum of all correctors (except velocity) the new corrector is entered at the bottom of the fathogram on the proper time ordinate.

An abstract of the computations of these correctors is a part of this report.

In computing the correctors for use with the templates on the 808 graphs a mean draft setting of 2 fathoms is used. The correctors as shown on the bottom of the 808 fathograms should be set off from ~~this value~~ ^{at 808} when sounding on the fathom scales. In computing the correctors for use on the foot scales a mean draft of 12 feet was used. This value is to be used when setting the templates on the foot scales. On the NMC-1 machine the initial setting of the red light and the initial setting of the chart were set together. The initial reading on the red light was set at zero fathoms. The correctors for use with the templates for the NMC-1 fathometer were computed taking this setting into account. The correctors as shown on the bottom of the NMC-1 fathograms should be set from the initial as drawn on this graph; the printed scale, including the zero line should be ignored completely.

For 808
Fath. set
template
from 0 of
graph.

H. (Cont.)

Summaries of all applicable reducers are attached to this report.

I. CONTROL OF HYDROGRAPHY

All hydrography on this survey was controlled by the EPI system using Stations EPICC and EPID. The EPI arcs were drawn in the Washington Office. Special test buoys were planted near shore and on the working grounds to obtain corrections to the EPI distances received during hydrographic operations. For the explanation of the use of these buoys and the correctors derived see the applicable reports

After the new system of recording was installed on U day the EPI plotting abstract became the record for all plotting data. The value of the final EPI corrections for reducing the observed EPI distances to the correct distances have been entered in red at the top of the columns for recording the microsecond distances on these abstracts. The preliminary correctors (field values for plotting the boat sheet) have been crossed out with the red pencil. The correct values for the reduced distances have been entered in red after applying the final correctors. When a change in the correctors occurs the old and the new values with proper notes are entered in the remarks column.

The observed EPI distances have been entered at the top of the horizontal space. This enables the entering of the corrected distance opposite the time the fix was taken which is the recorded value on the bottom of the horizontal spaces and under the time column. Except at the beginning or the end of lines the EPI fixes were observed at ten minute intervals (ie., 0000, 0010, 0020, 0030, etc.). In some instances this interval was reduced to five minutes. Other recorded times are to indicate when changes of course, speed and other items that affect the plotting took place.

J. ADEQUACY OF SURVEY

This survey is complete and adequate to supersede prior surveys for charting except as noted in this paragraph and under paragraph L & M below. All junctions with contemporary adjoining surveys are

J. (Cont.)

satisfactory, no holidays or excessive differences exist. All depth curves can be drawn at the junctions with the other surveys except as noted in paragraph L & M.

Depth curves were drawn as the survey progressed. The curves were inked on the boat sheet as shown by the schedule.

Your attention is invited to the following:

1. Latitude $27^{\circ} 38' 2''$ - Longitude $83^{\circ} 48' 3''$

Apparent sounding of 23 fathoms at 63 V plus 1 minute.

This area developed between positions 8 - 17 DA with negative results. This sounding should not be charted.

✓
stray-sdg.
not plotted

2. Latitude $27^{\circ} 14' 2''$ - Longitude $83^{\circ} 35' 0''$

Apparent sounding of 25 fathoms at 54 VA plus 8 minutes.

This area developed between positions 29 - 32 CB with negative results. This sounding should not be charted.

✓
stray-sdg.
not plotted

A search for Wreck 626 was made between positions 1 - 27 CC. This work was plotted on this boat sheet. An overlay and an addenda to the report for Survey H-7749 was prepared and submitted to the Norfolk Processing Office together with all pertinent data on 15 January 1951.

area plotted
on H-7749
(1949). Also
see TPN of H-7749

K. CROSSLINES

Approximately 9% of the hydrography is crosslines. Part of the hydrography on this survey was accomplished on the runs to and from the outer limits of the project. No excessive discrepancies were noted on the boat sheet.

L. COMPARISON WITH PRIOR SURVEYS

M. COMPARISON WITH EXISTING CHARTS

Satisfactory junctions were obtained with the surveys listed in paragraph B above. This survey supersedes in part the following surveys:

L & M (Cont.)

1. Survey H-1138, Scale 1:600,000, surveyed during 1872
2. Survey H-1354, Scale 1:600,000, surveyed during 1875-76
3. Survey H-3670, Scale 1:200,000, surveyed during 1914

See #5 and
6 of Review.

These surveys are the source of the hydrography shown in the area covered by this survey on the following charts:

1. Chart 1007, print date 3 March 1950
2. Chart 1113, print date 20 March 1950
3. Chart 1114, print date 15 August 1949

The soundings from the older surveys listed above and shown on the charts also listed above are generally shoaler than those obtained on this new survey. The methods of obtaining positions and the methods used in sounding are superior to that used on the older surveys. It is recommended that this survey supersede all the older surveys in the area covered by the hydrography on this survey.

N. DANGERS AND SHOALS

No dangers or shoals were found within the limits of this survey.

P. AIDS TO NAVIGATION

No aids to navigation are located within the limits of this survey.

Z. TABULATION OF APPLICABLE DATA

The data listed below was forwarded to the Washington Office as indicated:

Z. (Cont.)

Date	Data
3/18/49	Location data for Station EPICC
5/18/50	Report on Calibration of Registering Sheaves
11/1/50	Report of Settlement and Squat Tests
1/6/51	Methods of Recording Hydrographic Data
1/9/51	Season's Report for 1950
1/15/51	EPI Correctors for 1950
1/17/51	Report on Velocity Corrections for 1950 (Filed with H-7871)
1/18/51	Report on Initial and Instrumental Corrections for 1950 (Filed with H-7871)

} Special Reports.

The sounding volumes, fathograms, boat sheet, and related material will be forwarded to the Officer in Charge, Norfolk Processing Office as the work on processing these records is completed.

| Survey processed by Seattle Proc. office.

J. E. Waugh
J. E. Waugh
LCdr, USC&GS

APPROVAL SHEET

The field work accomplished on this survey was under the immediate supervision of Commander George L. Anderson. He made daily inspections of the records, fathograms and boat sheet as the survey progressed. He was detached after the 1950 field season and prior to the completion of this report.

The records and boat sheet as submitted to the Norfolk Processing Office have been reviewed and approved by Commander Anderson.



Jack C. Sammons
Commander, USC&GS
Commanding Officer
Ship HYDROGRAPHER

9112

Ship HYDROGRAPHER
St. Petersburg, Florida

15 March

51

The Supervisor, Southeastern District, Room 418 Post Office Building, Norfolk 10
XXXXXXXXXXXXX Virginia

Jack C. Sammons, Comdr.,

- Project CS 328

registered mail

12 - 15 March 1951

Records for Survey H-7820

- Pkg. No. 60 - - - Envelopes 1 thru 16
Fathograms A thru EB
- Pkg. No. 61 - - - Sounding Volumes 1 thru 14 incl.
- Pkg. No. 62 - - - Boat Sheet
Overlay
- Pkg. No. 63 - - - 1 cahier - Descriptive Report (in duplicate)
1 cahier - EPI Plotting Abstracts

HY - 10848
B.S - 7820

H4 10150
B5 7871

Jack C. Sammons

COMPUTATION OF CORRECTORS

for

SURVEY H-7820 (10848)

Reducers entered to ± 0.1 fm.

Date	Time	Fath. No. Phase	Index	Draft	Instr.	Tide	Total Corrector	Remarks	
9/18/50	1900	132 B	0.0 fm.	-0.1 fm	-0.7 fm	-0.2 fm	-1.0 fm	1942 L. B 120 rpm	
	1942		-0.1	-0.1	-0.7	-0.2	-1.1	2023	
	2023	132 B	0.0	-0.1	-0.7	-0.2	-1.0	2028 ₁₀	
	2028 ₁₀	132 A	0.0	-0.1	0.0	-0.2	-0.3	2040	
	2040		-0.1	-0.1	0.0	-0.2	-0.4	2055	
	2055		-0.2	-0.1	0.0	-0.2	-0.5	2105	
	2105		0.0	-0.1	0.0	-0.2	-0.3	2210	
	2210	132 A	-0.1	-0.1	0.0	-0.2	-0.4	2226	
	2223	131 A	0.0	-0.1	-0.1	-0.2			
	2226		+0.2	-0.1	-0.1	-0.2	-0.2	2228	
	2228		0.0	-0.1	-0.1	-0.2	-0.4	2330	
	2230		-0.1	-0.1	-0.1	-0.2	-0.5	2350	
	2350		-0.2	-0.1	-0.1	-0.2	-0.6	2355	
	2355	131 A	0.0	-0.1	-0.1	-0.2	-0.4	0131	
	9/19/50	0131	131 A	0.0	-0.1	-0.1	-0.3	-0.5	0330
		0330		-0.1	-0.1	-0.1	-0.3	-0.6	0337
		0337	131 A	0.0	-0.1	-0.1	-0.3	-0.5	0403
		0403	131 B	0.0	-0.1	+0.4	-0.3	0.0	0429
		0429		+0.1	-0.1	+0.4	-0.3	+0.1	0519
		0455		+0.1	-0.1	+0.4	-0.3		
0519			0.0	-0.1	+0.4	-0.3	0.0	0547	
0543		131 B	0.0	-0.1	+0.4	-0.3			
0547		131 A	-0.1	-0.1	-0.1	-0.3	-0.6	0600	
0600		131 A	-0.2	-0.1	-0.1	-0.3	-0.7	0623	
0623			0.0	-0.1	-0.1	-0.3	-0.5	0631	
0631			0.0	-0.1	-0.1	-0.2	-0.4	0730	
0730			-0.1	-0.1	-0.1	-0.2	-0.5	0756	
0756			-0.1	-0.1	-0.1	-0.1	-0.4	0807	
0807			0.0	-0.1	-0.1	-0.1	-0.3	0850	
0850			-0.1	-0.1	-0.1	-0.1	-0.4	0911	
0911			-0.1	-0.1	-0.1	+0.0	-0.3	0952	
0952			0.0	-0.1	-0.1	0.0	-0.2	1031	
1031		131 A	0.0	-0.1	-0.1	+0.1	-0.1	1330	
1330		131 B	0.0	-0.1	+0.4	+0.1	+0.4	1352	
1352		-0.1	-0.1	+0.4	+0.1	+0.3	1432		
1432		-0.2	-0.1	+0.4	+0.1	+0.2	1452		
1452	131 B	-0.2	-0.1	+0.4	+0.1				
1453	131 A	-0.2	-0.1	-0.1	+0.1	-0.1	1531		
1531		0.0	-0.1	-0.1	0.0	-0.2	1610		
1610	131 A	-0.1	-0.1	-0.1	0.0	-0.3	1640		

COMPUTATION OF CORRECTORS
for
SURVEY H-7820 (10848)

Date	Time	Fath. No. Phase	No.	Index	Draft	Instr.	Tide	Total Corrector	Remarks		
9/19/50	1640	131	A	-0.2 fm	-0.1 fm	-0.1 fm	0.0 fm	-0.4 fm	1701 120 rpm		
	1701			0.0	-0.1	-0.1	0.0	0.2	1751		
	1751			±0.0	-0.1	-0.1	-0.1	-0.3	1800		
	1800			-0.1	-0.1	-0.1	-0.1	-0.4	1810		
	1810			-0.2	-0.1	-0.1	-0.1	-0.5	1825		
	1825			0.0	-0.1	-0.1	-0.1	-0.3	1920		
	1920			-0.1	-0.1	-0.1	-0.1	-0.4	2000		
	2000			-0.2	-0.1	-0.1	-0.1	-0.5	2021		
	2021			0.0	-0.1	-0.1	-0.1	-0.3	2101		
	2101			0.0	-0.1	-0.1 ✓	-0.2	-0.4	2231		
	2231			131	B	0.0	-0.1	+0.4 ✓	-0.2	+0.1	2252
	2252					-0.1	-0.1	+0.4 ✓	-0.2	0.0	2314
	2314			131	B	0.0	-0.1	+0.4 ✓	-0.2	+0.1	0012
9/20/50	0012	131	A	0.0	-0.1	-0.1 ✓	-0.2	-0.4	0131		
	0131			0.0	-0.1	-0.1	-0.3	-0.5	0310		
	0310			-0.1	-0.1	-0.1	-0.3	-0.6	0320		
	0320			0.0	-0.1	-0.1	-0.3	-0.5	0334		
	0334			-0.1	-0.1	-0.1	-0.3	-0.6	0340		
	0340			0.0	-0.1	-0.1	-0.3	-0.5	0431		
	0431			0.0	-0.1	-0.1	-0.4	-0.6	0440		
	0440			-0.1	-0.1	-0.1	-0.4	-0.7	0600		
	0500			-0.1	-0.1	-0.1	-0.4		L.E.		
	0600			0.0	-0.1	-0.1	-0.4	-0.6	0620 L.B. 120 rpm		
	0620			0.0	-0.1	-0.1 ✓	-0.4		L.E.		
9/25/50	1814	132	A	0.0	-0.1	+0.1 ✓	0.0	0.0 to 1856 L.B. 120 rpm			
	1856	131	A	0.0	-0.1	-0.1 ✓	0.0	-0.2	1920		
	1920			-0.1	-0.1	-0.1	0.0	-0.3	1930		
	1930			-0.2	-0.1	-0.1	0.0	-0.4	1935		
	1935			0.0	-0.1	-0.1	0.0	-0.2	2031		
	2031			0.0	-0.1	-0.1	-0.1	-0.3	2120		
	2120			-0.1	-0.1	-0.1	-0.1	-0.4	2129		
	2129			0.0	-0.1	-0.1	-0.1	-0.3	2211		
	2211			0.0	-0.1	-0.1	-0.2	-0.4	2240		
	2240			-0.1	-0.1	-0.1	-0.2	-0.5	2250		
	2250			131	A	-0.1	-0.1	-0.1 ✓	-0.2		L.E.
9/28/50	1304	132	A	0.0	-0.1	+0.1 ✓	-0.3	-0.3	1450 L.B. 120 rpm		
	1450	132	A	-0.1	-0.1	+0.1 ✓	-0.3	-0.4	1517		

COMPUTATION OF CORRECTORS
for
SURVEY H-7820 (10848)

Date	Time	Fath. No.	Phase	Index	Draft	Instr.	Tide	Total Corrector	Remarks
9/28/50	1517	132	A	0.0 fm	-0.1 fm	+0.1 fm	-0.3 fm	fm.	
	1650			-0.1	-0.1	+0.1	-0.3	-0.3	1650 120 rpm
	1701			-0.1	-0.1	+0.1	-0.2	-0.4	1701
	1727	132	A	0.0	-0.1	+0.1	-0.2	-0.3	1727
	1752 30	132	B	0.0	-0.1	-0.3	-0.2	-0.2	1752 30
	1931	132	A	0.0	-0.1	+0.1	-0.2	-0.6	1931
	2031			0.0	-0.1	+0.1	-0.3	-0.2	2031
	2211			0.0	-0.1	+0.1	-0.4	-0.3	2211
	2400			0.0	-0.1	+0.1	-0.4	-0.4	2400
9/29/50	0000	132	A	0.0	-0.1	+0.1	-0.4	-0.4	0000 L.B. 120 rpm
	0028			-0.1	-0.1	+0.1	-0.4	-0.5	0028
	0030	131	A	0.0	-0.1	-0.1	-0.4	-0.6	0030
	0100			-0.1	-0.1	-0.1	-0.4	-0.7	0100
	0120			-0.2	-0.1	-0.1	-0.4	-0.8	0120
	0127			0.0	-0.1	-0.1	-0.4	-0.6	0127
	0220			-0.1	-0.1	-0.1	-0.4	-0.7	0220
	0241			-0.1	-0.1	-0.1	-0.3	-0.6	0241
	0250			-0.2	-0.1	-0.1	-0.3	-0.7	0250
	0327			0.0	-0.1	-0.1	-0.3	-0.5	0327
	0331			0.0	-0.1	-0.1	-0.2	-0.4	0331
	0410			-0.1	-0.1	-0.1	-0.2	-0.5	0410
	0432			0.0	-0.1	-0.1	-0.2	-0.4	0432
	0511			0.0	-0.1	-0.1	-0.1	-0.3	0511
	0550			-0.1	-0.1	-0.1	-0.1	-0.4	0550
	0607			0.0	-0.1	-0.1	-0.1	0.3	0607
	0631			0.0	-0.1	-0.1	0.0	-0.2	0631
	0710			-0.1	-0.1	-0.1	0.0	-0.3	0710
	0740			-0.2	-0.1	-0.1	0.0	-0.4	0740
	0752			0.0	-0.1	-0.1	0.0	-0.2	0752
	0831			0.0	-0.1	-0.1	-0.1	-0.3	0831 L.E.
	0902			0.0	-0.1	-0.1	-0.1	-0.3	0902 L.B. 120 rpm
	1031			0.0	-0.1	-0.1	-0.2	-0.4	1031
	1151	131	A	0.0	-0.1	-0.1	-0.3	-0.5	1151
	1326	132	A	0.0	-0.1	+0.1	-0.3	-0.3	1326
	1334			-0.2	-0.1	+0.1	-0.3	-0.5	1334
	1343	132	A	0.0	-0.1	+0.1	-0.3	-0.3	1343
	1348	132	B	0.0	-0.1	-0.3	-0.3	-0.7	1348
	1432			0.0	-0.1	-0.3	-0.3		1432 L.E.
	1550	132	B	0.0	-0.1	-0.3	-0.3	-0.7	1550 L.B. 120 rpm
				✓	✓	✓	✓	✓	

COMPUTATION OF CORRECTORS
for
SURVEY H-7820 (10848)

Date	Time	Fath. No.	Phase	Index	Draft	Instr.	Tide	Total Corrector	Remarks
9/29/50	1623	132	B	-0.1 fm.	-0.1 fm	-0.3 fm	-0.3 fm	fm. -0.8 to 1651	120 rpm
	1651			-0.1	-0.1	-0.3	-0.2	-0.7	1701
	1701	132	A	+0.0	-0.1	+0.1	-0.2	-0.2	1830
	1830			-0.1	-0.1	+0.1	-0.2	-0.3	1923
	1923			0.0	-0.1	+0.1	-0.2	-0.2	2031
	2031			0.0	-0.1	+0.1	-0.3	-0.3	2215
	2215			0.0	-0.1	+0.1	-0.4	-0.4	2400
	2400	132	A	0.0	-0.1	+0.1	-0.4		I.E.
9/30/50	0000	132	A	0.0	-0.1	+0.1	-0.4	-0.4	0050 I.B. 120 rpm
	0050			-0.1	-0.1	+0.1	-0.4	-0.5	0140
	0140			-0.2	-0.1	+0.1	-0.4	-0.6	0157
	0157			0.0	-0.1	+0.1	-0.4	-0.4	0206
	0206			0.0	-0.1	+0.1	-0.3	-0.3	0211
	0210	132	A	0.0	-0.1	+0.1	-0.3		
	0211	131	A	-0.1	-0.1	-0.1	-0.3	-0.6	0240
	0240			-0.2	-0.1	-0.1	-0.3	-0.7	0253
	0253			0.0	-0.1	-0.1	-0.3	-0.5	0320
	0320			-0.1	-0.1	-0.1	-0.3	-0.6	0340
	0340			-0.2	-0.1	-0.1	-0.3	-0.7	0356
	0356			-0.2	-0.1	-0.1	-0.2	-0.6	0407
	0407			0.0	-0.1	-0.1	-0.2	-0.4	0442
	0440	131	A	0.0	-0.1	-0.1	-0.2		middle read off
	0442	132	A	0.0	-0.1	+0.1	-0.2	-0.2	0505
	0505			0.0	-0.1	+0.1	-0.1	-0.1	0550
0550			0.0	-0.1	+0.1			L.E.	
10/4/50	1640	132	A	0.0	0.0	+0.1	-0.2	-0.1	1710 I.B. 120 rpm
	1710			-0.1	0.0	+0.1	-0.2	-0.2	1718
	1718			0.0	0.0	+0.1	-0.2	-0.1	1900
	1900			-0.1	0.0	+0.1	-0.2	-0.2	1916
	1916			0.0	0.0	+0.1	-0.2	-0.1	1931
	1931			0.0	0.0	+0.1	-0.3	-0.2	2030
	2030			-0.1	0.0	+0.1	-0.3	-0.3	2200
	2200	132	A	-0.2	0.0	+0.1	-0.3	-0.4	2228
	2228	131	A	0.0	0.0	-0.1	-0.3	-0.4	2300
	2300			-0.1	0.0	-0.1	-0.3	-0.5	2310
	2310			-0.2	0.0	-0.1	-0.3	-0.6	2319
	2319	131	B	0.0	0.0	+0.4	-0.3	+0.1	2337
	2337	131	B	-0.1	0.0	+0.4	-0.3	0.0	2400

COMPUTATION OF CORRECTORS
for
SURVEY H-7820 (10848)

Date	Time	Fath. Phase	No.	Index	Draft	Instr.	Tide	Total Corrector	Remarks
10/4/50	2400	131	B	-0.1 fm	0.0 fm	+0.4 fm	-0.3 fm		
10/5/50	0000	131	B	-0.1	0.0	+0.4	-0.3	0.0 to 0013	L.B. 120 rpm
	0013			-0.2	0.0	+0.4	-0.3	-0.1 0032	
	0032			0.0	0.0	+0.4	-0.3	+0.1 0102	
	0102	131	B	-0.1	0.0	+0.4	-0.3	0.0 0131	
	0131	131	A	0.0	0.0	-0.1	-0.3	-0.4 0310	
	0310			-0.1	0.0	-0.1	-0.3	-0.5 0347	
	0347			0.0	0.0	-0.1	-0.3	-0.4 0412	
	0412	131	B	0.0	0.0	+0.4	-0.3	+0.1 0438	
	0431			0.0	0.0	+0.4	-0.3		
	0438			-0.1	0.0	+0.4	-0.3	0.0 0452	
	0452			-0.2	0.0	+0.4	-0.3	-0.1 0507	
	0507			-0.3	0.0	+0.4	-0.3	-0.2 0514	
	0514	131	B	0.0	0.0	+0.4	-0.3	+0.1 0615	
	0615	131	A	0.0	0.0	-0.1	-0.3	-0.4 0639	
	0639	131	B	0.0	0.0	+0.4	-0.3	+0.1 0720	
	0720	131	B	0.0	0.0	+0.4	-0.3		L.E.
	0830	131	B	0.0	0.0	+0.4	-0.2	+2.0 0928	L.B. 120 rpm
	0928	132	B	0.0	0.0	-0.3	-0.2	-0.5 0931	
	0931			0.0	0.0	-0.3	-0.1	-0.4 0938	
	0938			-0.1	0.0	-0.3	-0.1	-0.5 0958	
	0958			-0.2	0.0	-0.3	-0.1	-0.6 1008	
	1008	132	B	0.0	0.0	-0.3	-0.1	-0.4 1012	
	1012	132	A	0.0	0.0	+0.1	-0.1	0.0 1030	
	1030			-0.1	0.0	+0.1	-0.1	-0.1 1101	
	1050	132	A	-0.1	0.0	+0.1	-0.1		L.E.
	1101						0.0		
	1110	132	A	0.0	0.0	+0.1	0.0	+0.1 to 1140	L.B. 120 rpm
	1140			-0.1	0.0	+0.1	0.0	0.0 1155	
	1155			-0.1	0.0	+0.1	0.0		L.E.
	1234			0.0	0.0	+0.1	0.0	+0.1 1320	L.B. 120 rpm
	1320			-0.1	0.0	+0.1	0.0	0.0 1335	
	1335			0.0	0.0	+0.1	0.0	+0.1 1430	
	1430			-0.1	0.0	+0.1	0.0	0.0 1515	
	1515			0.0	0.0	+0.1	0.0	+0.1 1631	
	1631			0.0	0.0	+0.1	-0.1	0.0 1700	
	1700			-0.1	0.0	+0.1	-0.1	-0.1 1706	
	1706			0.0	0.0	+0.1	-0.1	0.0 1831	
	1831			-0.0	0.0	+0.1	-0.2	-0.1 2030	
	2030	132	A	-0.1	0.0	+0.1	-0.2	-0.2 2150	

COMPUTATION OF CORRECTORS
for
SURVEY H-7820 (10848)

Date	Time	Fath. Phase	No.	Index	Draft	Instr.	Tide	Total Corrector	Remarks
10/5/50	2150	132	A	-0.2 fm	0.0 fm	+0.1 fm	-0.2 fm	fm -0.3 to 2241	120 rpm
	2241			0.0	0.0	+0.1	-0.2	-0.1 2340	
	2340			-0.1	0.0	+0.1	-0.2	-0.2 2400	
	2400	132	A	-0.1	0.0	+0.1	-0.2		L.E.
10/6/50	0000	132	A	-0.1	-0.1	+0.1	-0.2	-0.3 0020	L.B. 120 rpm
	0020			-0.2	-0.1	+0.1		-0.4 0057	
	0057			0.0	-0.1	+0.1	-0.2	-0.2 0531	
	0531	132	A	0.0	-0.1	+0.1	-0.3	-0.3 0758	
	0758	131	A	0.0	-0.1	-0.1	-0.3	-0.5 0806	
	0806			0.0	-0.1	-0.1	-0.2	-0.4 0811	
	0811	132	A	0.0	-0.1	+0.1	-0.2	-0.2 0930	
	0930			-0.1	-0.1	+0.1	-0.2	-0.3 1006	
	1006			-0.1	-0.1	+0.1	-0.1	-0.2 1013	
	1013			0.0	-0.1	+0.1	-0.1	-0.1 1115	
	1115			0.0	-0.1	+0.1	-0.1	-0.1 1129	
	1129	132	B	0.0	-0.1	-0.3	-0.1	-0.6 1146	
	1146			0.0	-0.1	-0.3	0.0	-0.4 1350	
	1220	131	C	0.0	-0.1	-0.3	0.0		L.E.
10/8/50	1350	131	C	-0.2	-0.1	+2.4	-0.1	+2.0 1403	L.B. 120 rpm
	1403			0.0	-0.1	+2.4	-0.1	+2.2 1415	
	1415			-0.1	-0.1	+2.4	-0.1	+2.1 1439	
	1439			-0.2	-0.1	+2.4	-0.1	+2.0 1503	
	1503			-0.3	-0.1	+2.4	-0.1	+1.9 1527	
	1527			-0.4	-0.1	+2.4	-0.1	+1.8 1537	
	1537			-0.4	-0.1	+2.4	-0.1	+2.0 1538	
	1538	131	B	0.0	-0.1	+0.4	-0.1	+0.2 1753	
	1646			0.0	-0.1	+0.4	-0.1		
	1753			-0.1	-0.1	+0.4	-0.1	+0.1 1816	
	1816			-0.1	-0.1	+0.4	-0.2	0.0 1850	
	1850	131	B	-0.1	-0.1	+0.4	-0.2		L.E.
	1931						-0.3		
	2000	131	B	0.0	-0.1	+0.4	-0.3	0.0 -2008	L.B. 120 rpm
	2008			-0.1	-0.1	+0.4	-0.3	-0.1 2022	
	2022			-0.2	-0.1	+0.4	-0.3	-0.2 2031	
	2031	131	A	0.0	-0.1	-0.1	-0.3	-0.5 2100	
	2100			0.0	-0.1	-0.1	-0.3		L.E.
2126	131	A	-0.1	-0.1	-0.1	-0.3	-0.6 2156	L.B. 120 rpm	
2156			-0.1	-0.1	-0.1	-0.4	-0.7 2211		

COMPUTATIONS OF CORRECTORS
for
SURVEY H-7820 (10848)

Date	Time	Fath.No. Phase	Index	Draft	Instr.	Tide	Total Corrector	Remarks
10/8/50	2211	131 A	0.0 fm	-0.1 fm	-0.1 fm	-0.4 fm	-0.6	2212 120 rpm
	2212	131 B	0.0	-0.1	+0.4	-0.4	-0.1	2311
	2257		0.0	-0.1	+0.4	-0.4		
	2311		0.0	-0.1	+0.4	-0.3	0.0	2322
	2322		-0.1	-0.1	+0.4	-0.3	-0.1	2400
	2400		-0.1	-0.1	+0.4	-0.3		
10/9/50	0000		-0.1	-0.1	+0.4	-0.3	-0.1	0009 120 rpm
	0009		-0.2	-0.1	+0.4	-0.3	-0.2	0035
	0035		0.0	-0.1	+0.4	-0.3	0.0	0054
	0054	132 B	0.0	-0.1	-0.3	-0.3	-0.7	0114
	0114	132 C	0.0	-0.1	+1.3	-0.3	+0.9	0131
	0131		0.0	-0.1	+1.3	-0.2	+1.0	0142
	0142	131 C	0.0	-0.1	+1.3 +2.4	-0.2	+2.1	0230
	0230		0.0	-0.1	+2.4	-0.2		
						H.L.P. data not available to check -		L.E.
10/12/50	0908	132 C	0.0	-0.2	+1.3	-0.1	+1.0	0914 L.B. 120 rpm
	0914		-0.1	-0.2	+1.3	-0.1	+0.9	0916
	0916		-0.1	-0.2	+1.3	-0.2	+0.8	1009
	1009		-0.2	-0.2	+1.3	-0.2	+0.7	1031
	1031		-0.2	-0.2	+1.3	-0.3	+0.6	1036
	1036		-0.2	-0.2	+1.3	-0.3		L.E.
	1220		0.0	-0.2	+1.3	-0.3	+0.8	1239 L.B. 120 rpm
	1239	132 B	0.0	-0.2	-0.3	-0.3	-0.8	1406
	1331		0.0	-0.2	-0.3	-0.3		
	1406		+0.1	-0.2	-0.3	-0.3	-0.7	1451
	1436		0.0	-0.2	-0.3	-0.2		
	1451		-0.1	-0.2	-0.3	-0.2	-0.8	1504
	1504	131 A	0.0	-0.2	-0.1	-0.2	-0.5	1518
	1518	132 A	+0.3	-0.2	+0.1	-0.2	0.0	1521
	1521		0.0	-0.2	+0.1	-0.2	-0.3	1743
	1743	131 A	0.0	-0.2	-0.1	-0.2	-0.5	1820
	1820		-0.1	-0.2	-0.1	-0.2	-0.6	1829
	1829		0.0	-0.2	-0.1	-0.2	-0.5	1931
	1931		0.0	-0.2	-0.1	-0.3	-0.6	2000
	2000		-0.1	-0.2	-0.1	-0.3	-0.7	2020
	2020		-0.2	-0.2	-0.1	-0.3	-0.8	2030
	2030		-0.2	-0.2	-0.1	-0.3		L.E.
	2105					-0.4		
	2110	131 A	0.0	-0.2	-0.1	-0.4	-0.7	2130 L.B. 120 rpm

COMPUTATION OF CORRECTORS
for
SURVEY H-7820 (10848)

Date	Time	Fath.No. Phase	Index	Draft	Instr.	Tide	Total Corrector	Remarks
10/12/50	2130	131 A	-0.1 fm	-0.2 fm	-0.1 fm	-0.4 fm	-0.8 to 2207	120 rpm
	2207		0.0	-0.2	-0.1	-0.4	-0.7 2310	
	2310		-0.1	-0.2	-0.1	-0.4	-0.8 2335	
	2335		0.0	-0.2	-0.1	-0.4	-0.7 2400	
	2400		0.0	-0.2	-0.1	-0.4		
10/13/50	0000	131 A	0.0	-0.2	-0.1	-0.4	-0.7 0020	120 rpm
	0020		-0.1	-0.2	-0.1	-0.4	-0.8 0117	
	0117		0.0	-0.2	-0.1	-0.3	-0.6 0231	
	0231		0.0	-0.2	-0.1	-0.2	-0.5 0240	
	0240	131 B	0.0	-0.2	+0.4	-0.2	0.0 0301	
	0301		-0.1	-0.2	+0.4	-0.2	-0.1 0322	
	0322	131 A	-0.1	-0.2	-0.1	-0.2	-0.6 0325	
	0325		0.0	-0.2	-0.1	-0.2	-0.5 0346	
	0346		0.0	-0.2	-0.1	-0.1	-0.4 0412	
	0412	132 A	0.0	-0.2	+0.1	-0.1	-0.2 0506	
	0506		0.0	-0.2	+0.1	0.0	-0.1 0631	
	0631		0.0	-0.2	+0.1	+0.1	0.0 0800	
	0800		0.0	-0.2	+0.1	+0.1		L.E.
10/24/50	1710	132 A	-0.1	0.0	+0.1	-0.1	-0.1 1711	L.B. 120 rpm
	1711		0.0	0.0	+0.1	-0.1	0.0 1730	
	1730		-0.1	0.0	+0.1	-0.1	-0.1 1821	
	1821		-0.1	0.0	+0.1	-0.2	-0.2 1845	
	1845		-0.1	0.0	+0.1	-0.2		L.E.
	1930		0.0	0.0	+0.1	-0.2	-0.1 2011	L.B. 120 rpm
	2000		0.0	0.0	+0.1	-0.2		L.E.
	2011		0.0	0.0	+0.1	-0.3	-0.2 2038	
	2038		+0.1	0.0	+0.1	-0.3	-0.1 2042	L.B. 120 rpm
	2040		+0.1	0.0	+0.1	-0.3		
	2042		0.0	0.0	+0.1	-0.3	-0.2 2110	
	2110		0.0	0.0	+0.1	-0.3		L.E.
	2200		0.0	0.0	+0.1	-0.3	-0.2 2320	L.B. 120 rpm
	2320		-0.1	0.0	+0.1	-0.3	-0.3 2354	
	2354		0.0	0.0	+0.1	-0.3	-0.2 2400	
2400		0.0	0.0	+0.1	-0.2	-0.1 0145		
10/25/50	0145		0.0	0.0	+0.1	-0.1	0.0 0230	
	0230	132 A	0.0	0.0	+0.1	-0.1	0.0 0232	
	0232	132 B	0.0	0.0	-0.3	-0.1	-0.4 0306	
	0306		0.0	0.0	-0.3	0.0	-0.3 0346	
	0310	132 B	0.0	0.0	-0.3	0.0		

W. C. ...

COMPUTATION OF CORRECTORS
for
SURVEY H-7820 (10848)

Sheet 9

Date	Time	Fath. No. Phase	Index	Draft	Instr.	Tide	Total Corrector	Remarks
10/25/50	0346	132 B	-0.1 fm.	0.0 fm.	-0.3 fm.	0.0 fm.	-0.4 fm.	0425 120 rpm
	0425		0.0	0.0	-0.3	0.0	-0.3	0435
	0435	132 B	-0.1	0.0	-0.3	0.0	-0.4	0450
	0450	132 C	0.0	0.0	+1.3	0.0	+1.3	0511
	0511		-0.1	0.0	+1.3	0.0	+1.2	0531
	0531	132 C	0.0	0.0	+1.3	0.0		L.E.
10/26/50	0430	132 C	-0.1	-0.1	+1.3	0.0	+1.1	0453 L.B. 120 rpm
	0453	132 B	-0.1	-0.1	-0.3	0.0	-0.5	0501
	0501		-0.1	-0.1	-0.3	+0.1	-0.4	0555
	0515		-0.1	-0.1	-0.3	+0.1		
	0555		-0.2	-0.1	-0.3	+0.1	-0.5	0617
	0617		0.0	-0.1	-0.3	+0.1	-0.3	0631
	0631		0.0	-0.1	-0.3	0.0	-0.4	0643
	0643		-0.1	-0.1	-0.3	0.0	-0.5	0734
	0734	132 B	-0.2	-0.1	-0.3	0.0	-0.6	0801
	0801	132 A	0.0	-0.1	+0.1	0.0	0.0	0811
	0811		0.0	-0.1	+0.1	-0.1	-0.1	0840
	0838	132 A	0.0	-0.1	+0.1	-0.1		
	0840	131 A	0.0	-0.1	-0.1	-0.1	-0.3	0900
	0900	131 A	-0.1	-0.1	-0.1	-0.1	-0.4	0917
	0917		0.0	-0.1	-0.1	-0.1	-0.3	0930
	0930		-0.1	-0.1	-0.1	-0.1	-0.4	0936
	0936		0.0	-0.1	-0.1	-0.1	-0.3	0946
	0946		-0.1	-0.1	-0.1	-0.2	-0.5	0952
	0952		0.0	-0.1	-0.1	-0.2	-0.4	1147
	1147		-0.1	-0.1	-0.1	-0.2	-0.5	1150
	1150	131 A	0.0	-0.1	-0.1	-0.2	-0.4	1150 L.E.
10/27/50	0340	132 A	0.0	-0.1	+0.1	-0.1	-0.1	0401 L.B. 120 rpm
	0401		0.0	-0.1	+0.1	0.0	0.0	0432
	0430		0.0	-0.1	+0.1	0.0		
	0432	131 A	0.0	-0.1	-0.1	0.0	-0.2	0510
	0510		-0.1	-0.1	-0.1	0.0	-0.3	0540
	0540		-0.2	-0.1	-0.1	0.0	-0.4	0548
	0548		0.0	-0.1	-0.1	0.0	-0.2	0630
	0630		-0.1	-0.1	-0.1	0.0	-0.3	0651
	0651		0.0	-0.1	-0.1	0.0	-0.2	0724
	0724		-0.1	-0.1	-0.1	0.0	-0.3	0810
	0740	131 A	-0.1	-0.1	-0.1	0.0		L.E.
	✓		✓	✓	✓	✓	✓	

COMPUTATION OF CORRECTORS
for
SURVEY H-7820 (10848)

Date	Time	Fath. Phase	No.	Index	Draft	Instr.	Tide	Total Corrector	Remarks
10/27/50	0810	132	B	0.0 fm	-0.1 fm	-0.3 fm	0.0 fm	-0.4 fm	0830 L.B. 130 rpm
	0830			-0.1	-0.1	-0.3	-0.1	-0.6	0908
	0908			-0.2	-0.1	-0.3	-0.1	-0.7	0927
	0927			0.0	-0.1	-0.3	-0.1	-0.5	1031
	0946			0.0	-0.1	-0.3	-0.1		
	1004			0.0	-0.1	-0.3	-0.1		
	1031			-0.1	-0.1	-0.3	-0.2	-0.7	1100
	1100	132	B	0.0	-0.1	-0.3	-0.2	-0.6	1111
	1111	132	C	0.0	-0.1	+1.3	-0.2	+1.0	1120
	1120			0.0	-0.1	+1.3	-0.2		L.E.
11/1/50	1330	132	C	0.0	-0.2	+1.3	-0.1	+1.0	1414 L.B. 130 rpm
	1414	132	B	0.0	-0.2	-0.3	-0.1	-0.6	1431
	1431			0.0	-0.2	-0.3	-0.2	-0.7	1459
	1459			-0.1	-0.2	-0.3	-0.2	-0.8	1545
	1545			0.0	-0.2	-0.3	-0.2	-0.7	1641
	1630			0.0	-0.2	-0.3	-0.2		
	1641	132	B	-0.1	-0.2	-0.3	-0.2	-0.8	1700
	1700	132	B	-0.2	-0.2	-0.3	-0.2	-0.9	1711
	1711	132	A	-0.2	-0.2	+0.1	-0.2	-0.5	1716
	1716	132	A	0.0	-0.2	+0.1	-0.2	-0.3	1731
	1731			0.0	-0.2	+0.1	-0.3	-0.4	1748
	1748	132	A	0.0	-0.2	+0.1	-0.3		
	1749	131	A	0.0	-0.2	-0.1	-0.3	-0.6	1857
	1857			-0.1	-0.2	-0.1	-0.3	-0.7	1800
	1800			-0.1	-0.2	-0.1	-0.3		L.E.
	1827			0.0	-0.2	-0.1	-0.3	-0.6	1920 L.B. 130 rpm
	1920			-0.1	-0.2	-0.1	-0.3	-0.7	1940
	1940			-0.2	-0.2	-0.1	-0.3	-0.8	1953
	1953			0.0	-0.2	-0.1	-0.3	-0.6	2320
	2100			0.0	-0.2	-0.1	-0.3		L.E.
2200			0.0	-0.2	-0.1	-0.3	-0.6	2320 L.B. 130 rpm	
2320			-0.1	-0.2	-0.1	-0.3	-0.7	2352	
2352	131	A	0.0	-0.2	-0.1	-0.3	-0.6	2400	
11/2/50	0000	131	A	0.0	-0.2	-0.1	-0.3	-0.6	0201
	0201	131	B	0.0	-0.2	+0.4	-0.3	-0.1	0252
	0252	131	A	0.0	-0.2	-0.1	-0.3	-0.6	0601
	0601			0.0	-0.2	-0.1	-0.2	-0.5	0710
	0710	131	A	0.0	-0.2	-0.1	-0.2		L.E.

COMPUTATION OF CORRECTORS
for
SURVEY H-7820 (10848)

Date	Time	Fath. Phase	No.	Index	Draft	Instr.	Tide	Total Corrector	Remarks
11/8/50	1640	132	A	0.0 fm	0.0 fm	+0.1 fm	-0.1 fm	fm	0.0 to 1650 L.B. 120 rpm
	1650			0.0	0.0	+0.1	-0.2	-0.1	1810
	1810			0.0	0.0	+0.1	-0.2		L.E.
	1838			0.0	0.0	+0.1	-0.2	-0.1	1900 L.B.
	1900			0.0	0.0	+0.1	-0.3	-0.2	2030
	2030			0.0	0.0	+0.1	-0.4	-0.3	2040
	2040			-0.1	0.0	+0.1	-0.4	-0.4	2111
	2111			-0.2	0.0	+0.1	-0.4	-0.5	2112
	2112			0.0	0.0	+0.1	-0.4	-0.3	2120
	2120	132	A	0.0	0.0	+0.1	-0.4		
	2121	131	A	0.0	0.0	-0.1	-0.4	-0.5	2136
	2136	131	B	0.0	0.0	+0.4	-0.4	0.0	2147
	2147			-0.1	0.0	+0.4	-0.4	-0.1	2212
	2212			-0.2	0.0	+0.4	-0.4	-0.2	2230
	2230			-0.2	0.0	+0.4	-0.3	-0.1	2236
	2236			-0.3	0.0	+0.4	-0.3	-0.2	2255
	2255			-0.4	0.0	+0.4	-0.3	-0.3	2334
	2334			-0.5	0.0	+0.4	-0.3	-0.4	2341
	2341			0.0	0.0	+0.4	-0.3	+0.1	2345
	2345			-0.1	0.0	+0.4	-0.3	0.0	2353
	2353			-0.2	0.0	+0.4	-0.3	-0.1	2354
	2354	131	B	-0.2	0.0	+0.4	-0.3		L.E.
11/9/50	1420	131	C	-0.1	0.0	+2.4	-0.2	+2.1 to 1427	L.B. 120 rpm
	1427	131	C	-0.2	0.0	+2.4	-0.2	+2.0	1437
	1437	131	B	0.0	0.0	+0.4	-0.2	+0.2	1636
	1522			0.0	0.0	+0.4	-0.2		
	1524	131	B	0.0	0.0	+0.4	-0.2		
	1636	131	A	0.0	0.0	-0.1	-0.2	-0.3	1730
	1730			-0.1	0.0	-0.1	-0.2	-0.4	1755 L.E.
	1755			0.0	0.0	-0.1	-0.2	-0.3	1830 L.B. 120 rpm
	1830			0.0	0.0	-0.1	-0.3	-0.4	2020
	2020			-0.1	0.0	-0.1	-0.4	-0.6	2046
	2046			0.0	0.0	-0.1	-0.4	-0.5	2142
	2142			0.0	0.0	-0.1	-0.4		L.E.
	2204			0.0	0.0	-0.1	-0.4	-0.5	2310 L.B. 120 rpm
	2310			-0.1	0.0	-0.1	-0.4	-0.6	2330
	2330			-0.2	0.0	-0.1	-0.3	-0.6	2336
	2336			0.0	0.0	-0.1	-0.3	-0.4	2400
	2400			0.0	0.0	-0.1	-0.3	-0.4	0040

COMPUTATION OF CORRECTORS
for
SURVEY H-7820 (10848)

Date	Time	Fath. No. Phase	Index	Draft	Instr.	Tide	Total Corrector	Remarks
11/10/50	0040	131 A	-0.1 fm	0.0 fm	-0.1 fm	-0.3 fm	-0.5 fm	0049 120 rpm
	0049		0.0	0.0	-0.1	-0.3	-0.4	0105
	0105		0.0	0.0	-0.1	-0.2	-0.3	0215
	0215		0.0	0.0	-0.1	-0.1	-0.2	0236
	0236	131 B	0.0	0.0	+0.4	-0.1	+0.3	0240
	0240		-0.1	0.0	+0.4	-0.1	+0.2	0303
	0303		0.0	0.0	+0.4	-0.1	+0.3	0317
	0317		-0.1	0.0	+0.4	-0.1	+0.2	0320
	0320		-0.1	0.0	+0.4	0.0	+0.3	0332
	0332	131 A	0.0	0.0	-0.1	0.0	-0.1	0430
	0430		0.0	0.0	-0.1	+0.1	0.0	0730
	0730		0.0	0.0	-0.1	0.0	-0.1	0830
	0830		-0.1	0.0	-0.1	0.0	-0.2	0845
	0845		0.0	0.0	-0.1	0.0	-0.1	0905
	0905		0.0	0.0	-0.1	-0.1	-0.2	0940
	0904		-0.1	0.0	-0.1	-0.1	-0.3	1010
	1010		-0.2	0.0	-0.1	-0.1	-0.4	1015
	1015		-0.3	0.0	-0.1	-0.1	-0.5	1020
	1020		-0.3	0.0	-0.1	-0.2	-0.6	1023
	1023	131 A	0.0	0.0	-0.1	-0.2	-0.3	1100
	1100	131 B	0.0	0.0	+0.4	-0.2	+0.2	1110
	1110		-0.1	0.0	+0.4	-0.2	+0.1	1126
	1126	131 B	-0.2	0.0	+0.4	-0.2	0.0	1139
	1139	131 A	0.0	0.0	-0.1	-0.2	-0.3	1232
	1232	131 A	0.0	0.0	-0.1	-0.2		
	1233	132 A	+0.2	0.0	+0.1	-0.2	+0.1	1235
	1235		0.0	0.0	+0.1	-0.2	-0.1	1320
	1320		0.0	0.0	+0.1	-0.2		L.E.
	1344		0.0	0.0	+0.1	-0.2	-0.1	1646 L.B. 120 rpm
	1646		0.0	0.0	+0.1	-0.2		L.E.
11/11/50	1034	132 A	0.0	0.0	+0.1	-0.1	0.0	1115 L.B. 120 rpm
	1115		0.0	0.0	+0.1	-0.2	-0.1	1120
	1120		-0.1	0.0	+0.1	-0.2	-0.2	1205
	1205		0.0	0.0	+0.1	-0.2	-0.1	1330
	1330		0.0	0.0	+0.1	-0.3	-0.2	1340
	1340		-0.1	0.0	+0.1	-0.3	-0.3	1356
	1356		0.0	0.0	+0.1	-0.3	-0.2	1520
	1520		-0.1	0.0	+0.1	-0.3	-0.3	1529
	1529		0.0	0.0	+0.1	-0.3	-0.2	1600

COMPUTATION OF CORRECTORS
for
SURVEY H-7820 (10848)

Date	Time	Fath. Phase	No.	Index	Draft	Instr.	Tide	Total Corrector	Remarks
11/11/50	1600	132	A	0.0 fm	-0.1 fm	+0.1 fm	-0.3 fm	fm -0.3 1800	120 rpm
	1800			0.0	-0.1	+0.1	-0.3		L.E.
11/14/50	2034	132	A	0.0	-0.1	+0.1	-0.2	-0.2 2042	L.B. 120 rpm
	2042	131	A	0.0	-0.1	-0.1	-0.2	-0.4 2120	
	2120			-0.1	-0.1	-0.1	-0.2	-0.5 2150	
	2150			-0.1	-0.1	-0.1	-0.3	-0.6 2202	
	2202			0.0	-0.1	-0.1	-0.3	-0.5 2310	
	2310			-0.1	-0.1	-0.1	-0.3	-0.6 2323	
	2323			0.0	-0.1	-0.1	-0.3	-0.5 0005 ⁴	
11/15/50	0004	131	A	0.0	-0.1	-0.1	-0.3	-0.5 ⁸ⁿ 0004	
	0005	132	A	+1.0	-0.1	+0.1	-0.3	-1.3 0036	
	0036	132	B	-1.0	-0.1	-0.3	-0.3	-1.7 0104	
	0104	132	B	0.0	-0.1	-0.3	-0.3	-0.7 0109	
	0109	132	B	-0.1	-0.1	-0.3	-0.3	-0.8 0119	
	0119	132	B	-0.2	-0.1	-0.3	-0.3	-0.9 0122	120 rpm
	0122	132	B	-0.2	-0.1	-0.4	-0.3	-1.0 0125	100 rpm
	0125	132	B	0.0	-0.1	-0.4	-0.3	-0.8 0128	100 rpm
	0128	132	B	0.0	-0.1	-0.3	-0.3	-0.7 0132	120 rpm
	0132	132	B	0.0	-0.1	-0.3	-0.4	-0.8 0134	
	0134	131	B	0.0	-0.1	+0.4	-0.4	-0.1 0139	
	0139	132	B	0.0	-0.1	-0.3	-0.4	-0.8 0140	120 rpm
	0140			0.0	-0.1	-0.4	-0.4	-0.9 0145	90 rpm
	0145			0.0	-0.1	-0.3	-0.4	-0.8 0216	120 rpm
	0216	132	A	0.0	-0.1	+0.1	-0.4	-0.4 0243	
	0243	132	B	0.0	-0.1	-0.3	-0.4	-0.8 0247	
	0247	132	B	-0.1	-0.1	-0.3	-0.4	-0.9 0256	
	0256			-0.2	-0.1	-0.3	-0.4	-1.0 0302	
	0302			0.0	-0.1	-0.3	-0.4	-0.8 0309	
	0309			-0.1	-0.1	-0.3	-0.4	-0.9 0323	
	0323			-0.2	-0.1	-0.3	-0.4	-1.0 0332	
	0332			0.0	-0.1	-0.3	-0.3	-0.7 0338	
	0338			-0.1	-0.1	-0.3	-0.3	-0.8 0353	
	0353	132	B	-0.2	-0.1	-0.3	-0.3	-0.9 0356	
	0356	132	A	0.0	-0.1	+0.1	-0.3	-0.3 0400	
	0400			0.0	-0.1	0.0	-0.3	-0.4 0515	100 rpm
	0515			0.0	-0.1	0.0	-0.2	-0.3 0630	100 rpm
	0630			0.0	-0.1	+0.1	-0.2	-0.2 0645	120 rpm
	0645			0.0	-0.1	+0.1	-0.1	-0.1 0800	

COMPUTATION OF CORRECTORS
for
SURVEY H-7820 (10848)

Date	Time	Fath. No.	Phase	Index	Draft	Instr.	Tide	Total Corrector	Remarks
11/15/50	0800	132	A	-0.1 fm	-0.1 fm	+0.1 fm	-0.1 fm	fm -0.2	0816 120 rpm
	0816	132	A	0.0	-0.1	+0.1	-0.1	-0.1	0824
	0824	132	A	0.0	-0.1	+0.1	-0.1		L.E.
	0830			0.0	-0.1	+0.1	0.0		
	1550	132	A	0.0	-0.1	+0.1	-0.2	-0.2	1942 L.B. 120 rpm
	1942	132	B	0.0	-0.1	-0.3	-0.2	-0.6	2004
	2004	132	B	0.0	-0.1	-0.3	-0.2		L.E.
	2130			0.0	-0.1	-0.3	-0.2	-0.6	2132 L.B. 120 rpm
	2132	132	B	0.0	-0.1	-0.4	-0.2	-0.7	2140 100 rpm
	2140			-0.1	-0.1	-0.4	-0.2	-0.8	2159
	2159	132	B	-0.2	-0.1	-0.4	-0.2	-0.9	2209
	2209	132	A	0.0	-0.1	0.0	-0.2	-0.3	2230
	2230			0.0	-0.1	0.0	-0.3	-0.4	2310
	2310			-0.1	-0.1	0.0	-0.3	-0.5	2352
	2352			0.0	-0.1	0.0	-0.3	-0.4	0000 100 rpm
11/16/50	0000	132	A	0.0	-0.1	0.0	-0.3	-0.4	0130 100 rpm
	0130			0.0	-0.1	0.0	-0.4	-0.5	0137
	0137			0.0	-0.1	+0.1	-0.4	-0.4	0230 120 rpm
	0230			-0.1	-0.1	+0.1	-0.4	-0.5	0237
	0237			0.0	-0.1	+0.1	-0.4	-0.4	0303
	0303	132	A	0.0	-0.1	+0.1	-0.4		L.E.
11/24/50	2030	131	A	0.0	-0.0	-0.1	-0.4	-0.5	2210 L.B. 120 rpm
	2210			0.0	0.0	-0.2	-0.4	-0.6	2220 100 rpm
	2220			0.0	0.0	-0.1	-0.4	-0.5	2240 110 rpm
	2240	132	A	0.0	0.0	-0.2	-0.4	-0.6	2247 75 rpm
	2246	131	A	0.0	0.0	-0.2	-0.4		
	2247	132	A	0.0	0.0	0.0	-0.4	-0.4	2400
	2400	132	A	-0.1	0.0	0.0	-0.4	-0.5	0010
11/25/50	0010	132	A	-0.1	0.0	0.0	-0.3	-0.4	0020
	0020			-0.2	0.0	0.0	-0.3	-0.5	0043
	0043			0.0	0.0	0.0	-0.3	-0.3	0110
	0050			0.0	0.0	0.0	-0.3		100 rpm
	0110			0.0	0.0	0.0	-0.2	-0.2	0134
	0134	132	A	-0.1	0.0	0.0	-0.2	-0.3	0135
	0135	131	A	+0.2	0.0	-0.2	-0.2	-0.2	0136
	0136			0.0	0.0	-0.2	-0.2	-0.4	0200
	0200	131	A	-0.1	0.0	-0.2	-0.2	-0.5	0210
	0210	131	A	-0.1	0.0	-0.2	-0.2		L.E.

COMPUTATION OF CORRECTORS
for
SURVEY H-7820 (10848)

Date	Time	Fath. Phase	No.	Index	Draft	Instr.	Tide	Total Corrector	Remarks
11/27/50	1750	132	A	-0.1 fm	-0.1 fm	+0.1 fm	-0.2 fm	-0.3 to 1800	L.B. 120 rpm
	1800			0.0	-0.1	+0.1	-0.2	-0.2	1920
	1920			-0.1	-0.1	+0.1	-0.2	-0.3	2200
	1931			0.0	-0.1	+0.1	-0.3		
	2200	132	A	0.0	-0.1	+0.1	-0.4	-0.4	2218
	2218	132	B	0.0	-0.2	-0.3	-0.4	-0.8	2342
	2342	132	A	0.0	-0.1	+0.1	-0.4	-0.4	0010
	2400	132	A	0.0	-0.1	+0.1	-0.4		
11/28/50	0010	132	A	-0.1	-0.1	+0.1	-0.4	-0.5	0015
	0015			-0.1	-0.1	+0.1	-0.3	-0.4	0040
	0040			-0.2	-0.1	+0.1	-0.3	-0.5	0057
	0057			0.0	-0.1	+0.1	-0.3	-0.3	0150
	0150			-0.1	-0.1	+0.1	-0.3	-0.4	0215
	0215			-0.1	-0.1	+0.1	-0.2	-0.3	0220
	0220			-0.2	-0.1	+0.1	-0.2	-0.4	0240
	0240			-0.3	-0.1	+0.1	-0.2	-0.6	0245
	0245			0.0	-0.1	+0.1	-0.2	-0.2	0330
	0330			0.0	-0.1	0.0	-0.2	-0.3	0333 100 rpm
	0333			0.0	-0.1	+0.1	-0.2	-0.2	0345 120 rpm
	0345			0.0	-0.1	+0.1	-0.1	-0.1	0350
	0350			-0.1	-0.1	+0.1	-0.1	-0.2	0356
	0356			0.0	-0.1	+0.1	-0.1	-0.1	0500
	0450			0.0	-0.1	+0.1	-0.1		110 rpm
	0500			0.0	-0.1	+0.1	0.0	0.0	0630
	0630			0.0	-0.1	+0.1	+0.1	+0.1	0742
	0742	132	B	0.0	-0.1	-0.3	+0.1	-0.3	0840
	0831			0.0	-0.1	-0.3	+0.1		
	0838			0.0	-0.1	-0.3	+0.1		120 rpm
	0840			-0.1	-0.1	-0.3	+0.1	-0.4	0858
	0858			-0.2	-0.1	-0.3	+0.1	-0.5	0906
	0906	132	A	0.0	-0.1	+0.1	+0.1	+0.1	1130
	1130			0.0	-0.1	+0.1	0.0	0.0	1220
	1201			0.0	-0.1	+0.1	0.0		110 rpm
	1220			-0.1	-0.1	+0.1	0.0	-0.1	1231
	1231			-0.1	-0.1	0.0	0.0	-0.2	1239 100 rpm
	1239			0.0	-0.1	0.0	0.0	-0.1	1243
	1243			0.0	-0.1	+0.1	0.0	0.0	1327 120 rpm
	1304			0.0	-0.1	+0.1	0.0		110 rpm
	1326	132	A	0.0	-0.1	+0.1	0.0		

COMPUTATION OF CORRECTORS
for
SURVEY H-7820 (10848)

Date	Time	Fath. No. Phase	Index	Draft	Instr.	Tide	Total Corrector	Remarks	
11/28/50	1327	131 A	0.0 fm	-0.1 fm	-0.1 fm	0.0 fm	-0.2 fm	1330 120 rpm	
	1330		0.0	-0.1	-0.1	-0.1	-0.3	1337	
	1337	131 B	0.0	-0.1	+0.4	-0.1	+0.2	1420	
	1420		0.0	-0.1	+0.4	-0.1	-0.2	1424 120 rpm	
	1422		0.0	-0.1	+0.4	-0.1			
	1424	132 B	0.0	-0.1	-0.3	-0.1	-0.5	1437	
	1437		-0.1	-0.1	-0.3	-0.1	-0.6	1449	
	1449	131 B	0.0	-0.1	+0.4	-0.1	+0.2	1459	
	1459		-0.1	-0.1	+0.4	-0.1	+0.1	1516	
	1516		-0.2	-0.1	+0.4	-0.1	0.0	1534	
	1534		-0.3	-0.1	+0.4	-0.1	-0.1	1544	
	1544	131 A	0.0	-0.1	-0.1	-0.1	-0.3	1555	
	1554		0.0	-0.1	-0.1	-0.1			
	1555	132 A	+0.1	-0.1	+0.1	-0.1	0.0	1558	
	1558	131 A	0.0	-0.1	-0.1	-0.1	-0.3	1610	
	1610		-0.1	-0.1	-0.1	-0.1	-0.4	1614	
	1614		0.0	-0.1	-0.1	-0.1	-0.3	1655	
	1655	132 A	0.0	-0.1	+0.1	-0.1	-0.1	1925	
	1925		-0.1	-0.1	+0.1	-0.1	-0.2	1933	
	1933		0.0	-0.1	+0.1	-0.1	-0.1	1950	
	1950	132 A	0.0	-0.1	+0.1	-0.2	-0.2	2022	
	2022	131 A	0.0	-0.1	-0.1	-0.2	-0.4	2231	
	2231		0.0	-0.1	-0.1	-0.3	-0.5	2400	
	2359		0.0	-0.1	-0.1	-0.3			
2400	131 B	+0.8	-0.1	+0.4	-0.3	+0.8	0001		
11/29/50	0001	131 A	0.0	-0.1	-0.1	-0.3	-0.5	0002	
	0002	131 B	0.0	-0.1	+0.4	-0.3	0.0	0018	
	0018		-0.1	-0.1	+0.4	-0.3	-0.1	0047	
	0047		-0.2	-0.1	+0.4	-0.3	-0.2	0104	
	0104		0.0	-0.1	+0.4	-0.3	0.0	0123	
	0123		-0.1	-0.1	+0.4	-0.3	-0.1	0130	
	0130		-0.1	-0.1	+0.4	-0.2	0.0	0139	
	0139	131 A	-0.1	-0.1	-0.1	-0.2	-0.5	0200	
	0200		-0.2	-0.1	-0.1	-0.2	-0.6	0217	
	0217		0.0	-0.1	-0.1	-0.2	-0.4	0345	
	0345		0.0	-0.1	-0.1	-0.1	-0.3	0400	
	0400		-0.1	-0.1	-0.1	-0.1	-0.4	0409	
	0409		0.0	-0.1	-0.1	-0.1	-0.3	0510	
	0510	131 A	0.0	-0.1	-0.1	-0.1		L.E.	
	/	/	/	✓	/	✓	✓	/	

COMPUTATION OF CORRECTORS
for
SURVEY H-7820 (10848)

Date	Time	Fath. Phase	No.	Index	Draft	Instr.	Tide	Total Corrector	Remarks
11/29/50	0515						0.0 fm		
	0651						+0.1		
	0700	131	A	+1.3 fm	-0.1 fm	-0.1 fm	+0.1	+12.6	0703 L.B. 1201pm
	0703			0.0	-0.1	-0.1	+0.1	-0.1	0925
	0924			0.0	-0.1	-0.1	+0.1		
	0925	132	A	0.0	-0.1	+0.1	+0.1	+0.1	1112
	1112	131	A	0.0	-0.1	-0.1	+0.1	-0.1	1113
	1113	131	B	0.0	-0.1	+0.4	+0.1	+0.4	1120
	1120			-0.1	-0.1	+0.4	+0.1	+0.3	1131
	1131			-0.2	-0.1	+0.4	0.0	+0.1	1142
	1142			-0.3	-0.1	+0.4	0.0	0.0	1153
	1153			-0.4	-0.1	+0.4	0.0	-0.1	1203
	1203			-0.5	-0.1	+0.4	0.0	-0.2	1214
	1214			-0.6	-0.1	+0.4	0.0	-0.3	1225
	1225			-0.7	-0.1	+0.4	0.0	-0.4	1235
	1235			-0.8	-0.1	+0.4	0.0	-0.5	1240
	1240			0.0	-0.1	+0.4	0.0	+0.3	1255
	1255	131	C	0.0	-0.1	+2.4	0.0	+2.3	1306
	1306	131	C	0.0	-0.1	+2.4	0.0		L.E.
	1410	131	C	0.0	-0.1	+2.4	-0.1	+2.2	1451 L.B. 1201pm
	1451	131	B	0.0	-0.1	+0.4	-0.1	+0.2	1516
	1516			-0.1	-0.1	+0.4	-0.1	+0.1	1542
	1542			0.0	-0.1	+0.4	-0.1	+0.2	1616
	1606			0.0	-0.1	+0.4	-0.1		
	1616			-0.1	-0.1	+0.4	-0.1	+0.1	1636
	1636	131	B	-0.2	-0.1	+0.4	-0.1	0.0	1646
	1646	132	B	0.0	-0.1	-0.3	-0.1	-0.5	1710
	1710			+0.1	-0.1	-0.3	-0.1	-0.4	1724
	1724			0.0	-0.1	-0.3	-0.1	-0.5	1748
	1748	132	A	0.0	-0.1	+0.1	-0.1	-0.1	1850
	1850			0.0	-0.1	+0.1	-0.1		L.E.
	1918			0.0	-0.1	+0.1	-0.1	-0.1	1930 L.B. 1201pm
	1930			+0.1	-0.1	+0.1	-0.2		
	1933	131	A	0.0	-0.1	-0.1	-0.2	-0.4	2305
	2305	131	A	0.0	-0.1	-0.1	-0.3	-0.5	0050
11/30/50	0050	131	A	-0.1	-0.1	-0.1	-0.3	-0.6	0117
	0117	131	A	0.0	-0.1	-0.1	-0.3	-0.5	0302
	0302			0.0	-0.1	-0.1	-0.3		L.E.
	0308			0.0	-0.1	-0.1	-0.3	-0.5	0355 L.B. 1201pm
	0330	131	A	-0.1	-0.1	-0.1	-0.2		

COMPUTATION OF CORRECTORS
for
SURVEY H-7820 (10848)

Date	Time	Fath. No.	Phase	Index	Draft	Instr.	Tide	Total Corrector	Remarks
11/30/50	0355	131	A	0.0	-0.1	-0.1	-0.2	-0.4	0408 L.B. 1201pm
	0408	132	A	0.0	-0.1	+0.1	-0.2	-0.2	0500
	0500			-0.1	-0.1	+0.1	-0.2	-0.3	0510
	0510			-0.1	-0.1	+0.1	-0.1	-0.2	0514
	0514			0.0	-0.1	+0.1	-0.1	-0.1	0526
	0526			0.0	-0.1	+0.1	-0.1		L.E.
12/13/50	0210	131	C	+0.1	-0.1	+2.4	-0.3	+2.1	0232 L.B. 1201pm
	0232	131	B	+0.1	-0.1	+0.4	-0.3	+0.1	0306
	0306			0.0	-0.1	+0.4	-0.3	0.0	0337
	0314			0.0	-0.1	+0.4	-0.3		
	0332			0.0	-0.1	+0.4	-0.3		
	0337			-0.1	-0.1	+0.4	-0.3	-0.1	0345
	0345			-0.2	-0.1	+0.4	-0.2	-0.1	0353
	0353			-0.3	-0.1	+0.4	-0.2	-0.2	0401
	0401			-0.4	-0.1	+0.4	-0.2	-0.3	0406
	0406			+0.1	-0.1	+0.4	-0.2	+0.2	0433
	0433	131	B	+0.2	-0.1	+0.4	-0.2	+0.3	0442
	0442	131	A	+0.2	-0.1	-0.1	-0.2	-0.2	0448
	0448	132	A	0.0	-0.1	+0.1	-0.1	-0.1	0540
	0540			-0.1	-0.1	+0.1	-0.1	-0.2	0554
	0554			0.0	-0.1	+0.1	-0.1	-0.1	0621
	0621			0.0	-0.1	+0.1	0.0	0.0	0650
	0650			-0.1	-0.1	+0.1	0.0	-0.1	0703
	0703			0.0	-0.1	+0.1	0.0	0.0	0751
	0751			0.0	-0.1	+0.1	+0.1	+0.1	0810
	0810			-0.1	-0.1	+0.1	+0.1	0.0	0840
	0840			-0.2	-0.1	+0.1	+0.1	-0.1	0900
	0900			-0.3	-0.1	+0.1	+0.1	-0.2	0940 L.E.
	0940			0.0	-0.1	+0.1	+0.1	+0.1	1010 L.B. 1201pm
	1010			-0.1	-0.1	+0.1	+0.1	0.0	1030
	1030	132	A	-0.2	-0.1	+0.1	+0.1	-0.1	1111 L.E.
	1111						0.0		
	1311						-0.1		
	1410	131	A	0.0	-0.1	-0.1	-0.1	-0.3	1730 L.B. 1201pm
	1730	131	B	0.0	-0.1	+0.4	-0.1	+0.2	1748
	1748	131	B	+0.1	-0.1	+0.4	-0.1	+0.3	1756
	1756			+0.2	-0.1	+0.4	-0.1	+0.4	1830
	1830			+0.2	-0.1	+0.4	-0.1		L.E.
	1920	131	B	0.0	-0.1	+0.4	-0.1	+0.2	1935 L.B. 1201pm

COMPUTATION OF CORRECTORS
for
SURVEY H-7820 (10848)

Date	Time	Fath. No. Phase	Index	Draft	Instr.	Tide	Total Corrector	Remarks
12/13/50	1935	131 B	-0.1	-0.1	+0.4	-0.1	+0.1	120 (PT)
	2004		-0.2	-0.1	+0.4	-0.1	0.0	2022
	2022	131 A	0.0	-0.1	-0.1	-0.1	-0.3	2100
	2100		-0.1	-0.1	-0.1	-0.2	-0.5	2125
	2125		-0.2	-0.1	-0.1	-0.2	-0.6	2137
	2137		0.0	-0.1	-0.1	-0.2	-0.4	2230
	2230		-0.1	-0.1	-0.1	-0.2	-0.5	2300
	2300		-0.2	-0.1	-0.1	-0.2	-0.6	2315
	2315		0.0	-0.1	-0.1	-0.2	-0.4	0001
	2400		0.0	-0.1	-0.1	-0.2		
12/14/50	0001	131 A	0.0	-0.1	-0.1	-0.3	-0.5	0031
12/14/50	0031	132 A	0.0	-0.1	+0.1	-0.3	-0.3	0328
	0328	132 B	0.0	-0.1	-0.3	-0.3	-0.7	0431
	0431		0.0	-0.1	-0.3	-0.2	-0.6	0441
	0440	132 B	0.0	-0.1	-0.3	-0.2		
	0441	131 B	0.0	-0.1	+0.4	-0.2	+0.1	0451
	0451		-0.1	-0.1	+0.4	-0.2	0.0	0504
	0504		0.0	-0.1	+0.4	-0.2	+0.1	0616
	0616	131 A	0.0	-0.1	-0.1	-0.1	-0.3	0650
	0650		-0.1	-0.1	-0.1	-0.1	-0.4	0701
	0701		0.0	-0.1	-0.1	-0.1	-0.3	0745
	0745		0.0	-0.1	-0.1	0.0	-0.2	0820
	0820		-0.1	-0.1	-0.1	0.0	-0.3	0850
	0850		-0.2	-0.1	-0.1	0.0	-0.4	0920
	0920		-0.3	-0.1	-0.1	0.0	-0.5	0925
	0925		0.0	-0.1	-0.1	0.0	-0.2	0950
	0950		-0.1	-0.1	-0.1	0.0	-0.3	1000
	1000	131 A	-0.1	-0.1	-0.1	0.0		L.E

NET FINAL CORRECTIONS

(Sheet No. 2)

SEASON 1950

SHEET HYDROGRAPHER

G.L. ANDERSON, COMMANDING

From	To	Corr. CC	Remarks	From	To	Corr. D	Remarks
1950 May 18 1400	1950 May 27 1400	-1.2		1950 May 18 1400	1950 May 19 2200	-1.0	
				May 19 2201	May 27 1400	-1.2	
June 5 1000	June 14 1300	-1.0		June 5 1000	June 14 1300	-1.4	
June 20 1200	June 20 2400	-2.0		June 20 1200	June 24 1600	-1.2	
June 21 0001	June 24 2400	-1.8		June 24 1601	June 26 2400	-1.4	
June 25 0001	June 29 1300	-1.0	Eqpt. Changed	June 27 0001	June 29 0200	-1.6	
				June 29 0201	June 29 1300	-1.8	
July 6 2000	July 9 1300	-1.2	Ship Ret. to St. Peterburg during trip	July 6 2000	July 8 0500	-1.8	
July 10 1700	July 15 1300	-0.8		July 8 0501	July 8 2400	-2.0	
				July 9 0001	July 9 1300	-2.2	Ship Returned to St. Peters- burg during tri.
				July 10 1700	July 15 1300	-1.4	
July 20 1300	July 21 1400	-1.0		July 20 1300	July 20 1800	-2.0	
July 21 1401	July 23 2000	-1.2		July 20 1801	July 25 0000	-1.8	
July 23 2001	July 26 0600	-1.4		July 25 0001	July 26 0600	-2.0	

Comp: JPL
CHK: EAD

HFI FINAL CORRECTIONS

(Sheet No. 3)

SEASON 1950

SHIP HYDROGRAPHER

G.L. ANDERSON, COMMANDING

From	To	Corr. CC	Remarks	From	To	Corr. D	Remarks
July 26 0601	July 26 1800	-1.2		July 26 0601	July 27 1000	-2.2	
July 26 1801	July 27 0800	-1.0		July 27 1001	July 28 0300	-2.0	
July 27 0801	July 27 2200	-0.8		July 28 0301	July 28 2100	-1.8	
July 27 2201	July 28 1400	-0.6		July 28 2101	July 29 1300	-1.6	
July 28 1401	July 29 0600	-0.4					
July 29 0601	July 29 1300	-0.2					
Aug. 9 1300	Aug. 10 0400	-1.2		Aug. 9 1300	Aug. 10 1700	-2.0	
Aug. 10 0401	Aug. 11 0000	-1.0		Aug. 10 1701	Aug. 11 1700	-1.8	
Aug. 11 0001	Aug. 11 1700	-0.8		Aug. 11 1701	Aug. 13 2000	-1.6	
Aug. 11 1701	Aug. 17 1200	-1.0		Aug. 13 2001	Aug. 15 2200	-1.8	
				Aug. 15 2201	Aug. 16 1000	-2.0	
				Aug. 16 1001	Aug. 16 1800	-2.2	
				Aug. 16 1801	Aug. 17 0100	-2.0	
				Aug. 17 0101	Aug. 17 0800	-1.8	
				Aug. 17 0801	Aug. 17 1200	-1.6	
Aug. 23 1300	Aug. 26 2400	-0.8	Ship Ret. to port due to Hurricane	Aug. 23 1300	Aug. 26 2400	-2.1	

Comp: JPL
Chk: EAD

NPI FINAL CORRECTIONS

(Sheet No. 4)

SEASON 1940

SHIP HYDROGRAPHER

G.I. ANDERSON, COMMANDING

From	To	Corr. C	Remarks	From	To	Corr. D	Remarks
Sept. 12 1830	Sept. 13 0900	-0.6		Sept. 12 1830	Sept. 13 0800	-3.5	New Antennae
Sept. 13 0901	Sept. 14 0600	-0.8		Sept. 13 0801	Sept. 17 1400	-1.4	Regular Antennae
Sept. 14 0601	Sept. 15 0000	-2.0		Sept. 17 1401	Sept. 19 1100	-1.6	
Sept. 15 0001	Sept. 15 1900	-1.2		Sept. 19 1101	Sept. 20 1000	-1.4	
Sept. 15 1901	Sept. 16 1800	-1.4		Sept. 20 1001	Sept. 20 1400	-1.2	
Sept. 16 1801	Sept. 17 2200	-1.6					
Sept. 17 2201	Sept. 19 1000	-1.8					
Sept. 19 1001	Sept. 20 0200	-1.6					
Sept. 20 0201	Sept. 20 1300	-1.4					
Sept. 25 1300	Sept. 26 0500	-1.6	Field Work prevented	Sept. 25 1300	Sept. 25 1800	-1.6	
Sept. 27 1100	Sept. 29 0000	-1.4	by weather	Sept. 25 1801	Sept. 26 0200	-1.8	
Sept. 29 0001	Sept. 30 1000	-1.2		Sept. 26 0201	Sept. 26 0500	-2.0	Field Work prevented by weather
				Sept. 27 1100	Sept. 28 2200	-1.8	
				Sept. 28 2201	Sept. 29 0600	-1.6	
				Sept. 29 0601	Sept. 29 1700	-2.4	
				Sept. 29 1701	Sept. 30 0500	-1.2	
				Sept. 30 0501	Sept. 30 1000	-1.0	

Comp: JPL
Chks: GOM

NET FINAL CORRECTIONS

(Sheet No. 5)

SEASON 1950

NETIP HYDROGRAPHER

G.L. ANDERSON, COMMANDING

From	To	Corr. C	Remarks	From	To	Corr. D	Remarks
Oct. 4 1100	Oct. 6 1200	-1.8		Oct. 4 1100	Oct. 6 0600	-1.6	
Oct. 6 1201	Oct. 7 1100	-1.6		Oct. 6 0601	Oct. 10 0600	-1.8	
Oct. 7 1101	Oct. 8 1200	-1.4		Oct. 10 0601	Oct. 13 1300	-1.6	
Oct. 8 1201	Oct. 9 2300	-1.2					
Oct. 9 2301	Oct. 11 1200	-1.0					
Oct. 11 1201	Oct. 13 0000	-0.8					
Oct. 13 0001	Oct. 13 1300	-0.6					
Oct. 24 1130	Nov. 3 1200	-0.4		Oct. 24 1130	Nov. 3 1200	-1.6	
Nov. 8 1200	Nov. 9 1100	-0.6		Nov. 8 1200	Nov. 10 0500	-1.6	
Nov. 9 1101	Nov. 10 1100	-0.8		Nov. 10 0501	Nov. 10 2000	-1.8	
Nov. 10 1101	Nov. 11 1400	-1.0		Nov. 10 2001	Nov. 11 1800	-2.0	
Nov. 11 1401	Nov. 13 0000	-1.2		Nov. 11 1801	Nov. 12 0200	-1.8	
Nov. 13 0001	Nov. 16 1400	-1.0		Nov. 12 0201	Nov. 12 1000	-1.6	
				Nov. 12 1001	Nov. 13 1200	-1.4	
				Nov. 13 1201	Nov. 16 1400	-1.6	

Comp: JPL
Chk: GCE

BRASOW 1990

UNIT BRUNNENHAGEN

G.L. ANDERSON, COMMANDING

From	To	Grav. CC	Remarks	From	To	Grav. D	Remarks
Nov. 24 1200	Nov. 25 1200	-1.4		Nov. 24 1200	Nov. 25 0600	-2.0	
Nov. 25 1201	Nov. 28 1200	-1.6		Nov. 25 0602	Nov. 27 0200	-1.8	
Nov. 28 1201	Nov. 29 0500	-1.4		Nov. 27 0301	Nov. 30 1300	-1.6	
Nov. 29 0601	Nov. 30 0700	-1.2					
Nov. 30 0001	Nov. 30 1300	-1.0					
Dec. 6 1200	Dec. 6 1600	-0.4		Dec. 6 1200	Dec. 6 2000	-2.2	
Dec. 6 1601	Dec. 6 2100	-0.6		Dec. 6 2001	Dec. 7 0200	-2.0	
Dec. 6 2101	Dec. 7 0300	-0.8		Dec. 7 0301	Dec. 7 1300	-1.3	
Dec. 7 0301	Dec. 7 0300	-1.0		Dec. 7 1301	Dec. 14 1800	-1.6	
Dec. 7 0601	Dec. 7 1400	-1.2					
Dec. 7 1401	Dec. 7 1900	-1.4					
Dec. 7 1901	Dec. 8 0100	-1.6					
Dec. 8 0101	Dec. 8 0600	-1.8					
Dec. 8 0601	Dec. 8 1400	-2.0					
Dec. 8 1401	Dec. 9 0500	-1.8					
Dec. 9 0501	Dec. 9 2100	-1.6					
Dec. 9 2101	Dec. 10 1100	-1.4					
Dec. 10 1101	Dec. 11 0300	-1.2					
Dec. 11 0301	Dec. 11 1800	-1.0					
Dec. 11 1801	Dec. 12 1000	-0.8					

Comp: JPL
Chkt: GOM

WRY FINAL CORRECTIONS

(Sheet No. 7)

SEASON 1950

SHIP HYDROGRAPHER

G.L. ANDERSON, COMMANDING

From	To	Corr. CG	Remarks
Dec. 12 1001	Dec. 13 0200	-0.6	
Dec. 13 0201	Dec. 13 2100	-0.4	
Dec. 13 2101	Dec. 14 1500	-0.6	

Comps: JPL
 Chkt: GCR

VELOCITY CORRECTIONS

For Type 100 J Depth Recorder - Velocity of sound 820 fathoms per second

NOTE: ALL corrections additive unless otherwise indicated

SERIES: H-7723 (10148); H-7816 (10248); H-7792 (10648);
 H-7820 (10848); H-7793 (10948).

PERIOD: 2 May through 13 May 1950.

FEET			FATHOMS		
From	Depth To	Corrn.	From	To	Corrn. (0.1)
00.0	25.0	0.0	00.0	4.6	0.0
25.1	54.5	0.5	04.7	10.6	0.1
54.6	88.5	1.0	10.7	20.8	0.2
88.6	196.0	1.5	20.9	33.3	0.3
196.1	200.0	2.0			

PERIOD: 18 May through 27 May 1950.

FEET			FATHOMS		
From	Depth To	Corrn.	From	To	Corrn. (0.1)
00.0	22.0	0.0	00.0	04.1	0.0
22.1	45.9	0.5	04.2	09.0	0.1
46.0	72.2	1.0	09.1	16.3	0.2
72.3	100.1	1.5	16.4	20.4	0.3
100.2	131.5	2.0	20.5	22.0	0.4

PERIOD: 5 June through 29 July 1950.

FEET			FATHOMS		
From	Depth To	Corrn.	From	To	Corrn. (0.1)
20.9	40.0	0.5	4.5	7.5	0.1
40.1	59.5	1.0	7.6	12.0	0.2
59.6	79.0	1.5	12.1	15.5	0.3
79.1	102.0	2.0	15.6	20.5	0.4
102.1	130.0	2.5	20.6	26.5	0.5
130.1	157.5	3.0	26.6	32.0	0.6
157.6	160.0	3.5	32.1	38.5	0.7
			38.6	45.5	0.8
			45.6	57.0	0.9
			57.1	67.0	1.0

VELOCITY CORRECTIONS

For Type 808 J Depth Recorders - Velocity of sound 820 fathoms per second

NOTE: ALL corrections additive unless otherwise indicated.

SURVEYS: H-7749 (10548); H-7792 (10648); H-7819 (10748);
H-7820 (10848); H-7793 (10948); H-7821 (20149).

PERIOD: 9 August through 27 August 1950.

FEET			FATHOMS		
From	Depth To	Corrn.	From	Depth To	Corrn. (0.1)
	21.5	0.0	7.1	11.0	0.2
22.0	39.0	0.5	11.1	15.0	0.3
39.5	56.5	1.0	15.1	19.1	0.4
57.0	75.0	1.5	19.2	23.5	0.5
75.5	94.0	2.0	23.6	28.0	0.6
94.5	114.5	2.5	28.1	33.0	0.7
115.0	136.0	3.0	33.1	38.2	0.8
136.5	159.0	3.5	38.3	43.5	0.9
159.5		4.0	43.6	48.5	1.0
			48.6	54.0	1.1
			54.1	59.5	1.2
			59.6	65.1	1.3
			65.2	71.5	1.4
			71.6	80.0	1.5
			80.1	87.5	1.6
			87.6	99.0	1.7
			99.1	114.5	1.8
			114.6	160.0	1.9

FATHOMS			FATHOMS		
From	Depth To	Corrn. (0.2)	From	Depth To	Corrn. (0.5)
7.1	15.0	0.2		11.0	0.0
15.1	23.5	0.4	11.1	33.0	0.5
23.6	33.0	0.6	33.1	59.5	1.0
33.1	43.5	0.8	59.6	99.0	1.5
43.6	54.0	1.0	99.1	160.0	2.0
54.1	65.1	1.2			
65.2	80.0	1.4			
80.1	99.0	1.6			
99.1	160.0	1.8			

VELOCITY CORRECTIONS

For Type 808 J Depth Recorder - Velocity of sound 520 fathoms per second

NOTE: ALL corrections additive unless otherwise indicated

SURVEYS: H-7793 (10948); H-7819 (10748); H-7820 (10848);
 H-7821 (20149); H-7871 (10150)

PERIOD: 12 September through 13 October 1950

FEET			FATHOMS		
From	Depth To	Corrn.	From	To	Corrn. (0.1)
30.0	42.0	0.5	7.0	7.8	0.1
42.5	62.0	1.0	7.9	12.0	0.2
62.5	82.0	1.5	12.1	16.2	0.3
82.5	102.0	2.0	16.3	20.3	0.4
102.5	123.0	2.5	20.4	24.5	0.5
123.5	144.0	3.0	24.6	29.0	0.6
144.5	162.0	3.5	29.1	34.2	0.7
			34.3	40.0	0.8
			40.1	47.0	0.9
			47.1	56.0	1.0
			56.1	63.0	1.1
			68.1	81.6	1.2
			81.7	97.0	1.3
			97.1	114.5	1.4
			114.6	160.0	1.5

FATHOMS			FATHOMS		
From	Depth To	Corrn. (0.2)	From	To	Corrn. (0.5)
0.0	8.0	0.0	0.0	17.0	0.0
8.1	16.0	0.2	17.1	41.5	0.5
16.1	24.5	0.4	41.6	100.0	1.0
24.6	34.2	0.6	100.1	160.0	1.5
34.3	47.0	0.8			
47.1	68.0	1.0			
68.1	97.0	1.2			
97.1	160.0	1.4			

VELOCITY CORRECTIONS

For Type 808 J Depth Recorder - Velocity of sound 820 fathoms per second

NOTE: ALL corrections additive unless otherwise indicated.

SURVEYS: H-7793 (10948); H-7820 (10948); H-7821 (20149);
H-7871 (10150).

PERIOD: 14 October through 30 November 1950.

FEET			FATHOMS		
From	Depth To	Corrn.	From	Depth To	Corrn. (0.1)
0.0	23.0	0.0	7.0	8.8	0.1
23.5	46.0	0.5	8.9	13.4	0.2
46.5	69.0	1.0	13.5	18.0	0.3
69.5	91.5	1.5	18.1	22.5	0.4
92.0	114.5	2.0	22.6	27.2	0.5
115.0	137.0	2.5	27.3	31.5	0.6
137.5	158.5	3.0	31.6	36.2	0.7
159.0	162.0	3.5	36.3	41.2	0.8
			41.3	47.0	0.9
			47.1	53.0	1.0
			53.1	60.4	1.1
			60.5	69.2	1.2
			69.3	79.0	1.3
			79.1	92.0	1.4
			92.1	160.0	1.5

FATHOMS			FATHOMS		
From	Depth To	Corrn. (0.2)	From	Depth To	Corrn. (0.5)
0.0	3.8	0.0	0.0	19.0	0.0
3.9	18.0	0.2	19.1	42.5	0.5
18.1	27.2	0.4	42.6	62.0	1.0
27.3	36.2	0.6	62.1	160.0	1.5
36.3	47.0	0.8			
47.1	60.4	1.0			
60.5	79.0	1.2			
79.1	160.0	1.4			

VELOCITY CORRECTIONS

For Type 803 J Depth Recorder - Velocity of sound 820 fathoms per second

NOTE: ALL corrections additive unless otherwise indicated

SURVEYS: H-7723 (10148); H-7818 (10248); H-7792 (10648);
H-7820 (10848); H-7793 (10948); H-7821 (20149); Chart 1007.

PERIOD: 6 December through 15 December 1950

FEET			FATHOMS		
From	Depth To	Corrn.	From	To	Corrn. (0.1)
00.0	27.5	0.0	7.0	11.5	0.1
28.0	59.0	0.5	11.6	17.5	0.2
59.5	90.0	1.0	17.6	23.5	0.3
90.5	121.5	1.5	23.6	29.0	0.4
122.0	150.5	2.0	29.1	34.8	0.5
151.0	162.0	2.5	34.9	40.4	0.6
			40.5	46.2	0.7
			46.3	52.2	0.8
			52.3	59.0	0.9
			59.1	67.5	1.0
			67.6	77.0	1.1
			77.1	88.0	1.2
			88.1	101.5	1.3
			101.6	151.0	1.2
			151.1	160.0	1.1

FATHOMS			FATHOMS		
From	Depth To	Corrn. (0.2)	From	To	Corrn. (0.5)
0.0	11.5	0.0	0.0	25.0	0.0
11.6	23.5	0.2	25.1	54.0	0.5
23.6	34.8	0.4	54.1	160.0	1.0
34.9	46.2	0.6			
46.3	59.0	0.8			
59.1	77.0	1.0			
77.1	151.0	1.2			
151.1	160.0	1.0			

VELOCITY CORRECTIONS

For Type MK-1 Depth Recorder - Velocity of sound 300 fathoms per second

NOTE: All corrections additive unless otherwise indicated.

SURVEYS: H-7821 (20149); H-7819 (10748)

PERIOD: 9 August through 27 August 1950

FATHOMS			FATHOMS			FATHOMS		
Depth From	To	Corrn. (0.5)	Depth From	To	Corrn. (0.5)	Depth From	To	Corrn. (0.5)
100	111	4.5	861	880	19.5	1401	1415	34.5
112	130	5.0	881	905	20.0	1416	1430	35.0
131	150	5.5	906	925	20.5	1431	1440	35.5
151	175	6.0	926	945	21.0	1441	1455	36.0
176	190	6.5	946	965	21.5	1456	1472	36.5
191	202	7.0	966	989	22.0	1472	1485	37.0
203	221	7.5	990	1010	22.5	1486	1500	37.5
222	244	8.0	1011	1030	23.0	1501	1515	38.0
245	267	8.5	1031	1050	23.5	1516	1528	38.5
268	292	9.0	1051	1070	24.0	1529	1542	39.0
293	320	9.5	1071	1090	24.5	1543	1558	39.5
321	350	10.0	1091	1108	25.0	1549	1570	40.0
351	385	10.5	1109	1128	25.5	1571	1582	40.5
386	420	11.0	1129	1143	26.0	1583	1595	41.0
421	450	11.5	1144	1161	26.5	1596	1610	41.5
451	481	12.0	1162	1179	27.0	1611	1625	42.0
482	510	12.5	1180	1195	27.5	1626	1635	42.5
511	543	13.0	1196	1210	28.0	1636	1650	43.0
546	575	13.5	1211	1225	28.5	1651	1660	43.5
576	605	14.0	1226	1245	29.0	1661	1675	44.0
606	635	14.5	1246	1260	29.5	1676	1685	44.5
636	665	15.0	1261	1275	30.0	1686	1700	45.0
666	692	15.5	1276	1291	30.5	1701	1710	45.5
693	720	16.0	1292	1308	31.0	1711	1721	46.0
721	745	16.5	1309	1323	31.5	1722	1735	46.5
746	768	17.0	1324	1340	32.0	1736	1750	47.0
769	790	17.5	1341	1355	32.5	1751	1760	47.5
791	815	18.0	1356	1370	33.0	1762	1771	48.0
816	840	18.5	1371	1385	33.5	1772	1780	48.5
841	860	19.0	1386	1400	34.0	1781	1795	49.0

VELOCITY CORRECTIONS

For type MNC-1 Depth Recorder - Velocity of sound 800 fathoms per second

NOTE: ALL corrections additive unless otherwise indicated

SURVEYS: H-6542; H-7871 (10150); H-7821 (20149); H-7872 (20150);
H-7873 (20250)

PERIOD: 14 October through 30 November 1950

FATHOMS			FATHOMS			FATHOMS		
Depth From	To	Corrn. (0.5)	Depth From	To	Corrn. (0.5)	Depth From	To	Corrn. (0.5)
100	115	4.0	877	898	18.5	1411	1426	33.0
116	135	4.5	899	920	19.0	1427	1440	33.5
136	158	5.0	921	942	19.5	1441	1454	34.0
159	181	5.5	943	964	20.0	1455	1468	34.5
182	194	6.0	965	988	20.5	1469	1482	35.0
195	215	6.5	989	1008	21.0	1483	1496	35.5
216	242	7.0	1009	1026	21.5	1497	1510	36.0
243	272	7.5	1027	1046	22.0	1511	1524	36.5
273	302	8.0	1047	1066	22.5	1525	1540	37.0
303	332	8.5	1067	1084	23.0	1541	1554	37.5
333	362	9.0	1085	1102	23.5	1555	1566	38.0
363	400	9.5	1103	1120	24.0	1567	1580	38.5
401	425	10.0	1121	1140	24.5	1581	1594	39.0
426	462	10.5	1141	1160	25.0	1595	1608	39.5
463	500	11.0	1161	1180	25.5	1609	1620	40.0
501	536	11.5	1181	1200	26.0	1621	1632	40.5
537	570	12.0	1201	1216	26.5	1633	1644	41.0
571	600	12.5	1217	1232	27.0	1645	1656	41.5
601	628	13.0	1233	1248	27.5	1657	1670	42.0
629	654	13.5	1249	1262	28.0	1671	1682	42.5
655	680	14.0	1263	1280	28.5	1683	1694	43.0
681	708	14.5	1281	1298	29.0	1695	1708	43.5
709	736	15.0	1299	1314	29.5	1709	1720	44.0
737	760	15.5	1315	1330	30.0	1721	1734	44.5
761	784	16.0	1331	1346	30.5	1735	1748	45.0
785	808	16.5	1347	1362	31.0	1749	1760	45.5
809	830	17.0	1363	1378	31.5	1761	1772	46.0
831	854	17.5	1379	1394	32.0	1773	1786	46.5
855	876	18.0	1395	1410	32.5	1787	1800	47.0

VELOCITY CORRECTIONS

For Type MMC-1 Depth Recorder - Velocity of sound 800 fathoms per second

NOTE: ALL Corrections additive unless otherwise indicated

SURVEYS: H-6548; H-7821 (20149); H-7873 (20250); Chart 1007

PERIOD: 6 December through 15 December 1950

FATHOMS			FATHOMS			FATHOMS		
Depth From	To	Corrn. (0.5)	Depth From	To	Corrn. (0.5)	Depth From	To	Corrn. (0.5)
100	123	4.0	931	952	18.5	1445	1458	33.0
124	147	4.5	953	972	19.0	1459	1470	33.5
148	176	5.0	973	992	19.5	1471	1484	34.0
177	196	5.5	993	1010	20.0	1485	1500	34.5
197	222	6.0	1011	1030	20.5	1501	1514	35.0
223	260	6.5	1031	1050	21.0	1515	1528	35.5
261	295	7.0	1051	1070	21.5	1529	1542	36.0
296	330	7.5	1071	1088	22.0	1543	1556	36.5
331	368	8.0	1089	1106	22.5	1557	1570	37.0
369	403	8.5	1107	1124	23.0	1571	1584	37.5
404	440	9.0	1125	1142	23.5	1585	1596	38.0
441	474	9.5	1143	1160	24.0	1597	1610	38.5
475	508	10.0	1161	1180	24.5	1611	1622	39.0
509	544	10.5	1181	1200	25.0	1623	1636	39.5
545	576	11.0	1201	1218	25.5	1637	1650	40.0
577	606	11.5	1219	1234	26.0	1651	1662	40.5
607	634	12.0	1235	1250	26.5	1663	1674	41.0
635	662	12.5	1251	1264	27.0	1675	1686	41.5
663	690	13.0	1265	1282	27.5	1687	1700	42.0
691	716	13.5	1283	1300	28.0	1701	1712	42.5
717	740	14.0	1301	1316	28.5	1713	1724	43.0
741	764	14.5	1317	1332	29.0	1725	1736	43.5
765	790	15.0	1333	1350	29.5	1737	1750	44.0
791	814	15.5	1351	1366	30.0	1751	1762	44.5
815	836	16.0	1367	1382	30.5	1763	1776	45.0
837	860	16.5	1383	1398	31.0	1777	1788	45.5
861	884	17.0	1399	1414	31.5	1789	1800	46.0
885	908	17.5	1415	1428	32.0			
909	930	18.0	1429	1444	32.5			

INSTRUMENTAL CORRECTIONS

1950

Abstract of Instrumental Corrections including the correction for
Settlement and Squat.

Surveys: Chart 1007; H-6548; H-7723 (10148); H-7749 (10548);
H-7792 (10648); H-7793 (10948); H-7818 (10248);
H-7819 (10748); H-7820 (10848); H-7821 (20149);
H-7871 (10150); H-7872 (20150); H-7873 (20250).

FOOT SCALES

Fath. No.	Date	Scales:	A	B	C	D
131 SG	2 - 27 May	Speed: 120 RPM and over				
		Corrn: - 0.5	- 0.5	+ 2.0	+ 4.0	
		Speed: 106 RPM to 119 RPM incl.				
		Corrn: - 1.0	- 1.0	+ 1.5	+ 3.5	
		Speed: 105 RPM and under				
		Corrn: - 1.5	- 1.5	+ 1.0	+ 3.0	
<hr/>						
	5 June -	Speed: 120 RPM and over				
	15 December	Corrn: 0.0	+ 0.5	+ 2.5	+ 4.5	
		Speed: 106 RPM to 119 RPM incl.				
		Corrn: - 0.5	0.0	+ 2.0	+ 4.0	
		Speed: 105 RPM and under				
		Corrn: - 1.0	- 0.5	+ 1.5	+ 3.5	

FATHOM SCALES

131 SG	2 - 27 May	CORRECTORS TO 0.1 FATHOM				
		Speed: 108 RPM and over				
		Corrn: - 0.1	- 0.7	+ 1.9	+ 4.0	
		Speed: 107 RPM and under				
		Corrn: - 0.2	- 0.8	+ 1.8	+ 3.9	
		CORRECTORS TO 0.2 FATHOM				
		Speed: All speeds				
		Corrn: - 0.2	- 0.8	+ 1.8	+ 3.8	

Comp: JEW
CK: NET
WRK

FATHOM SCALES

Pack. No.	Date	Scales:	A	B	C	D
131 88	2 - 27 May	Speed:	CORRECTORS TO 0.5 FATHOM			
		Corrn:	All speeds			
		Corrn:	- 0.5	- 1.0	+ 2.0	+ 3.5
	5 June	Speed:	CORRECTORS TO 0.1 FATHOM			
15 December	Corrn:	108 RPM and over				
	Corrn:	- 0.1	+ 0.4	+ 2.4	+ 4.3	
	Speed:	CORRECTORS TO 0.2 FATHOM				
	Corrn:	107 RPM and under				
	Corrn:	- 0.2	+ 0.3	+ 2.3	+ 4.2	
	Speed:	CORRECTORS TO 0.2 FATHOM				
	Corrn:	All Speeds				
	Corrn:	- 0.2	+ 0.2	+ 2.2	+ 4.2	
	Speed:	CORRECTORS TO 0.5 FATHOM				
	Corrn:	All speeds				
	Corrn:	- 0.5	0.0	+ 2.0	+ 4.0	

FOOT SCALES

132 88	2 May - 0231 19 May	Speed:	120 RPM and over			
		Corrn:	- 0.5	- 1.5	0.0	+ 1.5
	Speed:	106 RPM to 119 RPM incl.				
	Corrn:	- 1.0	- 2.0	- 0.5	+ 1.0	
	Speed:	105 RPM and under				
	Corrn:	- 1.5	- 2.5	- 1.0	+ 0.5	
0232 0952	19 May - 19 May	Speed:	120 RPM and over			
		Corrn:	+ 1.0	+ 8.0		
	Speed:	106 RPM to 119 RPM incl.				
	Corrn:	+ 0.5	+ 7.5			
	Speed:	105 RPM and under				
	Corrn:	0.0	+ 7.0			

Comp: JEW
 Ck: NET
 WRK

FOOT SCALES

Fath. No.	Date	Scales:	A	B	C	D
132 SG	1210 19 May- 20 September	Speed:	120 RPM and over			
		Corrn:	+ 0.5	- 0.5	+ 0.5	+ 2.5
		Speed:	106 RPM to 119 RPM incl.			
		Corrn:	0.0	- 1.0	0.0	+ 2.0
		Speed:	105 RPM and under			
		Corrn:	- 0.5	- 1.5	- 0.5	+ 1.5
<hr/>						
23 September 15 December		Speed:	120 RPM and over			
		Corrn:	0.0	- 0.5	0.0	+ 2.0
		Speed:	106 RPM to 119 RPM incl.			
		Corrn:	- 0.5	- 1.0	- 0.5	+ 1.5
		Speed:	105 RPM and under			
		Corrn:	- 1.0	- 1.5	- 1.0	+ 1.0

FATHOM SCALE

2 May - 0231 19 May		CORRECTORS TO 0.1 FATHOM				
		Speed:	108 RPM and over			
		Corrn:	0.0	- 1.0	0.0	+ 1.8
		Speed:	107 RPM and under			
		Corrn:	- 0.1	- 1.1	- 0.1	+ 1.7
<hr/>						
1210 19 May - 20 September		CORRECTORS TO 0.1 FATHOM				
		Speed:	108 RPM and over			
		Corrn:	0.0	- 0.7	+ 0.2	+ 1.7
		Speed:	107 RPM and under			
		Corrn:	- 0.1	- 0.8	+ 0.1	+ 1.6
		CORRECTORS TO 0.2 FATHOM				
		Speed:	All Speeds			
		Corrn:	- 0.2	- 0.8	0.0	+ 1.6
		CORRECTORS TO 0.5 FATHOM				
		Speed:	All speeds			
		Corrn:	0.0	- 1.0	0.0	+ 1.5

Comp: JEW
Ck: NET
WRK

FATHOM SCALE

Fath. No.	Date	Scales:	A	B	C	D
132 SG	23 September 15 December	Speed:	CORRECTORS TO 0.1 FATHOM			
		Corrn:	108 RPM and over			
		Speed:	+ 0.1	- 0.3	+ 1.3	+ 3.1
		Corrn:				
		Speed:	CORRECTORS TO 0.2 FATHOM			
		Corrn:	107 RPM and under			
		Speed:	0.0	- 0.4	+ 1.4 ²	+ 3.0 ⁰
		Corrn:				
		Speed:	CORRECTORS TO 0.5 FATHOM			
		Corrn:	All speeds			
		Speed:	0.0	- 0.4	+ 1.2	+ 3.0
		Corrn:				
205 (SNC-1) Visual & Chart	2 May - 15 December	Speed:	CORRECTORS TO 0.5 FATHOM			
		Corrn:	All Speeds			
		Speed:	All Scales: 0.0			
		Corrn:				

Comp: JEF
Ck: WRK

VELOCITY CORRECTION

TEMPLATES

SURVEYS: Chart 1007; H-6548; H-7819 (10748); H-7820 (10848);
 H-7793 (10948); H-7821 (20149); H-7871 (10150);
 H-7872 (20150); H-7873 (20250).

PERIOD: 12 September through 15 October 1950

DEPTH Fathoms		TEMPLATE Meters per second
From	To	
00.0	91.2	1530
91.3	278	1515
279	and deeper	1500

PERIOD: 14 October through 30 November 1950

DEPTH FATHOMS		TEMPLATE Meters per second
From	To	
00.0	107.5	1530
107.6	255	1515
256	and deeper	1500

PERIOD: 6 December through 15 December 1950

DEPTH Fathoms		TEMPLATE Meters per second
From	To	
00.0	83.5	1530
83.6	212	1515
213	555	1500
556	980	1485
981	and deeper	1500

The statement below applies equally to H 7820 Hy 10848, except that the NMC fathometer was not used on this sheet.

In the report for sheet H 7819 Hy 10748 we find in H Page 5 the following:-

"In computing the correctors for use with the templates on the 808 graphs a mean setting of 2 fathoms was used. The correctors as shown on the bottom of the 808 fathograms should be set off from this value".

This caused us a great deal of confusion because it says that the correctors on the templates should be set off from the two fathom line on the profile - not the zero line. This gave discrepancies of two fathoms when crossing lines where the depths had been corrected by the conventional means of applying all corrections in the sounding record. Also, when soundings read from the profile (on lines not recorded according to usual custom) all corrections including velocity were applied arithmetically, the reduced soundings varied by two fathoms from soundings scanned with the template when the correctors were set off from the two fathom line of the profile.

It was evident that to obtain graphically the same result as obtained arithmetically the template correctors would have to be set off from the zero line of the profile.

Before proceeding with plotting this was discussed with Captain Anderson and with Commander Lushene who assisted in the derivation of the corrections. Altho neither could answer from memory, they were inclined from the reading of the text of the report to say that the template correctors should be applied to the two fathom line. After making tests of results obtained this way and after examining the corrections they agreed that 808 correctors on the template should be applied to the zero line of the profile.

The "fish" is set two fathoms below water line of the ship. The initial is set at the two fathom mark.

If the original statement was correct this two fathoms would have to appear in the corrections to make the depths true. But there is no two fathom draft correction applied. Small variations in draft and variations in the initial line appear in the corrections.

We conclude that the proper point at which template correctors should be applied is the zero line - not the two fathom line of the 808 profiles. All the above concerns the 808 graphs.

~~There is no ambiguity concerning the NMC 1 graphs.~~

~~The "fish" is set at two fathoms draft.~~

~~The initial line is set at zero so the profile records depths below the "fish", not from the surface.~~

~~No initial variations occur in the NMC 1 corrections.~~

~~A correction of +2 fms. draft correction is included.~~

~~Hence NMC 1 template correctors should be applied at the initial line regardless of its variation from the zero line.~~

Bank.

See depth of 26.5 fathoms at ϕ 27 ⁴ ~~43.7~~ ^{43.2} λ 84 10.2 ⁵

Least depth of 25.5
fms in lat. 27° 46.8'
long. 84° 09.7'

Memo Chf. Div. O S of 29 Oct. 1952.

Instructions to drop fractions of soundings in depths over eleven fathoms were received after sheet was partly plotted.

Peculiar bottom.

On the fathograms note the character of the bottom

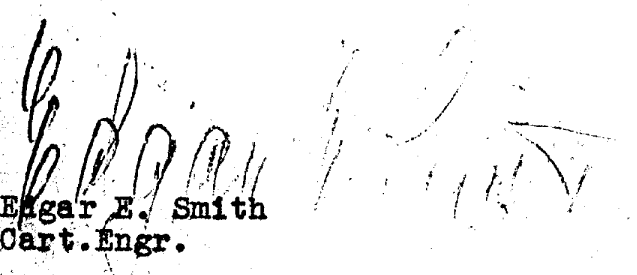
at ϕ 27 27 λ 84 28 Pos. 18 EA, 21 EA, 50-54 EA, 17-20 GA, 86-88 BB

at ϕ 27 35 λ 84 30 Pos. 35 Y, 25 EA | assumed to be coral-top of trace read.

and other places.

The bottom has the appearance of marine growth. It may be coral. It covers extensive areas as shown by adjacent and cross lines.

We would appreciate comments on these features, accompanied by photostats of the fathograms. (See Director's letter dated 2-16-53)


Edgar E. Smith
Cart. Engr.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
USC&GSS HYDROGRAPHER, BOX 1259
ST. PETERSBURG 1, FLORIDA

POST-OFFICE ADDRESS:

TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

13 March 1951

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

Subject: Status of Processing of Records on Survey H-7820

The boat sheet, sounding volumes, descriptive report and related records, for Survey H-7820 (HY-10848) are being forwarded to you under separate cover. This survey has been completed.

Personnel aboard the Ship HYDROGRAPHER have completed the processing of the records as indicated. This sheet was used to try the new method of recording as instructed by the Director. The records have been divided into two parts.

Under the old system prior to 16 September 1950:

- Volumes 1 to 10, incl.*
1. All fathograms scanned and check scanned under officer supervision.
 2. All sounding correctors entered and checked. The soundings have been reduced but (not) checked.
 3. All EPI correctors entered and checked. The corrected distances have been computed and checked. - *in books*

Under the new system after 16 September 1950:

- Volumes 11, 12, & 13*
1. Abstract of correctors prepared and checked.
 2. Velocities computed and checked.
 3. The correct template to be used indicated on the fathogram.
 4. Correctors entered and checked on bottom of fathograms.
 5. EPI correctors entered and checked on plotting abstracts. The corrected distances have been computed and checked.

Jack C. Sammons
Jack C. Sammons
Commander, USC&GS
Commanding Ship HYDROGRAPHER

cc: Director

See.

STATISTICS FOR HYDROGRAPHIC SURVEY H-7820 (1950)

Volume Number	Day Letter	Date 1950	Number of Positions	Statute Miles of Soundings
1	A	20 July	13	19.2
1	B	21 July	6	12.1
1	C	25 July	37	62.7
1 & 2	D	26 July	80	144.2
2 & 3	E	27 July	134	256.5
3 & 4	F	28 July	125	241.8
4	G	29 July	49	93.8
4	H	9 Aug.	27	44.3
4 & 5	J	10 Aug.	138	254.2
5 & 6	K	11 Aug.	52	102.3
6	L	16 Aug.	45	82.8
6 & 7	M	17 Aug.	45	87.2
7	N	23 Aug.	39	72.8
7 & 8	P	24 Aug.	89	172.0
8	Q	25 Aug.	59	108.8
8 & 9	R	26 Aug.	114	210.4
9 & 10	S	13 Sept.	103	188.6
10 & 11	T	14 Sept.	83	152.6
11	U	18 Sept.	31	56.9
11	V	19 Sept.	144	282.6
11	W	20 Sept.	34	55.4
11	X	25 Sept.	29	38.0
11	Y	28 Sept.	67	123.8
11	Z	29 Sept.	144	251.5
11	AA	30 Sept.	35	63.5
11	BA	4 Oct.	43	78.5
11	CA	5 Oct.	136	238.4
11	DA	6 Oct.	77	125.7
11	EA	8 Oct.	55	91.5
11	FA	9 Oct.	15	29.3
11	GA	12 Oct.	77	138.7
11	HA	13 Oct.	48	92.7
11	JA	24 Oct.	32	52.9
11	KA	25 Oct.	33	62.6
11	LA	26 Oct.	45	82.8
12	MA	27 Oct.	50	81.4
12	NA	1 Nov.	59	102.6
12	PA	2 Nov.	43	81.2
12	QA	8 Nov.	43	77.0
12	RA	9 Nov.	59	103.5

SUBTOTAL

2,537

4,616.8

STATISTICS (Cont.)

Volume Number	Day Letter	Date 1950	Number of Positions	Statute Miles of Soundings
12	SA	10 Nov.	101	187.0
12	TA	11 Nov.	46	86.6
12	UA	14 Nov.	22	43.4
12	VA	15 Nov.	95	154.4
12	WA	16 Nov.	19	28.7
12	XA	24 Nov.	23	25.9
12	YA	25 Nov.	13	20.7
12	ZA	27 Nov.	38	65.4
12	AB	28 Nov.	144	249.1
12	BB	29 Nov.	132	229.2
12	CB	30 Nov.	37	62.8
12 & 13	DB	13 Dec.	105	187.0
13	EB	14 Dec.	60	110.9

TOTAL

3,372

6,067.9

NUMBER OF SIMULTANEOUS COMPARISONS

44

NUMBER OF TEMPERATURE & SALINITY OBSERVATIONS

15

TOTAL AREA SURVEYED 4,060 Square Statute Miles

7820

TIDE NOTE

Tide Station: Tampa Bay Florida Primary (St. Petersburg, Fla.)
Latitude: 27° 46'
Longitude: 82° 38'
Plane of reference: Mean Low Water
Time correction: Minus two and one half (2½) hours
Height correction: None

The value of the observed hourly heights and the highs and lows were furnished this party by the Washington Office. Time and height corrections were applied in the field as indicated in the Director's letters of 13 January 1949, reference 36-tmo; 4 October 1949, reference 36-rcb and 13 September 1950, reference 36-rcb.

H 7820
Hy 10848

List of geographic names
penciled on smooth sheet.

Gulf of Mexico

RHC

TIDE NOTE FOR HYDROGRAPHIC SHEET

~~DIVISION OF COAST AND SURVEYS~~

11 February 1953

Division of Charts: R. H. Carstens

Plane of reference approved in 13
volumes of sounding records for

HYDROGRAPHIC SHEET 7820

Locality West of Tampa Bay, Florida

Chief of Party: G. L. Anderson in 1950
Plane of reference is mean low water, reading
3.3 ft. on tide staff at St. Petersburg
5.4 ft. below B. M. 4 (1925)

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

NOTE: Tide reducers were verified by using a time
correction of $-2\frac{1}{2}$ hours at the working ground.

Condition of records satisfactory except as noted below:

E. C. McKay
Section of Tides

Chief, Division of Tides and Currents.

GEOGRAPHIC NAMES

Survey No. H-7820

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K
Florida			(for title)						1
Gulf of Mexico			(" ")						2
Tampa Bay			(" ")						3
									4
									5
									6
									7
									8
									9
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									25
									26
									27

Names approved
2-6-51.
L. Hock

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. H-7820..

Records accompanying survey:

Boat sheets 1...; sounding vols. 13....; wire drag vols.; bomb vols.; graphic recorder rolls 15...; special reports, etc. 1 Smooth Sheet; 1 Cahier-EPI Abstracts; 1 Descriptive Report;.....

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

	Prelim.	
Number of positions on sheet	3372	3372
Number of positions checked	60	10
Number of positions revised	1	0
Number of soundings revised (refers to depth only)	40	20
Number of soundings erroneously spaced	—	—
Number of signals erroneously plotted or transferred	—	—
Topographic details	Time	—
Junctions	Time	2 12 E
Verification of soundings from graphic record	Time	1 18

Prelim. Verif. D.R. Engle
 Verification by... B.T. Davis..... Total time 1 13... Date 4-9-53
 8-31-71

Reviewed by Aug Jeschke..... Time 27 Date 4-23-53

Review 5 hrs
Aug K. Myers Time 8 hrs Date 6-18-73
 Addendum 2 hr 10/11/74
 Scrap Catkins

H 7820
Hy 10848

Gulf of Mexico.

Processing Office Notes.

Smooth sheet.

The smooth sheet was prepared in Washington. Apparently a smaller scale sheet was made first which was then reproduced on a larger scale by photo or lithograph or other process. Other EPI arcs were added in color later. The sheet came to Seattle from the Norfolk Processing Office.

Control.

Only the green distance arcs centered on EPI D and the red ones centered on EPI CC were used for the control of sounding lines. Other arcs on the sheet were not used.

Buoys.

Along the eastern edge of the sheet surveying buoys 35, 34, 38 & 39 were placed. Buoy 36 was on the western edge. GP's were not furnished for these buoys but they appear on the boatsheet. Usually the sounding line was not tied to the buoy. As the ship approached a buoy it would break line and encircle the buoy while reading EPI distances to test for variation in the calibration of the equipment.

The data obtained at these buoys during the 1950 season were not supplied to the processing office, and neither were they needed. The field party supplied the EPI corrections and also entered them in the records.

Plottable references were made to buoys 34, 35 & 36 a few times. The lines in the vicinity of the buoys seem to indicate that the ship headed directly towards, or away from, the buoy when in the vicinity.

Surveying buoys were removed as the work was finished.

Soundings plotted directly from the fathograms. (except where reducers are entered in sdg. volumes.)

Before reading these soundings the profiles were spaced off between position lines by small pencil marks on the graphs. The soundings were read by bringing these marks into coincidence with the arc of the correction template. In this way the verifier can check the same readings.

Crossings.

Good.

EPI Lines.

The lines in general are good. We understand that the EPI apparatus was experimental when used on this project. The lines seem as regular as those of more recent surveys on the same scale and we feel confidence in the positions. There has been no difficulty in plotting them.

DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF HYDROGRAPHIC SURVEY

REGISTRY NO. H-7820

FIELD NO. HY-10848

Florida, Gulf of Mexico, West of Tampa Bay

Project No. CS-328

Surveyed in July - December 1950

Scale 1:100,000

Soundings:

Control:

808 Fathometer

E.P.I.

Chief of Party - G. L. Anderson

Surveyed by - G. L. Anderson, J. P. Lushene, J. E. Waugh,
E. E. Jones, N. E. Taylor and W. R. Kachel

Protracted by - C. R. Lehman

Soundings plotted by - C. R. Lehman

Preliminary verification by - D. R. Engle

Verified and inked by - B. H. Qualls

Reviewed by - I. M. Zeskind, 23 April 1953

Inspected by - R. H. Carstens

1. Shoreline and Control

No shoreline falls within the limits of this offshore survey.

The source of the control is adequately described in the Descriptive Report.

2. Sounding Line Crossings

Depths at crossings are in good agreement.

3. Depth Curves and Bottom Configuration

The usual depth curves were adequately delineated.

The survey covers a portion of the Continental Shelf and Slope in the Gulf of Mexico west of the entrance to Tampa Bay. In the northwest portion of the survey, a ridge about 10 miles long and 2 miles wide, rising 10 to 30 ft. above the surrounding area is delineated by the 30-fm. curve. Except for this feature, the bottom is generally smooth.

4. Junctions with Contemporary Surveys

Adequate junctions were effected with H-7819 (1950) on the west, with H-7679 (1948-49) on the northwest, and with H-7749 (1948-49) on the north. Project surveys on the north-east, east and south have not as yet been received in the Washington Office. Their junctions will be considered in the reviews of those surveys.

5. Comparison with Prior Surveys

H-483 (1854-55)	1:200,000
H-599 (1857-58)	1:200,000
H-1354 (1875-76)	1:600,000
H-2920c (1884)	1:200,000
H-3670 (1914)	1:200,000

A few dead reckoning sounding lines from these small-scale reconnaissance surveys fall within the area of the present survey. A comparison between the prior and present surveys reveals minor differences of 2-3 fms. in depths. These differences are attributed to the dead reckoning control and the improper spacing of soundings. The present survey is adequate to supersede the prior surveys within the common area.

6. Comparison with Chart 1003 (Latest print date 9-15-52)
Chart 1114 (Latest print date 10-6-52)

A. Hydrography

The hydrography originates with advance information of the present survey shown on Bps. 47359-60. Minor differences of 1-4 fms. between the charted depths and soundings on the smooth sheet were noted.

The wreck charted in lat. 27° 35.7', long. 83° 59.5', from H. O. Chart No. 1125 (Bp. 45015) was not specifically investigated on the present survey and is not considered disproved.

Except for the wreck, the present survey is adequate to supersede the charted hydrography within the common area.

B. Aids to Navigation

There are no aids to navigation within the limits of the present survey.

7. Condition of Survey

a. The survey has been given only a preliminary verification

in accordance with recently adopted procedure. A complete statement concerning the condition of the survey will be made after the survey has been completely verified.

- b. The Descriptive Report is complete and comprehensive.
- c. The preliminary verification revealed no inaccuracies in the smooth plotting.


8. Compliance with Project Instructions


The present survey adequately complies with the Project Instructions.

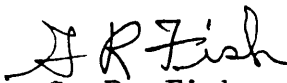
9. Field Work Recommended

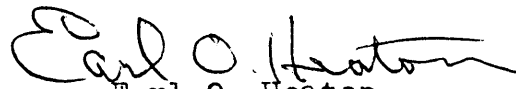
This is a very good basic survey and requires no additional field work.

Examined and approved:


H. R. Edmonston
Chief, Nautical Chart Branch


H. Arnold Karo
Chief, Division of Charts


G. R. Fish
Chief, Section of Hydrography


Earl O. Heaton
Chief, Division of Coastal Surveys

OFFICE OF MARINE SURVEYS AND MAPS

MARINE CHART DIVISION

ADDENDUM TO HYDROGRAPHIC REVIEW H-7820 (1950)

Verification and inking completed by.....B. T. Davis
Curves inked by.....B. T. Davis
Review addendum by.....G. K. Myers
Date: 6/18/73
Inspected by.....R. H. Carstens

The verification of this survey has been completed. Soundings and depth curves have been completely inked and junctions made.

1. Condition of the Survey

- a. The field plotting is adequate and conforms to the requirements of the Hydrographic Manual.
- b. The Descriptive Report is complete and comprehensive.
- c. The sounding records were complete.
- d. The smooth plotting was accurately done.

2. Junctions

Adequate junctions were effected with H-7679 (1948-49) on the northwest, H-7749 (1948-50) on the north, H-7792 (1948-50) on the northeast, H-7793 (1948-50) on the east, H-8013 (1952-54) on the southeast, H-8014 (1952-53) on the south, H-7871 (1950) and H-7821 (1950) on the southwest, and H-7819 (1950) on the west.

3. Comparison with Chart


Chart 1003 (latest print date 1-20-73)
Chart 1114 (latest print date 1-20-73)

A. Hydrography

The charted hydrography originates with the boat sheet (Bps 47359-60) and the preliminary verified and reviewed smooth sheet of the present survey.

The wreck charted at lat. 27°36.00', long. 83°37.00' originates with Chart Letter No. 1093, 1969 subsequent to the present survey and should be retained on the chart.

A comparison between the present survey and the chart reveals no important differences, except as noted in the review.



Chief, Marine Chart Division

85°

(CONTINUED ON CHART 1003)

84°

83°

237

DISUSED
EXPLOSIVES
DUMPING
AREA

7820

(chart 1114)

DIAPHON
SW WHISTLE
ECHOIT W
Anna M

G U L F O F M E X I C

Chart-1002

