

# 4859

Diag. Cht. No. 1218-2 & 1219-2

Form 504	
DEPARTMENT OF COMMERCE	
U. S. COAST AND GEODETIC SURVEY	
....., Director	
<div style="border: 1px solid black; width: 100px; height: 80px; margin: 0 auto;"></div>	
State: New Jersey	
DESCRIPTIVE REPORT	
<del>Topographic</del> Hydrographic	Sheet No. 4859
LOCALITY	
Cape May	
Hereford Inlet to Cold Spring	
Inlet	
1928	
CHIEF OF PARTY	
R. L. Schoppe	

GOVERNMENT PRINTING OFFICE

# 4859

DEPARTMENT OF COMMERCE  
U.S. COAST AND GEODETIC SURVEY  
E. LESTER JONES, DIRECTOR.

DESCRIPTIVE REPORT

to accompany

HYDROGRAPHIC SHEET #4 4859  
*Cape May Harbor*  
~~GOLD SPRING INLET~~ TO HEREFORD INLET, N.J.

S.S. RANGER

Ray L. Schoppe,  
Chief of Party

1928

DEPARTMENT OF COMMERCE  
U.S. COAST AND GEODETIC SURVEY  
E. LESTER JONES, DIRECTOR

DESCRIPTIVE REPORT

to accompany

HYDROGRAPHIC SHEET # 4

Cape May Harbor

~~COLD SPRING INLET~~ TO HEREFORD INLET, N.J.

S.S. HANGER

Ray L. Schoppe,  
Chief of Party.

1928

DESCRIPTIVE REPORT

to accompany

HYDROGRAPHIC SHEET #4.

AUTHORITY:

Directors orders dated May 23, 1928.

LIMITS:

The inshore area from Cold Spring to Hereford Inlet and including the channel into Hereford Inlet.

CONTROL:

Triangulation and Topographic signals.

Survey Method:

A 22 foot open motor dinghy was used. Handlead was used throughout.

Anneffort was made to locate the low water line by sounding close inshore at time of high water on calm days.

DANGERS:

The area from Cold Spring Inlet northward to longitude 74° 48' is clear throughout. However the channel and depths are continually changing in Hereford Inlet on account of northeast storms.

Shoal water makes out considerably further offshore than usual at the south approach to the inlet. This must be avoided in approaching the channel from the southward.

HEREFORD INLET:

Several lines were run in the buoyed channel into Hereford Inlet. A least depth of  $4\frac{1}{2}$  feet was obtained in the channel. However this is said to vary from time to time on account of the storms.

There appears to be another channel to the northward but it is unmarked and is very little used and then only by local small boats coming from Stone Harbor.

There is also a large area in the middle of the Inlet that bares at low water.

The following prominent objects make excellent landmarks for entering Hereford Inlet. Hereford Inlet Coast Guard Station flagpole and the brown cupola of the old abandoned Coast Guard Station (signal CUP).

Currents are very strong in the vicinity of Cold Spring Inlet.

Respectfully submitted.

*W.M. Gibson*

W.M. Gibson,  
Jr. H. & G. Engineer.

*Approved, Forwarded  
Ray E. Kellogg  
Chief of Party.*

STATISTICS SHEET #4

COLD SPRING INLET TO HEREFORD INLET, N.J.

Date	Letter	Vol.	Miles	Sigs.	Pos.	Boat.
8-16-28	a	1	9.2	586	67	Motor Dinghy
9-11-28	b	1	18.9	1501	159	" "
10-4-28	c	2	16.0	987	141	" "
10-8-28	d	2	10.2	742	120	" "
10-8-28	d	3	6.8	292	49	" "
10-10-28	e	3	18.4	957	184	" "
			79.5	5065	720	

Apr. 10, 1929.

Division of Hydrography and Topography:

Division of Charts:

Tide Reducers are approved in  
3 volumes of sounding records for

HYDROGRAPHIC SHEET 4859

Locality: Cape May, New Jersey.

Chief of Party: R. L. Schoppe in 1928

Plane of reference is Mean low water, reading  
2.3 ft. on tide staff at Cold Spring Inlet (C. G. Sta.) N. J.  
~~XXXXXXXXXXXX~~

Condition of records satisfactory except as checked below:

1. Locality and sublocality of survey omitted.
2. Month and day of month omitted.
3. Time meridian not given at beginning of day's work.
4. Time (whether A.M. or P.M.) not given at beginning of day's work.
5. Soundings (whether in feet or fathoms) not clearly shown in record.
6. Leadline correction entered in wrong column.
7. Field reductions entered in "Office" column.
8. Location of tide gauge not given at beginning of day's work.
9. Leadline corrections not clearly stated.
10. Kind of sounding tube used not stated.
11. Sounding tube No. entered in column of "Soundings" instead of "Remarks".
12. Legibility of record could be improved.
13. Remarks.

Paul C. Whitney

Chief, Division of Tides and Currents.

## Section of Field Records

Report on Sheet No 4859  
Chief of Party R. L. Schoppe  
Protracted by E. E. Morris  
Verified and Inked by J. T. Walker

Surveyed in 1928  
Surveyed by R. C. Otterton  
and W. M. Gibson  
Soundings plotted by  
E. E. Morris.

The sounding records were neatly kept and were complete except that very few bottom characteristics were given.

The protracting was well done. Some of the positions found off were swingers, the rest were due to wrong setting of the protractor or wrong signals.

The soundings were well plotted. However, all the fractions were plotted. As there was no reason for plotting this sheet in half feet all the fractions were omitted when the sheet was inked.

The sheet was received clean and legible.

The drafting conformed to General Instructions.

Reviewed by

Date

Respectfully submitted  
J. T. Walker

Section of Field Records  
Report on Hyd Sheet No 4859  
Hereford Inlet to Cape May Harbor, New Jersey  
Surveyed in 1928

Instructions dated May 23, 1928 (Ranger)

Chief of Party - R. L. Schoppe  
Surveyed by - R. C. Overton, H. M. Gibson  
Protracted and plotted by - G. E. Morris  
Verified and inked by - J. T. Walker

1. The records conform to the requirements except that practically no bottom characteristics were recorded.
2. The plan and character of development conform to the requirements of the General Instructions.
3. The plan and extent of the survey satisfies the specific instructions.
4. Only a few cross lines were run. These cross satisfactorily.

5. The information is sufficient for drawing the usual depth curves.
6. The junction with H. 4870 and H. 4875 is satisfactory. When these sheets are completed the overlaps will be made on this sheet (H. 4859)
7. The usual amount of field plotting was well done except that fractions of a foot were used instead of whole feet.
8. Character and scope of surveying - good.
9. No additional work is necessary

Reviewed by R. L. Johnston

May 9, 1929.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4859

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.

Field No. 4

REGISTER NO. 4859

State New Jersey

General locality Cape May

Locality Hereford Inlet to Cape May Harbor  
~~Cold Spring Inlet to Hereford Inlet~~

Scale 1/10,000 Date of survey Sept. Oct., 192 8

Vessel RANGER

Chief of Party R.L. Schoppe

Surveyed by R.C. Overton - W.M. Gibson

Protracted by G.E. Morris

Soundings penciled by G.E. Morris

Soundings in ~~feet~~ feet

Plane of reference M.L.W.

Subdivision of wire dragged areas by

Inked by J.W. Walker

Verified by J.W.

Instructions dated May 23, 192 8

Remarks:

Field Records Section (Charts)

HYDROGRAPHIC SHEET No. 4859

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

Number of positions on sheet . . 720  
Number of positions checked . 152  
Number of positions revised . . . 7  
Number of soundings recorded . 5065  
Number of soundings revised . . 93  
Number of signals erroneously  
plotted or transferred . . . . . 0

Date: May 2, 1929  
Cartographer: J. Walker