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# 3183

U. S. GEOLOGICAL SURVEY  
LIBRARY AND ARCHIVES  
SEP 2 1910  
R&S 174

Diag. Ct. No. 1208-2 & 1218-2

Department of Commerce and Labor  
COAST AND GEODETIC SURVEY

Superintendent.

State: *Delaware*

DESCRIPTIVE REPORT.

*Hyd.* Sheet No. *3183*

LOCALITY:

*Delaware Bay - Little  
Creek to Lipsic Creek*

1910

CHIEF OF PARTY:

*R. S. Patton*

3183

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C. & G. SURVEY,  
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COAST  
GEODETIC SURVEY

SEP 26 1910

REFERRED TO

Assistant in Charge

## Descriptive Report of Hydrography

Sixth Creek to Sipai Creek, Selawan Bay

Extracts from the instructions in conformity with which this work was done, read as follows:

"You will please execute hydrography on the west side of Selawan Bay, beginning at latitude 39-09, and extending as far northward as there is a marked change in the shoreline as shown by the topography.

"The lines of soundings are to be run parallel with the shore, and to be spaced about two hundred meters apart. The work is to develop the 6 and 12 foot curves."

A comparison of the new topographic survey with the original shows that north of Sipai Creek the change in the shoreline was slight; Sipai Creek was therefore chosen as the northern limit of the work.

The soundings show a flat, regular bottom of almost uniform depths and where the depths do vary, it is evenly and gradually. In only two places were sudden changes in depths noted, and in each case additional lines were run over the area in question, to determine the least depths.

A tide gauge was set up in Sungai Peris, near Bonlay Hook Light, and tides taken during the period the hydrography was in progress. This station was at considerable distance from the work, but it was the only station as here described.

was furnished me, when the original bench marks still remained.  
One old bench mark was recovered, and two new ones established.

• C The following are the statistics of the work:

Total number of soundings: 3833

" " " angles 878

" " " miles 99.5

Respectfully submitted.

A. S. Patton,

Asst. Co. S. Survey.

V.E.C.  
Oct. 10, 1910.

# 3183

HYDROGRAPHIC SHEET NO. 5183.

*deduct*  
*HB*  
*10/10/10*

Little Creek to Liepsic Creek, Delaware Bay,  
Delaware, by Asst. R. S. Patton in 1910.

### TIDES.

	Bombay Hook Light
	ft.
Mean low water, or plane of reference on staff	-0.2
Lowest tide observed " "	-0.9
Highest " " " "	6.8
Mean range of tide	6.0

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Coast and Geodetic Survey  
OCT 10 1910  
TIDAL DIVISION

# 3183

Hyd Sheet No. 3183

Oct. 26 1910

This survey is incomplete. Cross lines should have been run and the work carried to the eastward until the 12 ft curve was fully developed. No area can be properly developed by a single system of parallel lines which follow the general trend of the curves.

H. L. Simmons

