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SEP 2 1910
STATISTICAL BUREAU
LIBRARY AND ARCHIVES
SEP 2 1910
Act

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent.

State: *Delaware*

DESCRIPTIVE REPORT.

Top Sheet No. *3088*

LOCALITY:

*Delaware Bay - Deep
point to Bombay Hook
light*

1906

CHIEF OF PARTY:

R. S. Patton

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Descriptive Report.

U. S. GEOLOGICAL
SURVEY, LIBRARY AND ARCHIVES

SEP 2 3 1910

To accompany Topographic Sheet

Deep Point to Bombay Hook Light, Delaware Bay.

The area included in this sheet extends from Deep Point, lat. $39^{\circ}12'$ to Bombay Hook Light, lat. $39^{\circ}22'$.

Throughout this entire region the country adjacent to the bay is low, flat and marshy; the marsh extending inland a distance of from $\frac{1}{2}$ to $1\frac{1}{2}$ miles, when it gives place to a scattering, irregular forest growth. In two places, only; at Bombay Hook Point, and at Woodland Beach there are small wooded areas near the shore.

For about a mile on either side of Bombay Hook Point, the shore has a narrow fringe of sand beach, with the marsh just beyond. With this exception, there is no beach; the marsh extending into the water, usually with a few miles' width submerged.

There are no towns along this coast; in fact, the country is practically uninhabited. The chart shows a wharf and a railroad at Woodland Beach, but the railroad no longer exists, and the inner end of the wharf has carried away, giving it no connection with the land. In fact, the only means of reaching Woodland Beach at present is by boat; the marshy estuary back of it seems to be steadily encroaching upon the land; it has cut through the road which formerly led to Smyrna, and in one place, shown on the topographic sheet, about $1\frac{1}{2}$ miles up the coast from Woodland Beach it has cut through the marsh, forming a

channel about 100 meters wide connecting the estuary and the bay. I was told that at present one may enter the estuary at Sengma River, and come out at Sipsai Brook.

The instructions under which this work was done, required me to pay particular attention to the location of such prominent objects as might be of use to the navigator. But there are no such objects to be located. The ones here given are the most conspicuous, but they are all so small as to be of no use to the navigator, although they might be used in locating bays or other aids to navigation:

(11) Windmill; lat. $39-14+114$; long $75-24+1378$

An iron framed, skeleton windmill standing on the marsh between two small unpainted buildings.

(5) Sone house: lat. $39-17+895$; long $75-26+44$.

This is an unpainted 1½ story house standing near the beach. There are two small outbuildings back of it. No other houses in the vicinity.

(6) Pavilion, Woodland Beach; lat. $39-19+1814$; long $75-28+470$

The pavilion is low, but it is the most conspicuous object in the vicinity, as all the other buildings are hidden by the trees.

Respectfully submitted,

R. S. Patton,

Asst. B. & S. Survey.

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Geographic Positions of Permanent Points.

Deep Point to Bombay Hook Light, Delaware Bay.

Object	Latitude	Longitude	Brief Description
1. Windmill	39 14 114	75 24 1378	Iron Framework.
2. o Front	39 14 1382	75 24 270	Frame on tall pole: probably USE Δ
3. o Mid.	39 14 1400	75 24 780	Leipsic Creek Front Range Light
4. o Rear	39 14 1437	75 24 930	" " Rear " "
5. Lone House	39 17 895	75 26 44	Unpainted; 1/2 storey - center
6. Pavilion	39 19 1814	75 28 470	Center of roof

For a fuller description of these points, see description report.