<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Topographic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No.</td>
<td>2513</td>
</tr>
<tr>
<td>Office No.</td>
<td>2514</td>
</tr>
</tbody>
</table>

**Locality**

<table>
<thead>
<tr>
<th>State</th>
<th>Maryland</th>
</tr>
</thead>
<tbody>
<tr>
<td>General locality</td>
<td>Thaapeake</td>
</tr>
<tr>
<td>Locality</td>
<td>Bay</td>
</tr>
</tbody>
</table>

**1920**

**Chief of Party**

F. F. Weld

**Library & Archives**

**Date**
U.S. COAST AND GEODETIC SURVEY.

H. S. Pritchett, Superintendent.

State:  Md

DESCRIPTIVE REPORT.

Topic:  Sheets Nos. 2513, 2514

Sheet 101

No. 19. TREASURY DEPARTMENT

Cheasapeake Bay from Poplar Island to Tutka
mains Island, and
the Cheaptown River from Tutka mains Island to
Oxford,  Scale 1:20,000

Surveyed July 1, 1907.

Topography by
E. B. Tatsch
J. F. Weld.

J. F. Weld,
Taking

2495
Feb. 2, 1901.

Mr. C. F. Tittmann,

Superintendent U. S. Coast and Geodetic Survey,

Washington, D. C.

Sir:

I have this day returned to the Archives topographic sheets numbers 2494-2495-2513-2514, part of the resurvey of Chesapeake bay. I have checked and transferred the topographic features on these sheets.

On sheets numbers 2513 and 2514 the roads, limits and fence lines were largely transferred from the original sheets of the survey of Chesapeake bay during 1849 and 1846. The shore line and such topographic features as could be delineated from stations occupied in running the shore line were resurveyed. The main road from Claiborne to Easton, as resurveyed by Mr. Penn in 1899 and 1900, was transferred to this sheet. Tracings were made from the original sheets and, with the projections, compared with the new work and any discrepancies were noted. Accepting the new work as correct, an adjustment of the topography was made and the topography shown is an adjustment between the shore line as resurveyed, Mr. Penn's roads and the transfer from the original sheets. The sheet is left in pencil, except the shore line and a few roads and houses, pending an inspection and acceptance of the topography. Such an inspection, I understand, is contemplated during the coming spring or summer.
On sheet number 2494 most of the topographic features were transferred by Mr. F. F. Weld; the remaining parts of the topography were transferred, but no adjustment of the discrepancies was attempted except as mentioned below.

On sheet number 2495 all the interior topographic features were transferred and that portion of the sheet joining sheet number 2494 was adjusted to agree with the original work of 1847 and 1848 and that on sheet number 2494.

The whole of sheets 2494 and 2495 was left in pencil, pending the inspection and acceptance mentioned above.

Respectfully yours,

[Signature]

Assistant.
Scale 1:20,000 Surveyed July-Nov. 1900.

This sheet embraces the Chesapeake Bay shore from York Point just below Poplar Island to the South end of Zieglerman's Island, thence all of the northern shore of the Great Choptank River to Oxford.

Practically all the shore line upon the sheet was surveyed by the plan table, with the exception of some of the small coves on the third arm River which were transferred from the original sheet January 8, 1847.

On the bay shore and at several points on the river considerable change was found in the shore caused by the washing of clay banks. In some protected places it appeared practically unchanged. Long or Nelson's Point has been cut off by the action of the waves and now forms a small island, between which and the mainland small crabs boats come and go at high tide. Curiously in no case do new points seem to be forming.

Small schemes of triangulation were carried up Harris Leah, Broad Creek, and the Ford Arm Rivers as far as practicable, some 4 or 5 miles.
In the more thickly populated sections the roads were seen and buildings located. In other sections the roads were drawn over and any changes in physical features were noted upon a tracing of the original sheets of the survey of 1847. This revised topography was then transferred to the new sheet. This work could be done very rapidly and to a degree of accuracy entirely sufficient for the scale of publication.

Practically all of the work, both triangulation and topography, in Harris and Broad Creeks, and the ford沟通 River was done by Capt. E.B. Latham. The rest of the sheet was done by the Chief of Party.

A supplemental sheet gives the heads of Harris Creek and Broad Creek.

Respectfully submitted,

F. F. Welch,
Chief of Party.
Descriptive Report to accompany Topographic Sheet number.

This report is a part of the survey of Chesapeake Bay, and the sheet embraces that part of the eastern shore of the Bay beginning at Tilghman Island and extending up the Choptank River and its tributaries, Harris, Grana and Foredown Rivers, to Oxford and Easton, Maryland. The shore line of Tilghman Island and part of Harris Creek was executed by Mr. J.T. Mela, A.C.S. Engineer, and the remainder of the sheet was executed by myself. Triangulation was begun from the base, Tilghman Island - Cooks Point and extended up the River to near their heads, where a plane table triangulation was made to the heads of River Creeks and Coves.

The country is a sandy one on a foundation of clay. The shore line is much broken by creeks and coves. The recession in exposed parts of the Coast is at the approximate rate of 10 metres per year while in more sheltered portions it is unappreciable. The soil seems to be capable to deep water, no appreciable changes in the depths of...
...are noticeable from a casual observation and from information of local navigators.

The shore line is sandy bluffs, of from 2 to 60 feet in height and low marsh bordered shores, but there is no considerable area of marshes.

The region is fairly well wooded, pine predominating with red cedar and locust in smaller quantities. Trees are from 40 to 80 feet in height. Approximately 50% of the counties is cleared and under cultivation to wheat, corn and fruits. Hogs, cattle and horses are raised. Poultry farming on a small scale is almost universal among the farmers.

The oyster industry is of about equal importance with the agricultural interest. Many natural beds are in the Choptanaw river from which the dredging boat, sail boat of under ten tons, obtain their catch. Both planted and natural beds abound in the Harris, Broad and Tuckernuck rivers, from which the fisher obtains his supply.

Fishing and crabbing are extensively followed. At Easton and St. Michaels are machine shops, flour mills and other manufacturing interest. There are small ship yards at both St. Michaels and Oxford. Tilghmano Island is noted for the excellence of its canoes, both as racing...
and work boats.

The means of transportation are by the B&O Railroad through Easton, Royal Oak at Michael and Slaithbourne, thence by boat to Baltimore, this line has a double daily service during the summer months and a daily service during winter. The Delaware and Chesapeake Railway through Oxford and Easton offers a double daily service to Philadelphia all the year. Two lines of boats touch at Oxford daily from and to Baltimore. A large percentage of the farmers take boarders through the summer months, there is no large summer resort on the sheet.

The country is in a high state of cultivation, will fences and prosperous, there seems no unusual prosperity.

Easton a small city of 5,000 with water works, electric lights etc is the largest town on the sheet, the banking facilities are very good. At Michael and Oxford are the only other towns on the sheet, each having approximately 1000 inhabitants. The short line and hanes with steep topography as Cases to put in from position incidental to running the short line was entirely resurveyed. The interior topography was transferred from the sheets of Mr. Quayle executed in 1847-1848.
this being revised by driving over the roads and noting changes.

Washington, D.C.

January 12, 1901

C.H. Croak

assistant corp. survey
No. 18. TREASURY DEPARTMENT

Mr. Brand-

Is this a Progress Sketch?

(and if so, shall it be returned
the next on receipt?) Or shall
it be considered as a
description of new names to
go with this description report?

J.C.B.

Yes.

\[ B \]

Brand with description report.