Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O.F. Tostmann
Superintendent.

State: Maryland

DESCRIPTIVE REPORT.

Topo Sheet No. 2842

LOCALITY:
W. Shore Chesapeake Bay, Plum Point Southward

CHIEF OF PARTY:
Fred L. Franco
The work was started from triangulation, done by myself. Stations were determined and signals erected which were used for control. Intersection points were determined also being chimneys of houses. The three point problem was resorted to whenever possible. The minor features and differences of elevation were determined by stadia and computed by the use of the hypsograph. The needle was used whenever the nature of the country made it necessary.

All of the permanent features were determined. Soddening was not indicated because it is so abundant and also because it is removed from the land as the fields are used for cultivation. Only marshes which were large enough to be a part of the landscape were indicated. Wet ground in a rainy season is quite abundant but in a dry season the land is quite passable. Such places were not indicated as marshes.
The shore line is quite regular. The general direction is north and south, being nearly a regular curve between Plum Point and Governor's Run. The beach is sandy and slopes off seaward at a very gentle small angle. It is cut off on the land side by abrupt cliffs varying in height from twenty to eighty feet. These cliffs are in most places retreating quite rapidly. Old triangulation points on the cliff edge have been removed as the cliff was eroded by the action of the waves. The cliffs are not continuous but are cut up by runs which come into the bay from the hills. The shore line was run in by me independent of the detailed topography and topography previous to it. The limit of the work done is about two or three hundred yards south of the wharf at Governor's Run.

The topography was done to a west from the shore of about one mile except where it was terminated at a greater distance back by a country road. The country slope in a general direction towards the shore. The soil is quite sandy and has been cut up by the runs into sharp ridges and narrow valleys.
The southward limit of the topography is about a mile south of Derée Wharf.

The main county roads were run in connection with the topography. They were run on a separate sheet to facilitate circuit closures. They were run wherever they came on the projection. The needle was used for orientation and gave good results.

The triangulation and topography was done by myself. The sheet was inked in the office by Mr. H. S. Gamble and was examined afterwards by me.

Respectfully,
Fred L. Franklin

Aid C. & G. Survey.
<table>
<thead>
<tr>
<th>Object</th>
<th>Lat.</th>
<th>D.M.</th>
<th>Long.</th>
<th>D.P.</th>
<th>Remarks</th>
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<td>Beverly Mrs. Carpenter's Ho.</td>
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<td>36</td>
<td>900</td>
<td>76</td>
<td>30 1273 Heights</td>
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<td>33</td>
<td>930</td>
<td>76</td>
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To accompany plan table sheet no. 2872, West shore Chesapeake Bay, Calvert Co. Md. Plan point southward.

Fred L. Tumslee
Aid, C. & G. Survey.
Applied to Chart Comp. 553 Aug. 15, 1942 Helen E. Ewen