

2842



Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O. H. Tittmann
Superintendent.

State: *Maryland*

DESCRIPTIVE REPORT.

Top c Sheet No. *2842*

LOCALITY:

*W. Shore of Chesapeake
Bay, Plum Point
Southward*

190)

CHIEF OF PARTY:

Fred L. Francis

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GEOLOGICAL SURVEY

Descriptive Report to Accompany
 Plane-table Sheet #2842, West Shore of
 Chesapeake Bay, Calvert Co. Md., Plum Point
 Southward.

ASSISTANT CHIEF

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 wherever the nature of the country made it necessary.

All of the permanent features were determined. ~~Schubbery~~ 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 ^{and a hindrance to travel} 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 shoreline is quite regular. The general direction is north and south, being nearly a regular curve between Plum Point and Gouvernor'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 ~~for~~ previous to it. The limit of the work done is about two or three hundred yards south of the wharf at Gouvernor's Run.

The topography was done to a ^{distance} 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 is in a general direction towards the ^{bay} 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 Dare's 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. Franks,
Aid, C. & G. Survey.

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Plane Table Positions

Object	Lat.	D.M.	Long.	D.P.	Remarks.
Belted Mrs. Carpenter's Ho.	38	36	900	76 30	1273 Heights
N.E. Chy. Basford's Ho.	38	36	274	76 31	369 not observed
N. Chy. Wilberr's Ho.	38	36	670	76 31	1404
Chy. F. Buckler's Ho.	38	34	765	76 31	288
N. Chy. Jones' Ho.	38	34	1152	76 31	230
N. Chy. A. Buckler's Ho.	38	33	930	76 31	316

To accompany plane table sheet no. 2842,
West shore Chesapeake Bay, Calvert Co. Ind.,
Plum Point southward.

Fred L. F. ranks

Aid, C. & G. Survey.

Applied to Chart Comp. 553. Aug. 15, 1942. H. S. MacEwen