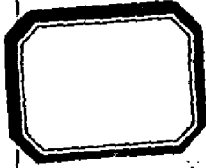


3533



Department of Commerce and Labor

COAST AND GEODETIC SURVEY

Superintendent.

State: _____

DESCRIPTIVE REPORT.

Top. Sheet No. *3533*

LOCALITY:

191

CHIEF OF PARTY:

3533

TOPOGRAPHIC REPORT
ON THE
RESURVEY OF ASSATEAGUE ANCHORAGE
TO ACCOMPANY
TOPOGRAPHIC SHEET NO. 3533.

The revision of the topography of Assateague Anchorage was necessary only at a few prominent points where very evident changes had occurred. The first work done was the resurvey of Fishing Point from the fish factory out around the point and to an intersection with the unchanged shoreline.

The high and low water lines were run from a traverse line which was checked by a three point location at each station, and as shown on the fair sheet these lines joined the old plotted shoreline at some distance from the point.

Besides the shore line of Fishing Point all inshore topography was completed thereon to show the entire fish factory and plant.

The result of the survey here shows that Fishing Point is in a very unstable condition and for the past few years has been making out rapidly in a northwesterly direction. At present the difference between the old and new projected high water lines is about 100 meters, which is increasing now at the rate of almost 100 meters a year, according to the best local information. The northerly trend is not quite so rapid now as the point seems to be widening only. Between the extremity of the point and the fish factory the changes are not very marked except that the whole spit seems to be building up slowly. At high water a great area is flooded and with a spring tide or easterly wind it washes entirely over the spit at numerous places.

On the northern side a resurvey was made of Assateague Point by the same method. This point was found to have washed back apparently 600 meters

and where the old point was there is now only a shoal, dry at low water, and having a slue between it and the new point, through which small boats go in bad weather.

To the westward of the point, Chinooteague Point was found to have made back about 100 meters although still retaining its characteristic features.

On the extreme western shore of the anchorage Gunboat Point was found to be changing in much the same way as Fishing Point. The increased area is nearly all on the tip of the point and at present it is a little more than 100 meters wide. This increase falls away slowly and join the old shore line in the course of a mile or less. As a general thing these increases are continuing at a very even rate and there are no present indications of changes in any other direction.

Respectfully submitted,

Spencer Danby
Aid, U. S. Coast and Geodetic Survey.

Forwarded.

*F. G. Engle
Aid. C. G. S.
Comdg.*

Sta. Po_2 as shown originally on Top 3533 by the intersecting lines of the 3 point location does not agree with Po_2 as plotted on the Boat Sheet v. Hyd = 3774. The position of Po_2 as finally plotted on Top 3533 agrees with that of Hyd = 3774 and its adoption is based on the penciled statement of the chief of the party, which reads as follows:

This (the adopted position of Po_2) is apparently the position of Po_2 as located in from the plane table position marked by intersecting lines of 3 point location and the circle was drawn around the plane table position instead of around the position of Po_2 . This assumption is verified by the position of Po_2 shown on both boat sheets (3774) and relation of certain sounding lines close to shore line.

(Signed) *F. G. Engle* Oct 11/16.