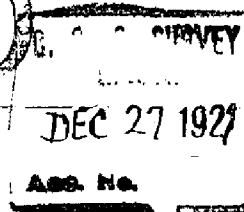


3840



Form 501
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: *California*

11-5813

DESCRIPTIVE REPORT.

Topo Sheet No. *3840*

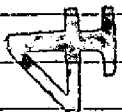
LOCALITY:

Tonalis Bay
Vicinity of Hog Island
& entrance

1921

CHIEF OF PARTY:

F. G. Engle



DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. 3840

State California

General locality Tomales Bay

Locality vicinity of Hog Island to entrance

Chief of party F.G. Engle

Surveyed by Wm. H. Overshiner

Date of survey Aug. - Sept., 1921

Scale 1 - 10,000

Heights in feet above mean lower low water

Contour interval feet.

Inked by W.H.O. . . . Lettered by W.H.O.

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet photo stat copy of original survey.

Remarks:

3840

Descriptive Report

To Accompany Topographic Revision Sheet of
Tomaes Bay, Cal.

T-3940

General Remarks.

This work was done during August and September 1921 under instructions dated July 28, 1921.

Survey Methods.

The hydrographic signals and other prominent objects were first located by cuts from the triangulation stations, the shore line was then run in where it was thought that changes of moment had occurred, starting either from the located signals or from a three point determination

Changes.

The greatest change in the shore line was found between Dillon's Beach and Tom's Point especially in the vicinity of Sand point where it was found that the entire point had moved seaward about 300 meters. This stretch was completely re-run. The stretch south of Arroyo San Antonio was also re-run not because of any great change in the shore line which is mostly rocky but in order to locate the narrow gauge line of the North Western Pacific Railroad and the highway which skirts this coast.

Several small docks and a few buildings were the only changes found on the western side of the bay. The road however that is shown on the old chart as ending on the hill above White Gulch now continues on out the ridge as shown.

Smith's Landing and Muldro City as shown on chart #5618 do not exist at present. Other topographic features as shown on the photostat copy of the original sheet but that do not exist at present were marked so in pencil.

A list of plane table positions of the objects determined by plane table and used in the hydrography is attached.

Respectfully submitted

Wm. H. Overshiner

Wm. H. Overshiner,
Jr. H. & G. E.

Approved

F. G. Engle

F. G. Engle, Com'd'g.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
WASHINGTON

SECTION OF FIELD RECORDS.

REPORT ON TOPOGRAPHIC SHEET No. 3840.

Surveyed in 1921.

1. The records of the sheet failed to include a descriptive report.
2. The plan and character of the work fulfill the requirements of the General Instructions except that the magnetic meridian is not shown. Also in view of the radical changes in shore-line in vicinity of Sand Pt., it is altogether likely that the sand dunes which were formerly as much as 200 feet in height have changed considerably and the contours of this locality should have been determined.
3. The plan and extent of the survey satisfy the specific instructions.
4. The field drafting was completed to the extent prescribed in General Instructions.
5. No further surveying is required within the limits of the sheet, except the contours at Sand Pt. if opportunity offers.
6. The character of surveying and field drafting are good.
7. Reviewed by E. P. Ellis, December, 1921.