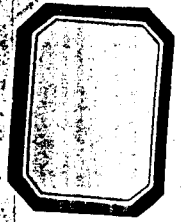


3988

U. & G. SURVEY
L. & A.
FEB 2 1917
Acc. No.

Diag. Chy. No. 5530-4



Form 504

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: *Calif*

11-2013

DESCRIPTIVE REPORT.

Hydro Sheet No. *3988*

LOCALITY:

South Channel
San Francisco
Bay Entrance

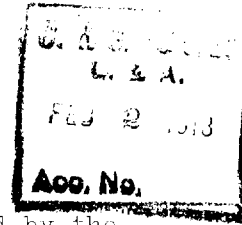
1917

CHIEF OF PARTY:
L. O. Colbart

3988

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET



The finished Hydrographic 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. 3988

State California

General locality . San Francisco Bay Entrance

Locality South Channel

Chief of party . . L. O. Colbert

Surveyed by . . . Wire Drag Party No. 4

Date of survey . . February 1917

Scale . 1/10,000

Soundings in . . . feet

Plane of reference . . mean lower low water

Protracted by field party . Soundings in pencil by field party

Inked by . R. L. G. Verified by . R. L. G.

Records accompanying sheet (check those forwarded):

Des. report, Tide books, Marigrams, Boat sheets,

Sounding books, Wire-drag books, Photographs.

Data from other sources affecting sheet

Remarks:

Descriptive Report

to Accompany Hydrographic Sheet *3988*

South Channel, San Francisco Bay Entrance, California

February, 1917

-oOo-

L. O. Colbert
Hyd. & Geo. Engr., C. & G. Survey.

Descriptive Report

to Accompany Hydrographic Sheet 3988

South Channel, San Francisco Bay Entrance, California.

February, 1917

This sheet covers a small area about 1-1/2 miles west of South Channel buoy No. 4, San Francisco Bay Entrance. In the vicinity of this spot, Captain Westdahl reported that he observed what appeared to be a breaker during a heavy swell. An examination was made in accordance with Superintendent's letter of January 3, 1917.

Two days were spent in sounding in the vicinity indicated, without finding less water than charted. On the first day, there was a very heavy swell, but no breaker could be seen. The swell on this day was so great as to shut out sight of the land at Point Lobos but two miles distant from the deck of the launch, (about three feet above the water line), when in the trough. No breaker was seen and as this condition was unfavorable for obtaining accurate soundings, the work was abandoned early in the day.

The next day, with a smoother sea, the soundings were continued. The soundings obtained failed to show any extensive shoals at this point.

Respectfully submitted,



Hyd. & Geo. Engr., U. S. G. Survey.

ADDRESS
U. S. COAST AND GEODETIC SURVEY
WASHINGTON, D. C.

REFER TO NO.

5-VEC

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

J. S. Shidy
HYDROGRAPHY ETC., (HT)

CHARTS *MP*

LIBRARY

Place with descriptive report
of hydrographic sheet No. *3988*
April 12, 1918

Division of Hydrography and Topography: *HCC*

Drawing Section.

Division of Charts:

Tidal reductions have been approved in
1 volume of Sounding records for

HYDROGRAPHIC SHEET 3988

South Channel, approaches to San Francisco Bay, Cal.
L.O.Colbert in 1917

Plane of reference is
Mean lower low water, reading

5.5 ft.on tide staff at Presidio, San Francisco, Cal.

L. S. Shidy

Acting Chief, Section of
Tides and Currents.

Hyd Sheet No 3988.

Because a breaker had been reported in this vicinity, this work was done to prove or disprove the existence of shoalings or indications thereof. It apparently disproves it, for the depths agree closely with those on the chart.

The latest hydrographic survey, sheet No 2504, is recorded as lost in the archives and was therefore not available for purposes of comparison.

The field party sent in a boat sheet but no smooth sheet. This boat sheet was used as a smooth sheet after reprotracting the positions and replotting the soundings in feet.

R. L. Johnston

POST-OFFICE ADDRESS:

TELEGRAPH ADDRESS:

EXPRESS OFFICE:

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY