

4368

See also 4366 & 4367

Diag. Cht. No. 5101-2 & 5102-2

4368

Form 504 DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY
State: <u>California</u>
11-5613
DESCRIPTIVE REPORT. 4368
Hydrog. Sheet No. _____
LOCALITY: <u>Gulf of Santa Catalina</u>
<u>Vic. of Las Flores to Santa Margarita R.</u>
1924
CHIEF OF PARTY: <u>R. F. Luce</u>

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. 4368

State . . . C.A.L.I.F.O.R.N.I.A.

General locality . . . Gulf of Santa Catalina
~~Santa Barbara Channel~~

Locality Vic. of Las Flores
~~Oceanside to Santa Margarita River to Vic. of Las Flores~~

Chief of party . . . Lt. Commander R.F. Luce.

Surveyed by . . . Coast Survey Ship, GUIDE.

Date of survey . . . April, 1924.

Scale 1 : 40000.

Soundings in . . . Fathoms.

Plane of reference Mean lower Low Water.

Protracted by G.D.C. . . . Soundings in pencil by G.D.C. . . .

Inked by . . . G.D.C. . . . Verified by L.B.C. . . .

Records accompanying sheet (check those forwarded):

Des. report, Tide books, Marigrams, 1 Boat sheets,

1 Sounding books, Wire-drag books, Photographs.

Data from other sources affecting sheet Triangulation points taken
from Supt's Report for 1904 and from computations of triangulation
made during the season.

Remarks:
No descriptive report accompanies this sheet as it is covered
in the description covering the next sheet to the southward, (La Jolla to
Oceanside.).

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

WASHINGTON December 3, 1924.

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 4368

Santa Barbara Channel, California.

Surveyed in 1924.

Chief of Party, R. F. Luce.

Surveyed by party of Steamer GUIDE.

Protracted and soundings plotted by G. D. Cowie.

Verified and inked by H. R. Edmonston.

1. The records conform to the requirements of the General Instructions except that no descriptive report was submitted. The abbreviations for green and gray do not conform to paragraph 300 of the General Instructions.
2. The plan and character of development conform to the requirements of the General Instructions.
3. The specific instructions for this work were given orally by the Chief, Division of Hydrography and Topography, and it cannot be stated if the survey satisfies them.
4. The sounding line crossings are adequate.
5. The information is sufficient for drawing the usual depth curves.
6. The field plotting was completed to the extent prescribed by the General Instructions.
7. As the adjoining contemporary work has not yet been plotted the character of the junctions cannot be stated. There is a generous overlap between this survey and that of 1889 and the agreement between the two is excellent.
8. In only three cases were depths obtained simultaneously by wire and sonic method. The differences between the two methods ranged between 2 and 8%.
9. No further surveying is required within the area covered by the sheet.
10. The character and scope of the surveying and field drafting are excellent.
11. Reviewed by E. P. Ellis, November, 1924.

Nov 24, 1924.

Report on Verification of Hydrographic
sheet H 4368

The records for this sheet are complete and conform to the general instructions.

Sufficient bottom characteristics are given in the records.

The smooth sheet was very clean and well protracted.

The drafting conforms to the general instructions for field work.

All soundings taken by the sonic method are underscored in red.

H. C. Edmiston

STATISTICS SHEET NO. *Oceanside to Santa Margarita Pt., Calif.*

Date. 1924.	Letter.	Vol.	Positions.	Soundings.	Miles Statute.	Vessel.
Apr. 8	A	1	15	15 wire 1 sonic.	2.4	GUIDE.
" 10	B	1	69	69	10.7	"
" 11	C	1	15	15	2.5	"
" 23	D	1	56	40 22	16.0	"
Totals.		1	155	139 23	31.6	

Soundings in fathoms.

Plane of Reference, Mean Lower Low Water.

Automatic tide gauge at Quarantine Wharf in San Diego, Calif.

Plane of Reference, reading on gauge, 3.6 ft.

Lowest Tide observed, " " "

Highest Tide observed, " " "

Applied to chart 3360. December 29, 1943. F.A.M.

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