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1908-9

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Diag. Cht. No. 5502-1

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O. N. Tittmann
Superintendent.

State:

DESCRIPTIVE REPORT.

Hyde Sheet No. *2989*

LOCALITY:

*Approaches to San
Francisco*

1908-9

CHIEF OF PARTY:

M. C. Dibrell

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DESCRIPTIVE REPORT TO ACCOMPANY HYDROGRAPHIC SHEET NO.

COAST AND
GEODESIC SURVEY

MAY 11 1909

NO. 1), APPROACH TO SAN FRANCISCO, CALIFORNIA,

SCALE 1-200000.

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REFERRED TO

This sheet shows the results of a hydrographic examination made in the approach to San Francisco Bay while searching for the banks reported by the Steamers "Mongolia" and "Alameda". The area examined extends from the thirty fathom curve near the light vessel southwestward for a distance of about 35 miles, with a breadth of from 8 to 14 miles. Soundings were obtained with Tanner and Sigsbee sounding machines without the use of pressure tubes, and on many of the lines the sub-maine sentry was towed at a depth of 30 fathoms.

2. Positions depend upon angles observed to objects on shore, or upon dead reckoning. The lines dependent upon dead reckoning have been adjusted between initial and final positions. All of the work done in the locality has been plotted excepting such as is not considered reliable. The sheet is transmitted with the soundings in pencil, as required by the General Instructions for Field Work. Red lines indicate that the sentry was towed at thirty fathoms.

3. For further details in regard to this work see my report of February 10, 1909 accompanying a tracing of the boat sheet.

4. It may be well to add that the soundings obtained with the Sigsbee Sounding Machine have not been corrected for the error due to varying size of measuring reel. This error is not considered large enough to justify the time and labor required to make the correction.

Respectfully submitted,

Walter O. Dineen
Ass't., C. & G. Survey,

Hyd Sheet No 2989

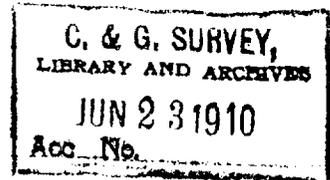
July 20 1909

With the exception of the 26 fathom spot near the northern limit of the work there is no indication of any shoal within the area examined.

The records were clear and well kept.

H. L. Simmons

File with the Descriptive Report
after approval.



(Sgt. Field #1)

STATISTICS.

Date	Vol.	Let.	Miles (Naut.)	Sdgs.	Angles	Boat
1908						
Nov. 26	1	B	29	36	79	"Explorer"
" 27	1	C	26	20	43	"
" 28	1	D	42	32	64	"
" 29	1	E	37	28	26	"
" 30	1	F	31	13	—	"
Dec. 1	1	G	32	19	—	"
" 2	1	H	20	16	—	"
" 11	1	J	41	27	46	"
" 12	1	K	63	33	54	"
" 13	1	L	42	21	35	"
" 14	1	M	31	12	15	"
" 15	1	N	55	5	28	"
" 18	2	O	51	43	91	"
" 19	2	P	28	14	28	"
1909						
Jan. 11	2	Q	13	11	24	"
" 27	2	R	20	80	101	"
" 28	2	S	26	63	78	"
Totals	2	17	587 <i>(675 total)</i>	473	712	

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 JUN 23 1910
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Area = 400 sq. statute Miles

Used a couple bottom characteristics on new chart 5598 G.N.E. ^{Oct} 1956