



3901

U.S. COAST AND GEODETIC SURVEY  
No. 504  
Rev. 1906

Diag. Cht. No. 5302-1

Form 504  
 DEPARTMENT OF COMMERCE  
 U. S. COAST AND GEODETIC SURVEY

State: *Cal.*

11-5613

DESCRIPTIVE REPORT.

*10/21* Sheet No. *3901.*

LOCALITY:

*Vicinity of Cayucas*  
*Estero Bay*

1916

CHIEF OF PARTY:  
*E. B. Saffern*

3901

SURVEY  
OCT 13 1916

Descriptive Report

Hydrographic sheet Vicinity of Cayucas Cal

ASST. IN CHARGE (5)

Scale 1 to 2500

This sheet was surveyed at the request of the Bureau of Lighthouses and its object was to determine the advisability of placing additional buoys for the approach to the wharf at Cayucas.

No features were developed worthy of especial mention. The sounding will indicate the results obtained.

The hand lead indicated the presence of a shoal spot near buoy No 2, with an improvised sweep, consisting of a length of light railroad iron suspended from the launch, while under oars, the area was dragged over. A least depth of seventeen feet was developed (see revised plotting on Hyd. sheet) approximately 60 from the buoy, on the channel side.

The spot as the buoy is at present placed, is not a danger to ordinary navigation. The attention of the Inspector of the 18 district Bureau of Lighthouses was called to the position as determined from the boat sheet plotting, and he was warned as to the approach of the tender when resetting this buoy.

Two other spots to the SW of buoy No2 were investigated, one indicated by my soundings and one indicated by the survey of 1884, for least depth developed see revised plotting of the hydrographic sheets Cayucas and Supplemental work by me in Esteros Bay 1916.

This wharf is practically in the open and landings are made only under favorable weather conditions. There are no pilots. No marine supplies are obtainable.

From information received the only vessel landing here is the Pacific Coast Steamer "HOMER" which makes the landing about once each week, weather permitting.

The following points are suggested to be placed on the chart, positions determined by triangulation.

- Belfry white (Catholic church Cayucas)  
Lat 35 23 1679meters Long. 120 54 161meters
- White tank (Conent tank on hill)  
Lat 35 27 60meters Long. 120 54 924meters

Not e positions are from field results, computations not checked.

U.S. COAST AND GEOD. SURVEY  
DEPARTMENT OF COMMERCE  
*E. J. Nathan*

Chief of Party C & G Survey

EXAMINED BY: Sept 23 5h 1916

RECEIVED

Note Tide gauge for the reduction of soundings Morro Inside

POST-OFFICE

**POST-OFFICE ADDRESS:**

**TELEGRAPH ADDRESS:**

**EXPRESS OFFICE:**

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

Statistics Hydrographic Sheet 3901

Cayucas California, Scale 1 to 2.500

Date	Day	No Miles Sd. Line	No Soundings	No Angles
August 1916				
7	A	4.50	237	64
8	B	3.25	150	54
9	C	5.80	252	116
10	D	5.00	364	146
12	E	1.50	127	26
14	F	9.75	<sup>4</sup> <del>5</del> 331	<del>176</del> 220
15	G	6.50	406	222
24	H	1.00	39	8
25	I	1.00	23	32
		<u>38.00</u>	<u>2229</u>	<u>888</u>

S.P.S.  
H.C.

VEC  
June 21, 1917

HYDROGRAPHIC SHEET 3901.

Vicinity Cayucas, Estero Bay, California, by party of  
Assistant E. B. Latham in 1916.

TIDES.

	Morro Bay Feet.
Mean lower low water, or plane of reference on staff	1.9
Mean range of tide	3.2

Hydrographic Sheet No. 3901  
Estero Bay, Cal.

The work of this sheet was protracted by the field party and have been generally taken as correct being verified only when necessary to locate an obscure position or when it was thought an error might exist; as no errors were found this portion of the work is considered good.

The soundings were pencil platted by the field party and were found to be practically correct to the records before passing through Tidal Division.

The work is generally good and when taken by itself would appear quite sufficient to develop conditions with a degree of accuracy but when combined with the old work of Sheet No. 1607<sup>e</sup> it would appear that either the work of this sheet or Sheet No. 1607<sup>e</sup> was not as carefully done as it should have been. My personal opinion would be that the work of this sheet can be considered nearer correct. The method of running the lines for soundings might bear some criticism as they appear quite erratic being close at times and rather open at others but all shoal spots have been well considered and well covered.

Soundings overlapping from Sheet No. 1607<sup>e</sup> have been transferred in yellow ink and it can readily be seen that had lines been run somewhat closer the shoaler soundings shown on #1607 might have been found or at least some of them. However as this bottom is of a very broken character the differences shown may exist. The curves have been run to suit both sheets, so far as possible.

John D. Torrey.  
5/17/18.