



Diag. Cht. No. 5302-1

3899

C. & G. SURVEY
L. & A.
OCT 4 1916
Acc. No.

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

State: *Cal.*

11-5013

DESCRIPTIVE REPORT.

Hyd. Sheet No. *3899*

LOCALITY:

Vic. of Morro
Estero Bay

1916

CHIEF OF PARTY:

3899

Nyd. 3899

Descriptive Report

Combined Topographic and Hydrographic Sheet

Vicinity of Morro California.

Scale 1 to 10,000 and an insert to scale 1 to 2,500

POST OFFICE ADDRESS:
TELEGRAPH ADDRESS:
OCT 3 1916
EXPRESS OFFICE:
ASST. IN CHARGE (S)

This sheet was surveyed during July and August 1916. The northern part of the sheet only the positions of the objects and stations used in the subsequent hydrographic work, and some points on the shore line. The insert shows the shore line in the immediate vicinity of Morro and the streets of the town of Morro.

There is no available channel, for ocean going vessels into the Bay. Morro Bay is an excellent boat landing and refuge for small vessels and motor boats. The controlling depths into the Bay to an anchorage, very limited in area, is 12 feet, with 8 feet inside the Bay (see revised plotting of the hydrographic sheet) . Gasolene, oils and food in limited quantities may be obtained at the town of Morro. Morro has many summer visitors, and may be classed as a summer resort, the hotel and cottage facilities are extremely limited.

Weather conditions prevented additional soundings near the site of the proposed wharf, north of Morro Rock, but as the maintenance of a wharf, at the proposed site, is problematical, it was not deemed advisable to wait longer to obtain them.

There is a sand beach apparently free from rocks, from Morro Rock to Tor o Point.

No vessels now enter the Bay. If signal is made and seen a pilot can be obtained to enter the Bay. It is reported that at times that the channel fills with drifted sand, but ~~that~~ washes out to the same position and depths.

No points are suggested to be placed on the chart. Triangulation station Valencia, recovered and remarked by me in May 1916 is on a sharp well defined peak abreast of Point Buchon, once identified, would make an excelleny signal for offshore hydrography.

The channel into the Bay is within fifty feet of the rock (Morro Rock) It is doubtfull if a stanger would enter even with a pilot.

E. S. Atham

Chief of Party C & G Survey

San Diego, Cal., Sept 28th 1916

POST-OFFICE ADDRESS:

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DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

Statistics Hydrographic Sheet 3899

Vicinity Of Morro, North of Morro Rock and

in Morro Bay

Work supplemental to that of 1884

Date	Day	No Miles Sounding Lines	Number Soundings	Number Angles
August 1916				
9	A	1.00	66	28
22	B	9.25	321	124
23	C	3.00	186	48
24	D	4.00	162	62
25	E	1.00	56	24
26	F	2.00	106	98
29	G	4.00	156	76
		24.25	1053	460

Scale 1 10,000 and 1 5000

Hyd. 3899.

List of Plane Table Positions

Station	Latitude	Longitude	Height	Remarks and description
An	35 25	1749 M 120 53	172 29 Ft	Note 1 Mark on line 66 49 from Whale Rock 6.6 Meters. Mark
Wil	35 25	1188 120 53	1373 20 Ft	Note 1 On line to Triang. Hall distant 11.5 meters. Mark
It	35 25	540 120 52	1006 29 Ft	Note 1 On line to Tirang Hall 10.7 M.
Sin (Shanty)	35 24	796 120 52	373 60 Ft	1000 West gable of small shanty on Morro Point.
Lome tree	35 23	430 120 51	642	On west side of road, Leans to S.
Rod	ET 35 WW 22	192 120 50	1473 83	Note 1 Is also Bench Mark No,4 On west side of road(Main street) Morro Cal, Is 22 meters North from the NW Corner of 7th and Main Streets.
Girage	35 21	1343 120 51	90 70	North gable of galvanized iron girarge

Note 1 A standard hydrographic disk station mark set in an irregular pier of concrete 18 inches in diameter and 3 feet in the ground. Mark is approximately 4 inches above the ground.

VEC
June 21, 1917

2.P.S.
H.C.

HYDROGRAPHIC SHEET 3899.

Vicinity of Morro 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. 3899.
Esterro Bay. Cal.

The positions for the work on this sheet were protracted by the field party and have been taken as correct being verified only where necessary to locate an obscure position or where errors were thought to exist. Also in positions where Signal Up was involved; Some difficulty was had with the signal as its position did not agree on both sections and it was necessary to consult with Capt. Latham as to its correct position. There still is some doubt as to which is correct.

The soundings were pencil plotted by the field party and found approximately correct to records prior to corrections by Tidal Div.

While the work covers the ground quite thoroughly and may be sufficient to develop conditions within a degree of accuracy the method of running the lines does not appear the best for a good development and at times appears rather erratic. However the channel appears to be fairly well developed although some open places appear and leaves actual conditions in doubt.

John D. Torrey
7/20/18.