

Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

State: *California*

11-5613

DESCRIPTIVE REPORT.

Topo Sheet No. *3755*

LOCALITY:

Morro Bay

San Luis Obispo Co.

1919

CHIEF OF PARTY:

E. B. Latham

3755

Descriptive Report to accompany

Topographic Sheet, Morro Bay

3755

San Luis Obispo County, California

E.B. Latham, Chief of Party

Instructions dated Jan. 10, 1919 filed with descriptive report, Morro Bay Hydrographic Sheet.

The triangulation is from checked bases, with recovered stations Black Hill, Jade, White, Larsen, and Morro Rock. Extra heavy triangulation signals were erected with the expectation that they would be available for the proposed survey by the Engineer Corps, U.S.A., now authorized.

The sheet shows the new shore line from north of Morro Bay to southwest of the southern end of Morro Bay, and the entire shore line of Morro Bay. A sketch, scale 1-20000, is attached to this report giving the character of materials on the shores of the bay.

Levels were run at intervals across the sand spit, "The Strand" and from them the contours are sketched as shown. The ends of lines of levels were located by sextant wherever practicable. When a location by sextant was not obtainable the distance and direction to a plane table station was measured. Lines are designated by letters and points on the line by its letter and the number of meters from its eastern end. Thus the eastern end of A line is A0 and the western end is A335 being 335 meters from A0. The ends of lines and points on lines located by sextant angles, are indicated on the sheet by small red circles. The northern end of the spit has contour interval of 5 feet; on the remainder the interval is 20 feet.

An indication of changes in the shore line will be shown by comparison of the topographic sheets of 1881 to 1884, Nos. 1662 and 1500b

The eastern shore of Morro Rock was changed by quarrying done on the rock a few years ago.

A list of plane table positions and one of landmarks for charts is attached hereto.

Respectfully submitted

M.O. Witherbee

Aid, C. & G. Survey

*E.B. Latham
Chief of Party
Memo Bailif
Apr 2-1919*

List of Plane Table Positions

to accompany Topographic Sheet No. 3755

Morro Bay, Calif.

E.B.Latham, Chief of Party

Description	Latitude			D.M.meters	Longitude		
	°	'			°	'	D.P.meters
Hotel tower	35	23	1208		120	51	1168
Windmill, yellow tank	35	22	1585		120	51	345
Pillar Rock	35	22	633		120	52	190
Run (marked station)	35	22	710		120	51	867
Pile near low water line at end of spit	35	22	406		120	51	1105
Ty (West gable Church's Wharf)	35	22	94		120	51	302
Gab (North gable, galvan- ized iron shed)	35	21	1349		120	51	87
Me (marked station)	35	21	1683		120	51	933
Wharf on west shore of Morro Bay (eastern end)	35	19	1365		120	51	821
House at head of Morro Bay (north gable)	35	18	1674		120	51	1255
Old windmill on east shore of Morro Bay.	35	19	329		120	51	117

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to accompany Topographic Sheet No. 3755

Morro Bay, Calif.

E.B.Latham, Chief of Party

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