

5412

U. S. COAST & GEODETIC SURVEY
 LIBRARY AND ARCHIVES

MAR 21 1934

Acc. No. _____

Form 504
 Ed. June, 1928

DEPARTMENT OF COMMERCE
 U. S. COAST AND GEODETIC SURVEY
 R. S. Patton, Director

State: California.

DESCRIPTIVE REPORT

~~Geographic~~ } Sheet No. 3 5412
 Hydrographic }

LOCALITY

Monterey Bay

South of Salinas River.

1933

CHIEF OF PARTY

G. C. Jones.

5412

DESCRIPTIVE REPORT
to accompany
HYDROGRAPHIC SHEET FIELD NO. 3
PROJECT NO. HT 130
California Coast

INSTRUCTIONS: To Commanding Officer, Ship GUIDE, April 4, 1932. ✓
Director's letter to G. C. Jones, February 24, 1933, 22-RS 1990.

SURVEY METHODS: All surveying was done in accordance with standard ✓
practice as described in the Hydrographic Manual.

DISCREPANCIES, DANGERS, CHANNELS and ANCHORAGES: There are no ✓
serious discrepancies. The bottom is very regular, hard sand and
any discrepancies which may have been caused by trying to sound in
too much swell were investigated and corrected in the field.

There are no dangers or channels in the area covered
by this sheet. As stated above it is smooth sand bottom with regular
slope slightly steeper than the sheets either to northward or south-
ward.

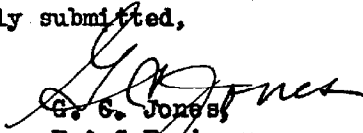
There are no anchorages on this sheet. Vessels may
anchor anywhere along this coast in fair weather, anchoring in any
desired depth, smooth sand bottom.

COMPARISON WITH PREVIOUS SURVEYS: There has been some retrogression
of the shoreline and that fact coupled with the small number of
soundings on the old surveys prevented a carefull comparison of in-
dividual soundings. There is a fair general agreement.

STATISTICS:

Statute Miles sounding lines	Number of soundings	Number of positions
105.3	1731	561

Respectfully submitted,


G. C. Jones,
H & G Engineer,
Chief of Party, C. & G. S.,

LIST OF SIGNALS
to accompany
HYDROGRAPHIC SHEET FIELD NO. 3
Project No. HT 130
California Coast

TRIANGULATION

Name and Year	Hydrographic Name (Shortened)
Lapis, 1932	
Jacks, 1910-1932	
Gigling, 1932	Gig
Monterey Bay 3, 1910-1932	Mont

LIST OF PLANETABLE OBJECTS
ALL FROM TOPOGRAPHIC SHEET C
Project No. HT 130

Nex
San
- Bunk
Gip
Tel
Mug
Pit
Del
Mob
Pal
Lip
Log
Lax
Hod
Tuk
Bag
Kol
Pale
- Gab
Ape
Kes

Luc

March 29, 1934

Division of Hydrography and Topography:

✓ Division of Charts:

Tide Reducers are approved in
2 volumes of sounding records for

HYDROGRAPHIC SHEET 5412

Locality South of Salinas River, Monterey Bay, California

Chief of Party: G. C. Jones in 1933
Plane of reference is mean lower low water, reading
2.7 ft. on tide staff at Monterey
12.6 ft. below B. M. 3

Height of mean higher high water above plane of reference is 5.3 feet

Condition of records satisfactory except as noted below:

W. H. Starnamer
Chief, Division of Tides and Currents

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. 3

REGISTER NO.

State California

General locality Monterey Bay, east

Locality South of Salinas River

Scale 1:10,000 Date of survey June to August, 1933

Vessel Chartered Launch ROMA

Chief of Party G. C. Jones

Surveyed by G. C. Jones and I. R. Rubottom

Protracted by T. A. Renton

Soundings penciled by G. C. Jones

Soundings in fathoms feet

Plane of reference M. L. L. W.

Subdivision of wire dragged areas by

Inked by A. M. Uzefovich

Verified by A. M. U.

Instructions dated April 4, 1932 and February 24, 1933

Remarks:

Field Records Section (Charts)

HYDROGRAPHIC SHEET No. 5412.

The following statistics will be submitted with the
cartographer's report on the sheet:

Number of positions on sheet	...561
Number of positions checked13
Number of positions revised
Number of soundings recorded	..1731
Number of soundings revised6
Number of signals erroneously plotted or transferred

Date: April 28, 1934.....

Cartographer: A. M. Uzerfovich.....

Apr. 28, 1934

Section of Field Records
Report on H-5412

Chief of Party G. C. Jones

Surveyed in June-Aug. 1933

Protracted by T. A. Renton

Surveyed by G. C. Jones and I. R. Rubottom

Verified and inked by A. M. Uzevovich

Soundings plotted by G. C. Jones

1. The records conform to the requirements of the General Instructions.
2. The field plotting was completed to the extent prescribed in the General Instructions.
3. The hydrography is complete, and the usual depth curves can be drawn.
4. The office cartographer did not have to do over any part of the drafting done by the field party.
5. The junctions with adjacent sheets: H5406, and H5278 were made, and they are perfect. The junction with sheet H5415 was not made, as this sheet is not inked yet.
6. Remarks: Vol. 1, p. 20, positions 36-37, mentioned - "40 meters off breakers"; these breakers are not shown on Boat, and Smooth sheets. These breakers were added to the smooth sheet in pencil.
Topographic stations on H5412 were not verified, as the latest Topo. Sheet is not in the office.
74789
7. The quality of the work is good.

Respectfully submitted
Alexis M. Uzevovich

Section of Field Records

REVIEW OF HYDROGRAPHIC SHEET NO. 5412

South of Salinas River, Monterey Bay, California

Surveyed June - August 1933

Instructions dated April 4, 1932 [GUIDE]

Feb. 24, 1933 (G. C. Jones)

Hand lead and Machine Soundings - 3 Point Control on shore objects.

Chief of party - G. C. Jones.
Surveyed by - G. C. Jones; I. R. Rubottom.
Protracted by - T. A. Renton.
Soundings penciled by - G. C. Jones.
Verified and inked by - A. M. Uzefovich.

1. Condition of Records.

The sounding records conform to the requirements of the Hydrographic Manual with the following exceptions:

- a. No separate Approval of Records sheet was attached to the Descriptive Report. The Chief of Party penciled the soundings on the sheet and wrote the Descriptive Report and presumably included all necessary information in the report itself.
- b. The stamp in the lower right corner of the smooth sheet does not show verification of topographic signals by the field party. This has been accomplished in the office.

2. Compliance with Instructions for the Project.

The survey fulfills the specifications of the instructions.

3. Sounding Line Crossings.

Soundings are consistent and depths at crossings of lines are in good agreement. The bottom is regular. Distance of the in-shore line from the line of breakers was indicated at only one point.

4. Depth Curves.

The depth curves can be drawn satisfactorily.

5. Junctions with Contemporary Surveys.

The junctions with sheets H. 5406, H. 5415 and H. 5278 are adequate. The agreement in depth in the overlapping areas is good, being generally within one fathom where plotted to whole fathoms, ~~and to whole fathoms~~, and to nearest fraction when plotting to fathoms and fraction of a fathom.

6. Comparison with prior surveys.

Parts of the surveys of 1855-6 (H. 559 and H. 558) cover the same area as this sheet. The general agreement is good though the present survey shows slightly deeper water relative to the shorelines on the respective sheets (H. 559 and H. 5412). The Descriptive Report notes a recession of the shoreline in this vicinity.

In view of the much closer development, this sheet (H. 5412) should supersede the parts of H. 559 and H. 558 which represent the same area.

7. Comparison with Chart 5403.

The chart represents conditions as shown on the old surveys mentioned in par. 6, and there is no conflict with the new survey requiring special attention.

8. Field Plotting.

Field protracting and plotting of soundings were good. Position numbers and day letters were inked too large, and too carelessly; many of them were changed in the office.

9. Additional field work.

No further surveys are deemed necessary.

10. Superseding old surveys.

Within the area covered the present survey supersedes the following old surveys:

H. 559 (in part)
H. 558 (in part)

11. Reviewed by - R. J. Christman, June 1934.

Inspected by - A. L. Shalowitz.

K. T. Adams

K. T. Adams,
Chief, Section of Field Records.

B. Borden

Chief, Section of Field Work.

Examined and approved:

L. O. Lobbit
Chief, Division of Charts.

G. H. Hude
Chief, Division of H. & T.

25 Jan 24, 1936
E.H.J.