

4482

*San Catalina*

4482

Form 501  
 DEPARTMENT OF COMMERCE  
 U. S. COAST AND GEODETIC SURVEY

State: California  
Catalina

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DESCRIPTIVE REPORT.

~~Form 501~~ Sheet No. 4482

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LOCALITY:

Santa Catalina I.

Dakin Cove

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1925

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CHIEF OF PARTY:

T. J. Maher

STATISTICS FOR SHEET NO-----

California,

Santa Catalina Island,

Dakin Cove and Vicinity.

	Dates	Letter	Vol.	Positions	Soundings	Miles statute	Vessel
May	5	a	1	168	168	6	Motor Sailor
	6	b	1	172	370	6	" "
	7	c	1	211	274	6	" "
	8	D	2	186	282	4	" "
	<u>TOTALS</u>			<u>737</u>	<u>1094</u>	<u>22</u>	

Soundings in Feet.

Gauge is a plain tide staff. It is graduated in feet and tenths of feet and the numbers increase with the rise of tide.

Location: Approximate Geographic Position- Lat. 33deg. 20.6' 118 deg. 19.5'. The gauge is at the end of Pleasure pier in the town of Avalon, Santa Catalina Island, California.

Plane of Reference: is the mean of 54 hours observations compared with simultaneous readings at La Jolla, Calif. Scripps Inst. and corresponding to tide gauge reading 3.58 ft. M.L.L.W.

Highest tide- 8.7' reading on staff.

Lowest tide - 4.4'

Hydrographic Signals

Object and Description	Lat.	D.M. Metres	Long.	D.P. Metres	Description
BLA. Black Stack	33-20'	1152.2	118-19'	924.3	
CHI. Chimny	33-21'	129.1	118-19'	1270.9	Chimny back of St. Cath. Hotel
HOT. Rock	33-20'	655.8	118-18'	1212.5	



*numbers  
not correct*

2. Accuracy of Protracting:

The protracting was very good but due to @ Bla having a short line as its center instead of a point several positions using @ Bla were erroneously plotted.

3. Plotting of Soundings:

(a) (Paragraph 225 G.I.). Time intervals should be uniform except where very irregular bottom exists. This rule was not followed throughout the work.

(b) The soundings were plotted to one side of the position instead of being centered on the position.

(c) The position numbers were too large.

4. The development appears to be sufficient.

5. The sheet was clean and the work clear.

6. Signal "Point" on the Hydrographic Sheet and Topographic Sheet is identical with signal "End" in the records. The signal "Point" on the sheets was changed to "End."

*John C. Mac Nab.  
Draftsman*

Division of Hydrography and Topography:

✓ Division of Charts:

Tide reducers are approved in  
2 volumes of sounding records for

C HYDROGRAPHIC SHEET NO. ~~448~~ 4482

Locality: Santa Catalina Island - Off California

Chief of Party: T. J. Maher in 1925.

Plane of reference is M. L. L. W.  
3.6 ft. on tide staff at Avalon

For reduction of soundings, condition of records satisfactory  
except as checked below:

1. Locality and sublocality of survey omitted.
2. Month and day of month omitted
- ✓ 3. Time meridian not given at beginning of day's work.
- ✓ 4. Time (whether A. M. or P. M.) not given at beginning of day's work.
5. Soundings (whether in feet or fathoms) not clearly shown in record.
6. Leadline correction entered in wrong column.
7. Field reductions entered in "Office" column.
- ✓ 8. Location of tide gauge not given at beginning of each day's work.
9. Leadline corrections not clearly stated.
10. Kind of sounding tube used not stated.
11. Sounding tube No. entered in column of "Soundings instead of "Remarks".
12. Legibility of record could be improved.
13. Remarks.

*Hammner*  
Acty Chief, Division of Tides and Currents.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

4482

HYDROGRAPHIC TITLE SHEET

The finished Hydrographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. 4482

State . California . . . . .

General locality . Santa Catalina Island . . . . .

Locality . . . . . Dakin Cove . . . . .

Chief of party . . . . . Thos. J. Maher . . . . .

Surveyed by . . . . . L.P. Raynor . . . . .

Date of survey . . . . . May 5 to 8 Incl. 1925 . . . . .

Scale . . . . . 1:5000 . . . . .

Soundings in . . . . . Feet . . . . .

Plane of reference . . . . . M.L.L.W. . . . . .

Protracted by W.F.W. *etc* . . . . . Soundings in pencil by W.F.W. . . . . .

Inked by . . . . . Verified by . . . . .

Records accompanying sheet (check those forwarded):

Des. report, 1 Tide books, 0 Marigrams, 1 Boat sheets,

2 Sounding books, 0 Wire-drag books, 0 Photographs.

Data from other sources affecting sheet . . . . . 0 . . . . .

Remarks:

## RELOCATION OF Ⓞ HOT

The Topography in this section was completed after the Hydrography, and Ⓞ Hot was not relocated. The shoreline at this point was found to be in error and it appeared probable that the position of Ⓞ Hot was in error also. Ⓞ Bud and Ⓞ Din were found to be in error and it was assumed that the three stations had the same relative position as before. Ⓞ Hot was then relocated about forty (40) meters <sup>west</sup> ~~from~~ the old position.

4482 Add'l, Wk.

4482 Add'l Wk

Form 504

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

....., Director

G. & G. SURVEY  
L. & A.  
MAY 26 1928  
Acc. No.

State: California

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**DESCRIPTIVE REPORT**

~~Topographic~~ } Sheet No. 4482 Add'l Wk.  
Hydrographic }

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LOCALITY

Catalina Island

Dakin Cove

---

1928

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CHIEF OF PARTY

F. G. Engle

GOVERNMENT PRINTING OFFICE

STATISTICS TO ACCOMPANY HYDROGRAPHIC SHEET NO. 4482

Date- 1928 : Letter : Volume : Positions : Sdgs. : Miles(st.) : Vessel

March 7 : a : 1 : 123 : 156 : 5.5 : PMS

Copy for Section of Field Records files.

May 26, 1928.

(11)

Division of Hydrography and Topography:

Division of Charts:

Tide reducers are approved in  
volumes of sounding records for

1

HYDROGRAPHIC SHEET

4482 add'l.

Locality:

**SOUTHERN CALIFORNIA.**

Chief of Party:

Plane of reference **F. S. Engle, 1928.**

**3.5** ft. on tide staff at **M L L W**  
**Los Angeles Harbor.**

Condition of records satisfactory except as checked below:

1. Locality and sublocality of survey omitted.
2. Month and day of month omitted.
3. Time meridian not given at beginning of day's work.
4. Time (whether A.M. or P.M.) not given at beginning of day's work.
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10. Kind of sounding tube used not stated.
11. Sounding tube No. entered in column of "Soundings" instead of "Remarks".
12. Legibility of record could be improved.
13. Remarks.

  
Chief, Division of Tides and Currents.

Inspection by E. P. Ellis

The new work, together with the revision of the original work done in 1925, gives an adequate representation of this locality.

It complies with the specific instructions and no further surveying is required.

Dec. 22. 1928.

Approved:

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Chief, Section of Field Records (Charts)

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Chief, Section of Field Work (H. & T.)

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4482 Add'l. Wk.

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. \_\_\_\_\_

REGISTER NO. - 4482 Add'l. Wk.

State California

General locality ~~Southern California~~ Catalina Island

Locality ~~Santa Catalina Island~~ Dakin Cove

Scale 1/5000 Date of survey March 7, 1928

Vessel Port Motor Sailor

Chief of Party F. G. Engle

Surveyed by L. S. Hubbard

Protracted by C. J. Wagner

Soundings penciled by C. J. Wagner

Soundings in ~~fathoms~~ feet

Plane of reference MLLW

Subdivision of wire dragged areas by \_\_\_\_\_

Inked by \_\_\_\_\_

Verified by \_\_\_\_\_

Instructions dated December 16, 1927

Remarks: \_\_\_\_\_

DEPARTMENT OF COMMERCE

AND REFER TO NO. 11-DRM

U. S. COAST AND GEODETIC SURVEY

WASHINGTON

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 4482 (Additional Work)

Instructions Dated December 16, 1927  
(DISCOVERER)

1. The additional work was ordered to replace several areas where the work contained revolvers and was dependent on erroneously located signals, and also to give a little more detail in several localities.

A new topographic survey was also made of this locality to replace the one found erroneous.

2. Control

The new topographic sheet showed the fact that the following topographic signals were in error. Signals Whi - Bud - Din, and signal Point (End) in all probability was also in error but this point was not relocated. The old hydrography was corrected to agree with the new corrected positions. Where the old hydrography used Point (End) as a signal these fixes and soundings were rejected.

Signal Hot is a hydrographic signal and the old records contained seven or eight cuts to this signal. The cuts were replotted and the assumption made by the field party in the beginning of this report proved to be incorrect. A new and more accurate point for "Hot" was determined and the hydrography involved was revised accordingly.

3. The sunken rock just northeast of Abalone Pt. was taken from the original topographic sheet which has been rejected. On the new topographic sheet the rock does not appear.
4. The additional work is sufficient and satisfies the general instructions as well as the specific instructions.
5. Reviewed by J. C. MacNab, November 13, 1928.

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

WASHINGTON

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It complies with the specific instructions and no further surveying is required.

Dec. 22, 1928.

Approved:

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Chief, Section of Field Records (Charts)

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Chief, Section of Field Work (H. & T.)