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Diag. Cht. No. 5530-4

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The state of the s								
FORM 504 DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY								
State: California								
DESCRIPTIVE REPORT.								
Hyd. Sheet No. 1276								
LOCALITY:								
San Pablo Boy								
Long Tree Pt. to Midshipman Pt.								
1912								
CHIEF OF PARTY:								
0,W Swainson								

4276

概念 俊 本 ウィーベー・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・								
Dete	1922	Letter	Vol	Pos.	Sound	Miles	Vessel	
		A	1	41	34 5	9.5	Natona	
Jan.	17	В	1	55	408	14.2		
	23	ç	ī	103	717	23.0		
		Ď	1 82	151	1169	30.9		
	24 25	E.	2	135	1046	31.9		
	27	Ē	3	129	1045	32 .2		
73 - 1s		Ğ	3	112	783	24.0		
Ĕeb.		H	4	92	728	22.7		
	21	. J	4	95	870	24.0		
	23	K	4 & 5	79	480	16.0		
	24 27	7	5	68	41.5	16.5		
		M.	5	38	129	9.5		
~ 2 y	25	ä	•	50				
-	621	a	1	93	784	12.9	M - S -	
Jan.		Ъ	ī	61	557	9.8		
13 1.	3 1	G	ī	71	600	11.2		
Feb.		ď	2	137	1381	2ô.8		
	2		2 &3	138	1310	24.9		
	3	e f	3	65	659	12.0		
	7 8		3	5 4	569	9.0		
		g h	3 &4	86	708	20.1		
	13	i	4	89	584	14		
	14	j	4	73	575	13		
	15	k:	4	28	232	5.3		
	16	1	4 & 5	86	657	12		
	17	m	5	6	54	1.5		
	18		5	62	472	9.7		
	20	n	5 5	23	132	2.6		
	23	0	5 5	23	230	3.5		
Mar		p	5	8	78	1.3		
	2	q	3	J		# 15 To		
					57917	14 W . J		

Unit of soundings
Plane of reference
Tide gauge at
Plane of reference on gauge
Lowest tide " "
Highest " "

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COPY TO FIRED RECORDS.

Jone 22, 1925.

Division of Hydrography and Copography:

Division of Charts:

Tide reducers are approved in volumes of sounding records for

HYDROGRAPHIC SHEET 4274

Locality: Sam Pable Ray, Salif.

Chief of Party: 0. W. Smallson, in 1922
Plane of reference is mean lower low water, reading
5.9 ft. on tide staff at Season Greak
5.0 " auto-games Refugle-

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 emitted.
- 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 fathome) 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.
- 1D, 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.

Stude

Chief, Division of Tides and Currents.

AND REFER TO NO.

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DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

WASHINGTON

October 29, 1923.

Verification Report, H. 4276.

The records for this sheet were in fair condition, and in a general way conformed to the General Instructions. An index of buoys located should have been given at the beginning of Volume 1 instead of having them interspersed through all the volumes. Also the records failed to give a list of signals determined as requested in Paragraph 296 of the General Instructions.

The field work was good except that there seemed to be too close a development in comparatively unimportant areas. Also it is the opinion of the writer that much time could have been saved by running a single system of north and south lines checked by an occasional cross line, instead of the plan adopted.

The crossings were good except in a few places, notably in the channel. Where there was a discrepancy of 2 feet, the deeper sounding was omitted, being attributable to the strong current. 61 K to 79 K inclusive was rejected as this line was invariably too deep wherever it crossed another line. Differences in crossings of 1 foot are due mainly to the dropping of fractions.

The protracting was good and the plotting of the soundings was excellent.

A. L. Shalowitz

a. L. Shalowt

AND REFER TO No. 4-DRM

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DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

WASHINGTON

October 31, 1923.

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 4276

San Pablo Bay, California

Surveyed in 1922

Instructions dated June 1 and Sept. 6, 1921

Chief of Party, O. W. Swainson.

Surveyed by party of Steamer NATOMA.

Protracted by field party.

Soundings plotted by J. D. Torrey and A. L. Shalowitz.

Verified and inked by A. L. Shalowitz.

- 1. The records conform to the requirements of the General Instructions except that a list of signals was not given as directed in Paragraph 296 of the General Instructions. Also the buoys should have been listed in the index of volume 1 of the soundings. No descriptive report furnished.
- z. The plan and extent of development fulfill the requirements of the General Instructions except as regards the directions of sounding lines. There are 13 distinct systems of sounding lines, not counting cross check lines. Lines normal to the shore would have given a complete development with fewer lines.
- 5. The plan and extent of development fulfill the requirements of the specific instructions. The development on the shoal areas appears unnecessarily complete, although it conforms to the specifications.
- 4. The sounding line crossings are adequate.
- 5. The information is sufficient for drawing the usual depth curves.
- 6. Only the protracting was done by the field party.
- 7. The junctions with adjacent sheets that have been plotted are excellent.
- 8. No further surveying is required within the limits of the sheet.
- y. The character and scope of the surveying and field plotting were good.
- 10. Reviewed by E. P. Ellis, October, 1923.