

# 4428

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Form 504	
DEPARTMENT OF COMMERCE	
U. S. COAST AND GEODETIC SURVEY	
....., Director	
<div></div>	
State: California.....	
DESCRIPTIVE REPORT	
Topographic <del>Hydrographic</del>	Sheet No. <sup>A</sup> 4428
LOCALITY	
San Francisco Bay	
Oakland	
1929	
CHIEF OF PARTY	
T.J. Maher	

DESCRIPTIVE REPORT  
TO ACCOMPANY TOPOGRAPHIC SHEET "A"

EXTENT

This sheet covers the Alameda and Western Pacific Moles on the east side of San Francisco Bay.

INSTRUCTIONS

Made under the Inspector's oral orders of March 1929.

PURPOSE

To note and locate recent changes in the shoreline and pierheads and to locate further landmarks for charts.

METHOD OF SURVEY

The standard plane table and stadia were used. Signals were plentiful enough to permit of the three point fix being used almost entirely for locating the planetable. A traverse was run from station "AIP" to a point near the station "BORAX WORKS STACK" and closed satisfactorily on a three point fix.

REMARKS

The high water line between the Oakland and Western Pacific Moles is indefinite due to its flatness. The low water area consists principally of mud rather than sand.

The only change noted in the pierheads and ferry slips was at Alameda Mole where an additional ferry slip has been added to the south side.

The Alameda Airport Company expects to have their landing field extended to the present low water line by 1933.

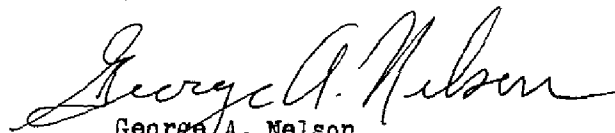
Several objects listed in the Superintendent's report of 1910 were discovered to have been destroyed and are so marked on the sheet.

LANDMARKS

An additional stack similar in appearance to the PIPE WORKS STACK has been built about 100 meters north of it. Its position is given in the list of planetable positions and also in the list of landmarks for charts.

NOTE

All features, located in the field, were inked by order of the Inspector.

  
George A. Nelson  
Topographer

# LIST OF PLANE TABLE POSITIONS

## SHEET A.

Description	Latitude	D.M.Meters	Longitude	D.P.Meters
	° ' "		° ' "	
1. Round Concrete Stack	37 - 46	1400	122 - 17	95
2. Platform,unpainted	37 - 48	228	122-- 19	302
3. Platform,unpainted	37 - 47	28	122 - 18	951
4. Alameda Airport- Obs.Tower.	37 - 47	1203	122 - 19	205
5. Wind Sleeve- Alameda Airport.	37 - 47	1244	122 - 19	330
6. Black Tank	37 - 47	1547	122 - 19	1130
7. Yellow Tower	37 - 48	104	122 - 19	1011
8. Black Tank	37 - 48	71	122 - 19	1057
9. Red Light- Oakland Harbor Entrance	37 - 47	1603	122 - 19	1244

AND REFER TO NO. 11-DRM

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

WASHINGTON

October 9, 1929.

SECTION OF FIELD RECORDS

Report on Topographic Sheet No. 4428

Oakland, California

Surveyed in 1929

Chief of Party, T. J. Maher.

Surveyed and inked by A. P. Ratti and G. A. Nelson.

Inked by G. A. N.

1. The plan and character of the survey conform to the General Instructions. It was done under verbal instructions of the Inspector.
2. *in the field.* Although the plotting of the triangulation points was verified, the position of Oakland Harbor Light was plotted 12 meters ~~south-east~~ of its true location. This point was extensively used in locating plane table set ups, and has probably resulted in erroneous location of topographic details. A comparison with U. S. Engineers survey of April 23, 1926 (Blueprint No. 20423) indicates that the northernmost pier on the sheet is too far west. It is not possible to determine in the office how much the error has affected the balance of the survey. There are no modern surveys by the Coast Survey with which the new work can be compared.
3. Reviewed by E. P. Ellis, October, 1929.

Approved:

*E. H. Green*

Chief, Section of Field Records (Charts)

*Survey made under verbal instructions of  
Inspector San Francisco. As date of signing this, March 1935,  
new surveys have been made which supersede this survey*

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

*Frank S. Borden*

*L. O. Colburn*  
Chief, Division of Charts

*G. H. Hinde*  
Chief, Div. of Hyd'y and Top'y

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEYC. & G. SURVEY  
L. & A.  
MAY 17 1929  
Acc. No.

REG. NO.

4428

## TOPOGRAPHIC TITLE SHEET

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

Field Letter A

REGISTER NO.

4428

State CaliforniaGeneral locality Oakland, San Francisco BayLocality OaklandScale 1-10,000 Date of survey March, 1929Vessel San Francisco Field Station PartyChief of Party T.J. MaherSurveyed by A.P. Ratti & G.A. NelsonInked by G.A.N.

Heights in feet above ----- to ground to tops of trees

Contour Approximate contour Form line interval ----- feet

Instructions dated Inspector's instructions of March, 19 29

Remarks: -----