



Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Graphic Control (Topographic)
Field No. Office No. T 6892
LOCALITY
State Calafornia
General locality San Francisco Bay
Locality East Bay Bridge Approach to the Berkley Yacht Harbor
1942
CHIEF OF PARTY
L. D. Graham
LIBRARY & ARCHIVES
DATE Morch 4 1942

B-1870-1 (1)

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

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

	REGISTER NO	. T-4671	T6892 Graphic Control
State CALIFOR	NIA		G
General local	ity SAN FRANCISCO	O BAY	***************************************
Locality EAS	I BAY BRIDGE APPRO	OACH to BI	erkeley Macht Harbor
Scale 1:10,00	Date of su	ırvey	February , 19 42
Vessel USC&G	Ship PIONEER		
Chief of Part	y L. D. Graham	···	
Surveyed by	E. E. Stohsner		
Inked by	E. E. Stohsner		
deights in fe	et above none	to grou	and to tops of trees
Contour Appr	oximate contour I	Form line	interval none feet
Instructions	dated Project #HT-	-256	November 16, 1940
Remarks: Proj	ection on ruling n	nachine.	
Topo:	graphic details in	i blue tre	ensferred in man project com T-6665, (1: 5,000)
Deta	Lips south of dash	iea line i	rom 1-6666 (1:20.000)
except for to T-4671 (1:10)	opo stations marke ,000).	ed with ch	eck which are from

DESCRIPTIVE REPORT

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to accompany

Field No

TOPOGRAPHIC SHEET No. T-4671

PROJECT No. - 256

Revision Surveys San Francisco Bay

U.S.C. & G.S.S. PIONEER

February 1942

INSTRUCTIONS: Authority for this survey is contained in Instructions from Director dated November 16, 1940, paragraphs 8 to 13 inclusive.

MEMORANDUM REGARDING PREPARATION OF SHEET IN WASHINGTON OFFICE:

- 1. Projection on the ruling machine.
- 2. Detail in blue transferred in the map projector by Stone and checked by R. E. Elkins.
 - (a) Details north of dashed line from T-6665 (1:5,000).
 - (b) Details south of dashed line from T-6666 (1:20,000) except for topo stations marked with check which are from T-4671 (1:10,000).

CHARACTER AND LIMITS OF WORK: The purpose of this sheet is to locate any supplementary control needed for hydrography, and to include any delineating changes that have occured in the shore line and adjacent topography. All shoreline changes surveyed are shown in black ink.

The limit of this sheet includes the east shore of San Francisco Bay, from the east approach of the Bay Bridge on the south to the Berkeley Yatht Harbor on the north.

CHARACTER OF CONTROL USED: Triangulation established in 1916-17, 1930-31, 1932, and 1938 was used for control on this sheet. Everything reduced to, and all work on, North American 1927 adjusted datum.

SURVEYING METHODS: All plane table positions were determined by three-point fixes.

DETAILED DISCUSSION OF SHORELINE CHANGES SURVEYED:

Starting at the

south end of the sheet, Lat. 37049!5, Long 122018!5, slight shore line changes were rodded in. These changes are in low marshy ground of a changeable nature. All other changes below lat. 37°5010 are shown on sheet T-5670, and are discussed in the descriptive report that accompanies that sheet.

Three additional duck blinds were located in vicinity Lat. 3705012, as well as yellow and black lighted navigation buoy "6" marking the east boundary of the restricted seaplane area.

An area of new fill was rodded in as shown in vicinity Lat. 3705014, Long. 12201718. The four beacons shown in blue are no longer in existance and no structures visible at high water at their old locations.

Pipeline shown in blue at Lat. 37051!3 no longer exists and is now a row of piling.

Additional detail was rodded at the Berkeley Yath Harbor, Lat. 37051!9, as shown. This amounted to wooden walks, slips, and dolphins. The positions of the three Berkeley Yatht Harbor navigation lights were checked and found to be correct as shown in blue.

The most prominent land marks already in existance that will be useful as signals for the hydrography were identified and the previous positions checked. Such objects are indicated by the standard topo station symbol, a red circle. The positions of these signals were all obtained by at least three good cuts from strong plane table positions. Some of the objects previously located shown in blue, could not be identified from the location of the setups which were all near the shore line. These objects were not inspected from an off shore position at this time.

Respectfully submitted

E. E. Stohsner Aid, USC&GSurvey

Approved and forwarded:

L. D. Graham

Commanding Officer

Ship Pioneer

No review by the Hydrographic Surveys Section is necessary R.H. Carateus 6/13/46

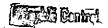


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FORM M-238

MEMORANDUM IMMEDIATE ATTENTION

SURVEY DESCRIPTIVE REPORT	MAXXXIII
PEROFOSTANTONE	No. T 689

received Nov. 23, 1942 registered Dec. 16, 1942 verified reviewed approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE	Ini	tial	Attention called to
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RETURN TO

82 R.W.Knox



NAUTICAL CHARTS BRANCH

SURVEY NO. <u>7-689</u>

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
11/23/45	5535	S.J. Stegman	Before After Verification and Review Largely
			superseded by airphoto surveys
2/50	5402	Risigari	Before After Verification and Review Largely superseled by airphoto surveys Before After Verification and Review fully apple.
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A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.