

FE 136

Diagram No. 5502-2, 5530-5

NOAA FORM 76-35A

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT (HYDROGRAPHIC)

Type of Survey ... Field Examination
Field No.
Office No. FE-136

LOCALITY

State ... California
General Locality ... San Francisco Bay
Locality ... St. Francis Yacht Harbor

1956

CHIEF OF PARTY
W.F. Malnate

LIBRARY & ARCHIVES

DATE ... April 6, 1956

☆ U.S. GOV. PRINTING OFFICE: 1976-669-441

NOTE: A new system for registering Field Examinations (FE's) was established in 1980. All FE's are now consecutively numbered as shown hereon. The date shown in the new format is the actual date of survey. This material was previously registered as;

FE No.2 1956

FE 136

F E No. 2 1956

881

FE-136

Diag. Cht. Nos. 5502-2, & 5530-5.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Hydrographic

Field No. _____ Office No. F. E. No. 2, 1956

LOCALITY

State California

General locality San Francisco Bay

Locality St. Francis Yacht Harbor

1956

CHIEF OF PARTY

W. F. Malnate

LIBRARY & ARCHIVES

DATE APR 6 - 1956

COMM-DC 61300

F E No. 2
1956

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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.

REGISTER NO.

Field No.

State California

General locality San Francisco Bay

Locality St. Francis Yacht Harbor

Scale 1:5000 Date of survey March 6, & 7, 1956

Instructions dated 29 February 1956 by San Francisco District Officer

Vessel Launch 4 PIONEER

Chief of party W. F. Malnate

Surveyed by C. J. Beyma

Soundings taken by fathometer, ~~graphically reduced to mean low water~~

Fathograms scaled by G. L. Fernandes

Fathograms checked by G. C. Mast

Protracted by G. L. Fernandes

Soundings ~~plotted~~ ^{inked} by G. L. Fernandes

Soundings in ~~fathoms~~ feet at ~~MLLW~~ and are true depths.

REMARKS: Predicted Tide correction for San Francisco, California
at Golden Gate used in the reduction of sounding.

JWZ

DESCRIPTIVE REPORT
TO
ACCOMPANY HYDROGRAPHIC
EXAMINATION OF ENTRANCE TO
ST. FRANCIS YACHT HARBOR
SAN FRANCISCO CALIFORNIA

INSTRUCTIONS: Dated 29 February 1956, issued by San Francisco District Officer
Director's letter 10 Feb. 1956

SCALE OF SURVEY: 1:5,000 -
Hydrography plotted on an overlay from Bromide H 7706

SURVEY LIMITS AND DATES -
Survey Limits are around the entrance to St. Francis Yacht Harbor, San Francisco Bay, California. Dates of survey are March 6 and 7, 1956

VESSEL & EQUIPMENT -
PIONEER Launch #4 808J Fathometer No. S111

TIDE STATION -
Predicted tides for Golden Gate, California were used as sounding reducers

CONTROL STATIONS -
The following Triangulation Stations were used for Control:
St. Francis Yacht Club Flagpole 1929 - 30
St. Francis Yacht Club Naval BN 1932
San Francisco P. G. & E. Chimney 1925
The following topographic station was used for control:
LAG

SOUNDINGS -
Soundings were obtained by 808J Fathometer S111. Bar checks indicated with an initial of 1 foot that no correction was necessary.

CONTROL OF HYDROGRAPHY -
Sextant angles on the three shore objects were used for control.

ADEQUACY OF SURVEY -
Survey is complete and adequate to supersede prior surveys.

COMPARISON WITH PRIOR SURVEYS:

Hydrography sheet H7706 shows the jetty extending in an east and west direction. The jetty has been relocated by three point fixes, positions 3a, 4a, and 5a. Since the survey in 1948, the jetty has been extending to 4a.

The new shoreline has been sketched as indicated on the enclosed tracing.

pos. 26 + 5 1/2
The shoal soundings of 13 feet about 70 yards offshore from the northerly tip of the jetty is the result of the extension of the jetty by the U. S. Army Engineers. No dangerous shoal could be found within the vicinity of the east end of the jetty.

The prior survey checks the present depths except around the new extension of the jetty.

Submitted by:

C. J. Beyma
C. J. Beyma
CDR., USCGS

Forwarded by:

W. F. Malnate
W. F. Malnate
CAPT., USCGS
Comdg. Officer
Ship PIONEER

Blue line print received in field 15 March 1956 subsequent to investigation. Photostat of the same area was used for field examination.

W. F. Malnate

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

SHIP PIONEER

P. O. BOX NO. 2089 1769

OAKLAND, CALIFORNIA

12 March 1956

To: San Francisco District Officer
U. S. Coast and Geodetic Survey
121 Customhouse
San Francisco, California

Subject: Hydrographic Investigation

Reference: Yr ltr dated 2-29-56, File: P-2.1

In reply to your instructions for hydrographic examination of the east end of the jetty leading into St. Francis Yacht Club, the field records are enclosed for your review and to be forwarded to the Director.

W. F. Malnate

W. F. Malnate
CAPT., USCGS
Comdg. Officer
Ship PIONEER

3/19/56 Forwarded to The Director
Wm Gibson

RHC

TIDE NOTE FOR HYDROGRAPHIC SHEET

~~DIVISION OF COASTAL SURVEYS:~~

20 April 1956

Division of Charts: R. H. Carstens

Plane of reference approved in
1 volume~~x~~ of sounding records for F. E No. 2 1956

HYDROGRAPHIC SHEET

Locality St. Francis Yacht Harbor, San Francisco, Cal.

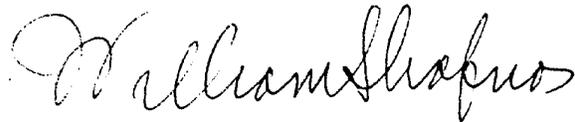
Chief of Party: W. F. Malnate in 1956
Plane of reference is mean lower low water, reading
2.0 ft. on tide staff at Presidio
13.5 ft. below B. M. 180 (1936)

Height of mean high water above plane of reference is 5.1 feet

NOTE: Tide reducers were verified by using San Francisco observations with no allowance for time or range.

Positions 1b - 28b were revised in red and verified.

Condition of records satisfactory except as noted below:



Branch
Chief, ~~DIVISION OF~~ Tides ~~and Currents~~

GEOGRAPHIC NAMES

Survey No. F.E. No. 2, 1956

Name on Survey										
	A	B	C	D	E	F	G	H	K	
										1
										2
										3
										4
										5
										6
										7
										8
										9
										10
										11
										12
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										25
										26
										27

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. F.E. No. 2, 1956

Records accompanying survey:

Boat sheets; sounding vols. 1....; wire drag vols.;
 bomb vols.; graphic recorder rolls 1-Envelope
 special reports, etc. 1-Descriptive report, 1-Tracing of Hydrographic
 Examinations, and 1-Predicted Curves.(Tide).....

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

Number of positions on sheet	.....	44
Number of positions checked	.....	12
Number of positions revised	.....	1
Number of soundings revised (refers to depth only)	.....	1
Number of soundings erroneously spaced	.....	4
Number of signals erroneously plotted or transferred	.....	0
Topographic details	Time	..... 0
Junctions	Time	..... 0
Verification of soundings from graphic record	Time	..... 1
Verification by <i>Lu Jaskind</i>	Total time	..... 3 Date 7-3-56
Reviewed by <i>Lu Jaskind</i>	Time	..... 3 Date 7-3-56

Review of Field Examination No. 2, 1956

This field examination was accomplished in compliance with instructions from the San Francisco District Officer dated 29 February 1956.

The purpose of the field examination was to investigate a dangerous shoal in the vicinity of the jetty at the St. Francis Yacht Club, reported in C. G. N to M. 118 (1955).

The results of the field examination are shown on the attached tracing.

The jetty has been extended about 65 meters in a north-easterly direction by the U. S. Corps of Engineers, with the resultant changes in bottom configuration. A depth of 13 ft. was found on the slope away from the jetty in lat. $37^{\circ}48.54'$, long. $122^{\circ}26.34'$.

A comparison of the field examination with survey H-7706 (1948-49) shows that except for differences in depth caused by the extension of the jetty, only minor differences in depths of 1 - 2 ft. have occurred.

The work was applied to Chart 5535 dated 4-30-56; the charted information is correct.

The Descriptive Report and attached correspondence adequately cover all other matters pertaining to this examination. No further discussion is considered necessary.

Reviewed by - I. M. Zeskind 7-3-56
Inspected by - R. H. Carstens

122° 27' 00"

26' 30"

26' 00"

122° 25' 30"

SAN FRANCISCO BAY
 FIELD EXAMINATION No. 2 (1956)
 East end of
 ST. FRANCIS YACHT CLUB
 March 6 & 7, 1956
 Scale - 1:5,000
 Ref. Sta. - ST. FRANCIS YACHT CLUB,
 NAVAL BN., 1932
 Lat. - 37° 48' 846.13 m.
 Long. - 122° 26' 829.85 m.
 U.S.C. & G.S.S. PIONEER
 Capt. W.F. Malnate - Cmdg.

37° 48' 30"

37° 48' 30"

ST. FRANCIS, YACHT
 CLUB, FLAGPOLE, 1929-30

ST. FRANCIS, YACHT CLUB,
 NAVAL BN., 1932

○ LAG

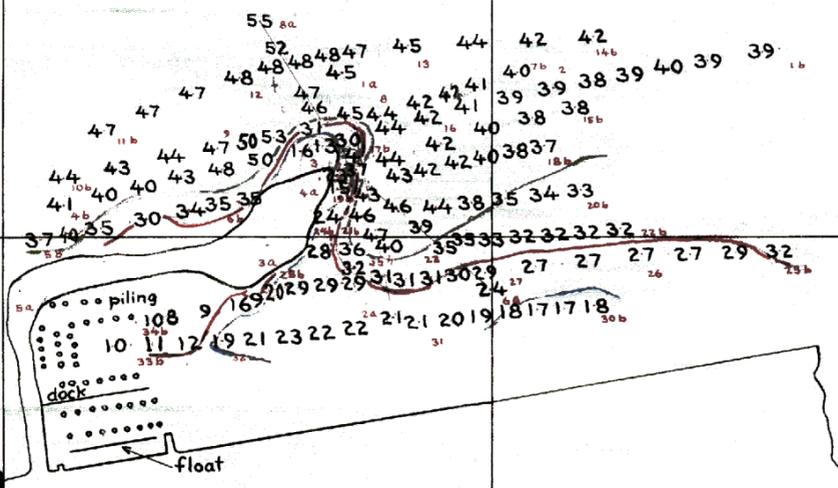
△ TRIC (SAN FRANCISCO, P.G. & E. CHY., 1925) (landmark)

122° 27' 00"

26' 30"

26' 00"

122° 25' 30"



Ø "N 4"
39 29 b

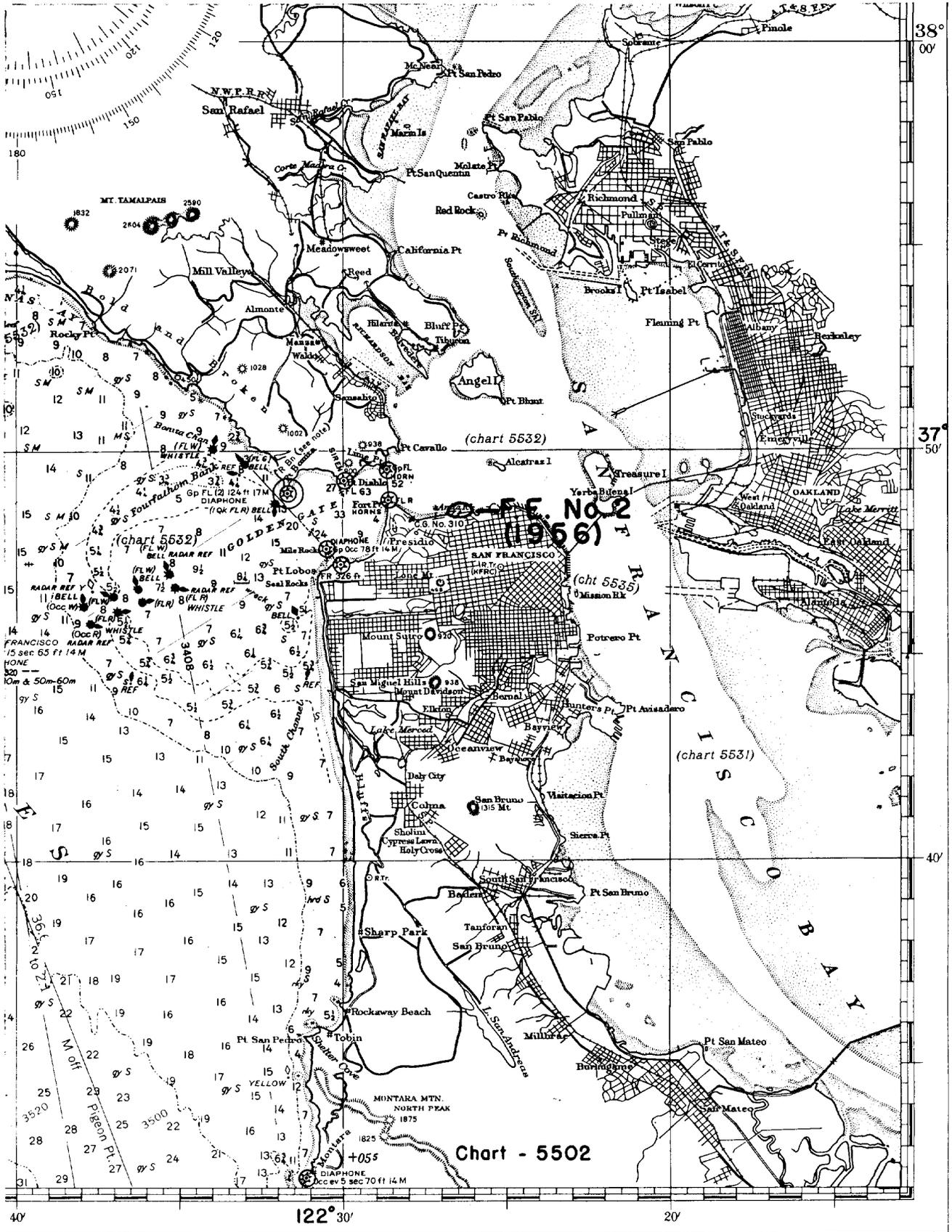


Chart - 5502

F.E. No. 2
(1956)

FRANCISCO RADAR REF 54
15 sec 65 ft 14 M
HOME
320
10m & 50m-60m
97 S

3520
M OFF
FIBROD PT 27

122° 30'

20'

38° 00'

37° 50'

40'

