## 5931

Diag'd. on Diag. Ch. No. 5530-4

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

### DESCRIPTIVE REPORT

Type of Survey SHORELINE

Field No. CS-262-B Office No. T-5931

**LOCALITY** 

State CALIFORNIA

General locality SAN FRANCISCO BAY

Locality PINOLE POINT

1943-144

CHIEF OF PARTY

G.E.Morris, Jr.

LIBRARY & ARCHIVES

DATE aug 30-1949

8-1870-1 (1)

5031

### DATA RECUMP

T- 5931

None Quadrangle (II)

Project No. (II): CS-262 B

San Francisco, riald Office: Calif.

Chief of farty; Capt. E. J. Pagenhart

Compliation Office: Tampa, Florida of Party: George E. Morris Jr. Lt. Comdr.

Instructions dated (II III): 8 Feb. 1944

Juny Miles in Division of .. court fo. ?= Photogrammetry Office Files

Completed survey received in office:

Reported to Hantical Chart seed as

Revisited: 7 Oct. 1948 Applied to chart ite.

Dates

Redraiting Completed:

Registered: 25 Aug 1949

Fullified t

Compilation Serie: 1:10,000

in liniad Scales

Scalo Festor: (TII): None

Geographic Datum (III): N.A. 1927 Datum Floro (III): M.H.W.

Reference Station (III): Oleum, Union Oil Co. Stack, 1932

Int.: 380 031 029417 (74.5m) Inne.: 122° 15' 28"030 . Adjusted (683.4m)\*\*\*\*\*\*\*\*

State Plane Coerdinated (VI):

X a

¥ #

l'ilitery Grid Zone (VI)

### PHOTOGRAPHS (III)

Number Date Time Scale Stage of Tide

14021 to 14029 6/2/43 2:30 P.M. 1:10,000 4.75 inclusive

Pinole Point (Sub. Sta.)
Side from (III): San Brancisco (Ref. Sta.)

Mean Range: 4.4' Danne: 6.1'

Camera: (kind or source) U.S.C & G.S. 9 lens, 82n focal length

Field Inspection by: C. A. Kester dete: 1944

Field Mait by: None date:

Date of Mean High-Water Line Location (III): Date of Photos

Projection and Grids ruled by (III) S.R. date: March 14, 45

" " checked by: S.R. date: " " "

Control plotted by: D.G. Singleton date: April 13, 1945

Control checked by: B.H. Lyon date:

Redict Plot by: M.M. Slavney date: July 1946

Detailed by: R.A. Reece date: August, September

Reviewed in compilation office by: J.A. Giles date: October 1946

Elevations on Field Edit Sheet date:

checked by:

### STATISTICS (III)

Land Area (Sq. Statute Miles): 16

Shoreline (More than 200 meters to opposite shore): 13 Statute mi.

Shoreline (Less than 200 meters to opposite shore): 16

Number of Recoverable Topographic Stations established: 10

Number of Temporary Hydrographic Stations located by radial plot:

Leveling (to control contours) - miles:

Roman numerals indicate whether the item is to be entered by, (II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

When entering names of personnel on this record give the surname and initials (not initials only).

Remarks:

Main	SOURCE OF UNDEX)  SOURCE OF UNDEX)  SOURCE OF UNDEX COO 42  G. P. M.A.1927   122° 21' 45.  G. P. M.A.1927   122° 21' 45.  G. P. M.A.1927   122° 11' 42.  G. P. M.A.1927   122° 11' 42.  G. P. M.A.1927   122° 11' 42.  G. P. M.A.1927   122° 16' 19.  G. P. M.A.1927   122° 16' 19.  G. P. M.A.1927   122° 16' 19.  G. P. M.A.1927   122° 14' 35.  G. P. M.A.1927   122° 14' 36.  G. P. M.A.1927   122° 14' 44.				
1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900   1900	POINOLE 4, 1940 G. P. MA 1927 122° 21' 56' 56' 56' 56' 56' 56' 56' 56' 56' 56		DATUM	N.A. 1927 - DATUM DISTANCE: OM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	DISTA
PUNOLE WORLD  138 ° 00' 59, 352"   1834.3  PUNOLE WORLD  138 ° 00' 59, 352"   1634.3  PUNOLE WORLD  122 ° 2' 45.17"   1/0.6  PONDER CO  PONDER	PINOLE 4,1946 G. P. M.A.1927 122° 21'56  POWDE E WINNE G. P. M.A.1927 122° 21'45.  POWDE R. C. P. M.A.1927 122° 21'45.  POWDE R. C. P. M.A.1927 122° 21'45.  POWDE R. C. P. M.A.1927 122° 16'19  TREE POINT  POWDE R. C. P. M.A.1927 122° 16'19  TREE POINT  POWDE R. C. P. M.A.1927 122° 16'19  TREE POINT  POWDE R. C. P. M.A.1927 122° 16'19  TREE POINT  POWDE R. C. P. M.A.1927 122° 16'19  TREE POINT  POWDE R. C. P. M.A.1927 122° 16'19  TREE POINT  POWDE R. C. P. M.A.1927 122° 14'36  STACK ON  STACK	.163"			•
POWDER CO. C.P. MA1927 122°21' 45.117' 1100.6  POWDER CO. C.P. MA1927 122°61' 45.157' 1560.5  POWDER CO. C.P. MA1927 122°61' 45.157' 1560.5  POWDER CO. C.P. MA1927 122°61' 46.97' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174' 16.174	FONNT. 1911 G. P. N.A.1927 122°21' 45.  POWDER CO G. P. N.A.1927 122°21' 45.  FREE POINT G. P. N.A.1927 122°16' 19.  TREE POINT G. P. N.A.1927 122°14' 44.  TREE TACK Nº Z. G. P. N.A.1927 122°14' 44.  STACK Nº Z. G. P. N.A.1927 122°14' 48.  STACK Nº Z. G. P. N.A.1927 122°14' 48.	3/9"			
PENNILLARY G.P. MANAST 122-21' 45.117' 1'00.6  POWDER C.  FORMORE C.  MANAST 122-1/42533 1083.  SP - 62' 19045" 560.5  FORMORE C.  MANAST 122-1/6' 19.550" 476.7  FORMORE C.  MANAST 122-1/6' 19.550" 468.7  FORMORE C.  MANAST 122-1/6' 19.550" 663.4  FORMORE C.  MANAST 122-1/6' 19.550" 663.4  FORMORE C.  FORMORE C.  MANAST 122-1/6' 19.550" 663.4  FORMORE C.  MANAST 122-1/6' 19.550" 663.4  FORMORE C.  FORMORE C.  MANAST 122-1/6' 19.550" 663.4  FORMORE C.  FORMORE C.  MANAST 122-1/6' 19.550" 663.4  FORMORE C.  FORMORE C.  FORMORE C.  MANAST 122-1/6' 19.550" 663.4  FORMORE C.  FORM	POINT, 1911 G. P. M.A. 1922 122° 21' 45.  POWDER CO R. M.A. 1922 122° 21' 45.  REE POINT  O(U.S.E.) 1903 G. P. M.A. 1927 122° 11' 41'  O(U.S.E.) 1903 G. P. M.A. 1927 122° 16' 19.  REE POINT  E STACK 1911 G. P. M.A. 1927 122° 16' 19.  COUNTON OUL G. P. M.A. 1927 122° 16' 19.  STACK Nº 2 G. P. M.A. 1927 122° 14' 32'  STACK Nº 2 G. P. M.A. 1927 122° 14' 36'  STACK Nº 2 G. P. M.A. 1927 122° 14' 36'  STACK Nº 2 G. P. M.A. 1927 122° 14' 44  STACK Nº 2 G. P. M.A. 1927 122° 14' 44  STACK Nº 2 G. P. W.A. 1927 122° 14' 44  STACK Nº 2 G. P. W.A. 1927 122° 14' 44  STACK Nº 2 G. P. W.A. 1927 122° 14' 44  STACK Nº 2 G. P. W.A. 1927 122° 14' 48	952"			
PONDER C. G. P. MA. 1927 122° 21' 42' 353" 1033.4  PREE POINT  PRE	POWDER CO RETANK REE POINT REE POINT COUSES) 903 G.P. NA.1927 122° 21' 42  TREE POINT COUSES) 903 G.P. NA.1927 122° 16' 19  COUSES) 903 G.P. NA.1927 122° 16' 19  COUSES STACK 1911. G.P. NA.1927 122° 15' 25  EY 1929 G.P. NA.1927 122° 15' 25  EY 1932 G.P. NA.1927 122° 14' 36  STACK Nª 2 G.P. NA.1927 122° 14' 36  STACK ON STACK				-
TREE FOLKT       G.P. MA 1927 122° 21' 42' 353" 1033.4       587.2         OCUSSA) 1904       587.2       587.2         OCUSSA) 1904       580.2       476.7         CENTER FOLKT       38° 02' 18 18" 560.5       476.7         ESTACK 1811       58° 02' 18 18" 560.5       469.7         CENTER FOLKT       58° 02' 18 18" 560.5       469.7         CENTER FOLKT       58° 03' 18 550" 68.3       67.3         CHINAL, 1912       122° 15' 12.5       126° 15' 12.5         CHINAL, 1912       122° 15' 12.5       126° 15' 12.5         CHINAL, 1912       122° 15' 16' 12.5       126° 16' 16' 16' 16' 16' 16' 16' 16' 16' 16'	FREE POINT  FREE FOUNT  FREE F				
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6. P. MA.927 122°16' 19.26' 469.7  6. P. MA.927 122°15' 25.077" 611.4.  6. P. MA.927 122°17' 95' 695.6  6. P. MA.927 122°17' 967' 895.7  6. P. MA.927 122°17' 44.867" 575.9  6. P. MA.927 122°17' 44.867" 1093.8  6. P. MA.927 122°17' 48.418" 1180.4	6. P. MA.1927 1220 16' 19 6. P. MA.1927 1220 16' 19 6. P. MA.1927 1220 15' 28 6. P. MA.1927 1220 15' 28 6. P. MA.1927 1220 14' 48 6. P. MA.1927 1220 14' 44 58. 03' 16. 58. 03' 17. 58. 03' 17. 58. 03' 17. 58. 03' 18. 58. 03' 18.	550"			
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### Field Inspection T-5931

The Field Inspection Report for Air Photographs by C. A. Kester, Project Ca-262-B, Sheets T-5927 - 28 - 31 is filed in the Division of Photogrammetry General File.

### MAIN RADIAL PLOT SHEET No. T-5931 PROJECT No. 262 (CALIFORNIA)

The projection for this sheet was received in this office on 25 August 1944. Control was carefully plotted and checked by members of the control section using the beam compass and meter bar method.

A circle with a 14 inch radius was drawn on each photograph in order to facilitate use of the central portions of photographs in preference to the outer extremities, which may be affected in marked degree by excessive paper distortion.

Pass points were selected in a regular quadrilateral scheme, in order to strenghten the graphic control scheme, as represented by the main radial plot. All azimuths and cross azimuths were established means of the stereoscope and radial liner method.

All photographs used for this plot were printed on unmounted acetate impregnated paper thus necessitating treatment for the effect of paper distortion. This has been accomplished by the use of non-shrinking vinylite material on which rays have been drawn to the corners and to the mid-points of the sides of a square format. The templets were made by adjusting these rays to the corners and to the collimation marks of the photographs when drawing radials to control and pass points.

Discussion of the main radial plot follows:

### A. CONTROL

The following control stations were used in running this plot:

POINT PINOLE 4, 1940 (SUBSTITUTE STATION)
PINOLE POINT, GIANT POWDER COMPANY WATER TANK, 1932
WILSON 2, 1896 (SUBSTITUTE STATION)
RICHMOND, AIRWAY LANDMARK BEACON, 1932 (SUBSTITUTE STATION)\* EAST WATER TANK, 1944
HIGHER TRANSMISSION TOWER, 1944
LONE TREE POINT, IRON ROD, U. S. E., 1903 (SUBSTITUTE STATION)
OLEUM, UNION OIL COMPANY STACK, 1932
SELBY STACK, NO. 2

& Used in plot, but outside sheet limits.

The control for this plot is well distributed over the entire area covered and has been properly identified; therefore, the plot may be considered well controlled.

The 9-lens photograph coverage was sufficient both for radial plotting purposes and for detailing except in the area south of Latitude 38° 00' 20" and east of Longitude 122° 15' 20". In this area photograph coverage was sufficient only for two cut intersections. While it is believed that the pass points which have been established in this area have strong positions it is suggested that no detailing be attempted in any part of the sheet where it has been impossible to secure three point intersections. This is suggested primarily because the rugged nature of the terrain will cause difficulty in properly detailing from the outer extremes of the photographs and not because of any implied probability of radial plot error.

### C CLOSURE AND ADJUSTMENT

The plot was laid in the usual manner. The templet with the strongest fix on control was laid first with templets with progressively weaker fixes following in order. Very good intersections were obtained throughout and all control was held on all photographs.

### D AREAS OF QUESTIONABLE ACCURACY

It is believed that all parts of this sheet fall within the prescribed limits of accuracy.

When this plot was laid a discrepancy in the position of identical points on the junction of T-5931 and T-5941 was discovered. This discrepancy was about thirty-five meters at the extreme south end of the junction and became progressively less to the northward. At the shoreline, in the vicinity of latitude 38° 01', all points were in good agreement. A sufficient portion of the plot for T-5941 was re-run using triangulation station HIGHER TRANS\* MISSION TOWER, 1944 which was not available for the original radial plot for T-5941 to effect a satisfactory junction with T-5931.

It may be noted that the eastern portion of the radial plot for T-5931 was re-run at the same time. This work verified the plot for T-5931 and the entire plot was carried far enough into T-5941 to assure good results. The necessary changes will be made on T-5941 in accordance with this radial plot.

### E. GENERAL

Pass points were picked on the projection and have been indicated with blue inked circles of 2.8 and 1.5 mm radii. Photograph centers have been indicated by the use double blue circles of 4.0 mm and 2.0 mm radii.

Respectfully submitted,

Bennie H. Lyon Asst. Photo. Engr.

Forwarded through

George E. Morris,

Chief of Party.

Milton M. Slavney Photo. Engineer.

## TO ACCOMPANY MAP MANUSCRIPT No. T-5931 PROJECT CS 262 B

### 26 and 27 CONTROL AND RADIAL PLOT

Bennie H. Lyon and A special report by/M. M. Slavney, Asst. Photogrammetric Engineers covering main radial plot is submitted herewith.

Attention is called to a letter from Capt. E. J. Pagenhart, dated Feb. 27, 1945 stating that all necessary notes and forms covering the triangulation and topographic stations have been forwarded to the Washington office.

### 28 DELINEATING.

. The delineating of this Map Manuscript has been done according to the current instructions for this project dated Feb. 8, 1944.

The photographs used for delineating were satisfactory, however, the field inspection was not. Instances where the field inspection was inadequate and incomplete will be noted later.

In the delineation of this map manuscript a 14,000 series of photographs dated 6/2/43 was used for the most part. A 5400 series of photographs dated 5/15/413 used in delineating adjoining sheet No. T-5941, was only used in making a junction.

### 29 SUPPLEMENTAL DATA.

Right of Way and Track Maps V-35/19 and V-35/20 were used in the delineation of railroad tracks in the area covered by them.

### 30 MEAN HIGH WATER LINE.

The Mean High Water Line has been shown according to field inspection notes, where field inspection notes were made. Only a small portion of the Water Line was outlined, and only a few marshes were labeled by field inspector, so they were located under the stereoscope.

### 31 LOW WATER AND SHOAL LINES

None were recovered by the field inspector.

### 32 DETAILS OFFSHORE FROM THE HIGH WATER LINE.

Very few offshore details, were located by the field inspector. All details discernible with the aid of stereoscope are shown.

### 33 WHARVES AND SHORELINE STRUCTURES.

Wherever they appeard on the photographs they have been delineated as indicated.

### 34 LANDMARKS AND AIDS TO NAVIGATION.

All Landmarks and Aids to Navigation recovered by field party have been listed on form No. 567 and made a part of this report.

### 35 HYDROGRAPHIC CONTROL.

Instructions to field party, dated February 8, 1944, state that no hydrographic stations need be selected by them for this project.

### 36 LANDING FIELDS AND MERONAUTICAL AIDS.

None are shown on the map manuscript.

### 37 FIELD INSPECTION INADEQUACIES.

Field inspection was very scant and left too much to the imagination of the draftsman. Roads, among other things, were not labeled or classified to any extent. It was not easy to discern between the roads, trails and firebreaks in many instances. Many trails, visible on the photographs, have the appearance of not being permanent and of any consequence, have not been marked "out" by the field inspector.

Vegetation was not labeled. The field inspector did not differentiate between brush or scrub growth and tree covered areas. Limits of vegetation and cultivation have been shown as discerned by the draftsman. Fences, ditches, hedges etc. were not indicated nor were temporary ground lines seperated from permanent features. You can hardly call the field inspection "satisfactory" on this project.

### 44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES.

U > G > S

Comparisons were made with two quadrangles done by the <u>Coast</u> and <u>Geodetic Survey</u>. Survey on the earlier one was made in 1896 and 1899. The sheet is quite old and of such a small scale (1:125,000) so as to make any detailed comparison impossible.

Survey on the latest quadrangle was made in 1913-14. The scale is larger (1:62,500), but still too small to make much of a detailed comparison, but in general the shoreline shows little change.

### 45 COMPARISON WITH NAUTICAL CHARTS.

Chart No. 5533, scale 1:40,000, published by the U. S. Coast and Geodetic Survey, bearing a print date of Aug. 4, 1942, was used for comparison. The shoreline and details in general compare quite favorably with photographs used in delineating.

Approved and Ferwarded Michard A. Reece

Engineering Draftsman

Lt. Comdr. George E. Morris Jr.

## DEPARTMENT OF COMMERCE FODETIC SURVEY U. S. COAST AND

# ANONHOUS MARKASANDENDENDE LANDMARKS FOR CHARTS

STRIKE OUT ONE TO BE CHARTED

Tampa Photogrammetric Office

Sept. 30

I recommend that the following objects which have the transfered been inspected from seaward to determine their value as landmarks, be charted on the charts indicated.

lawsey. Photogrammetric Aid The positions given have been checked after listing by

Lt. Comdr. George E.

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This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

Form 567 April 1945

DEPARTMENT OF COMMERCE FODETIC SURVEY U. S. COAST AND

# MONFELOXAMMENATION LANDMARKS FOR CHARTS

TO BE DELETED TOXBEX SHIARRES

STRIKE OUT ONE

Tampa Photogrammetric Office

30 Sept.

I recommend that the following objects which have (harding) been inspected from seaward to determine their value as landmarks, be drawed analysis (deleted from) the charts indicated. ان ان

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Chief of Party. E. Morris

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aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given. This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating

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### Division of Photogrammetry

### Review Report of

### Shoreline Survey Manuscript T-5931

(This compilation originally planned and indexed as a Planimetric Map, was changed to a Shoreline Survey due to the inaccurate detailing and lack of Field Inspection information of all inshore areas.)

Subject numbers not used in this report have been adequately covered in other parts of the Descriptive Report.

### 26. Control

All Triangulation Stations falling within the limits of the map manuscript are listed on form M-2388-12 (attached to the descriptive report). Stations underlined in red were added during review.

### 28. Detailing

The map manuscript detail is not in good agreement with the photographs and many of the features on the map manuscript had not been identified. The shoreline was revised to agree with the photographs; but no attempt was made to correct or supplement the inshore information. The limit for drafting detail has been outlined on the map manuscript. This shoreline-survey adjoins two other shoreline-surveys toothe south, T-5927 and T-5928.

### 44. Comparison with Existing Topographic Surveys:

*					
T-316	1:10,000	1851	T-2445 a	1:10,000	1909
T-561	1:10,000	1855	T-3126	1:10,000	1911
T-562	1:10,000	1856	Т-1696 а	1:10,000	
T-1696	1:10,000	1886	T-1697 a	1:10,000	1921
T-1697	1:10,000	1886	T-4022	1:10,000	1921
T-2445	1:10,000	1896	T-6733	1:10.000	1939

### 45. Comparison with Nautical Charts

5533 1:40,000 1940a(48+3/8)

### 51. Application to Nautical Charts

This map manuscript has not been applied to Nautical Chart 5533 as of the date of this review report.

Reviewed by:

Under direction of:

7 October 1948

Approved by:

Technical Assistant to Chief Division of Photogrammetry

Chief, Nautical Che Division of Chart's

### NAUTICAL CHARTS BRANCH

### SURVEY NO. 75931

### Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
2/10/47	5 533	Malker	Before Arter Verification and Review
		0	Examined-not applied
2/14/57	5534	Jowalley Jowalley	Consider as completely applied
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M-2168-1

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.

+5931

17 March 1950

Rear Admiral K.T. Adams Acting Director United States Coast and Geodetic Survey Department of Commerce

Dear Admiral Adams:

Your memorandum, file No. 731-eal, dated 12 December 1949, addressed to the Director of Intelligence, United States Air Force, forwarding seventeen (17) maps for security clearance, was referred to the Assistant Chief of Staff, 0-2 for action.

There is no objection to the publication of the following maps as unclassified:

T-5920 Point Avisadero - Point San Bruno T-5929 San Quentin - California City T-5931 Davis Point - Pinole Point T-5936 Vallejo, California

Provided minor deletions are made as indicated on each map, there is no objection to publication of the following maps as unclassified:

T-5922 (NeS) San Francisco Bay and Oakland Area, California T-5923 San Francisco Bay and Oakland Area, California T-5924 (NeW) San Francisco Bay and Oakland Area, California T-5928 San Francisco Bay and Oakland Area, California T-5939 San Pablo Bay Area, California T-5941 Suisan Bay Area, California T-5942 (2 sheets) Suisan Bay Area, California T-5943 Suisan Bay Area, California

The remainder of the maps forwarded with your memorandum have not yet been returned from the field agencies where they were sent for examination. Follow up action has been taken requesting that the return of the maps be expedited.

Sincerely,

1 Incl 12 maps (as listed above)

ERNEST A. BARLOW Colonel, CSC Chief, Security & Training Division the Assistant Chief of Staff, C2