5942

5945

Diag. Cht. No. 5534-1

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Planimetric
Type of Survey Air Photo Compilation

Field No. Office No. T-5942

LOCALITY

State Dalifornia

General locality San Francisco Bay

Locality Carquinez Strait

CHIEF OF PARTY

K.G.Crosby

LIBRARY & ARCHIVES

DATE Jame 18-1950

B-1870-1 (I

DATA RECORD

T_ 5942

Quadrangle (II):

Project No. (II): 26 3

Field Office: San Francisco, Chief of Party: L. D. Graham Calif.

Compilation Office: Tampa, Fla. Chief of Party: K. C. Crosby

Instructions dated (II III):9-4-41 Copy filed in Description Report No. T-

Photogrammetry Office

Completed survey received in office: 5-8-43

Reported to Nautical Chart Section: May 43

Reviewed: 12-16-48 Applied to chart No.5534 Date: clune 1943 5575 7 May 1945

Redrafting Completed: 9-20-49

Registered: 4-27-50 Published: 4-8-50

Compilation Scale:1:10,000 Published Scale: //0,000

Scale Factor (III): 1.00

Geographic Datum (III): N.A. 1927 Datum Plane (III): MeSala

Reference Station (III): Suisun Point 2, 1886

State Plane Coordinates (VI): California, Zone 3 (primary)
Zone 2 (secondary)

Y =

x =

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
5426	5/15/41	1:05	1:10,000	+ 0.1
5427 -	17	"		
5428	"	1:06	11	"
5429	"	11	"	n .
5437	"	1:12	**	+ 0.15
5447	" .	1:19	"	"
6324	9/3/41	11:08	"	+ 4.2
6325	T I	11:09	"	+ 4.3
5510	5/18/41	11:51		+ 1.4
5511	"		"	"

NAVY PHOTOS OF 1945 were used in making corrections as shown on T-594Z in red acetate ink. Acc. 1263

Tide from (III): Mean between Suisun Pt. & Benicia, Army Pt. Ref. Sta.:

San Francisco

Mean Range: 4.1 Ft. Spring Range: 5.6 Ft.

Camera: (Kind or source) U.S.C. & G.S. 9 lens $(8\frac{1}{4})$ focal length)

Field Inspection by: W.J.Chovan, Lieut. (j.g.) date: 1941
W.C.Russel, Lieut. (j.g.)

Field Edit by: None date: —

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

Projection and Grids ruled by (III) W.C.B., Wash. Offcdate: 10-4-42

" " checked by: " " date: 10-4-42

Control plotted by: H.A. Duffy, Prin. Photo. Aid date: 10-7-42

Control checked by: B.O.Bryant, Sr.Photo.Aid date:10-7-42

Radial Plot by: Tampa Office Personnel date: 10-9-42

Detailed by: R. Dossett, Sr. Photo. Aid date: 1942

Reviewed in compilation office by: date: Nov.-Dec. '42
A.L.Kidwell, Jr. Topo. Engr.; J.A. Giles, Asst. Photo. Engr.; F.H. Elrod, Sr. Photo. Aid

Elevations on Field Edit Sheet checked by: Not applicable

date: -

STATISTICS (III)

Land Area (Sq. Statute Miles): 20.8

Shoreline (More than 200 meters to opposite shore): 8.05 Statute Mi.

Shoreline (Less than 200 meters to opposite shore): 13.1 "

Number of Recoverable Topographic Stations established: 31

Number of Temporary Hydrographic Stations located by radial plot: 3

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:

C	SOURCE OF INFORMATION (INDEX)	ратим					
C	(INDEX)	E 0 140	LATITUDE OR V-COORDINATE	DISTANCE FROM GRID IN FEET.	DATIIM	N.A. 1927 - DATUM DISTANCE	
G.P. MAST (22° 04' 57.82° 1.782.7; ". 122° 04' 149.93° 15.34 + ". 122° 04' 25.136" 61.30 ". 122° 04' 24.08' 863.3 ". 122° 04' 11.37' 343.4 ". 122° 04' 11.37' 343.4 ". 122° 04' 11.37' 343.4 ". 122° 04' 11.37' 343.4 ". 122° 04' 11.37' 343.4 ". 122° 04' 11.37' 343.4 ". 122° 04' 11.37' 343.4 ". 122° 04' 11.37' 343.6 ". 122° 04' 21.32' 125.6 ". 122° 04' 21.32' 225.1 ". 122° 04' 21.32' 253.3 ". 122° 04' 21.32' 253.6 ". 122° 04' 21.32' 253.6 ". 122° 04' 21.32' 253.6 ". 122° 04' 21.32' 253.6 ". 122° 07' 09.70' 25.15.9	9		LONGITUDE OR x-COORDINATE	OR PROJECTION LINE IN METERS FORWARD (BACK)	CORRECTION	FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	
6.P. M. 1327 122 · 06 · 16.89 · · · · / · / · / · / · / · / · / · /	9	1	0 04'57.82	1.782.7			
		14.1927	06' 16.89	9.11.4			
"" " 122.06' 25.36" 6/3.0 " 36.04' 29.08' 896.6 " 122.07' 19.43" 473.6 " 122.07' 20.95" 570.6 " 122.07' 10.95" 543.4 " 122.07' 10.95" 543.4 " 122.07' 10.95" 11.35.6 " 122.07' 10.95" 11.35.6 " 122.07' 10.95" 11.35.6 " 122.07' 10.95" 11.35.6 " 122.07' 10.95" 11.35.6 " 122.07' 10.95" 11.35 " 122.07' 10.95" 11.35 " 122.07' 10.95" 11.35 " 122.07' 10.95" 11.35 " 122.07' 10.95" 11.35 " 122.07' 10.95" 11.35 " 122.07' 10.95" 11.35 " 122.07' 10.95" 11.55 " 122.07' 10.95' 11.55 " 122.07' 10.95' 10.55' 11.55 " 122.07' 10.95' 11.55 " 122.05' 11.55 " 122.05' 11.55 " 122.05' 11.55 " 122.05' 11.55 " 122.05' 11.5			01,49.930	1539.4		,	
" " 38° 04' 29.08' 896.6 " " 38° 04' 28.00' 863.3 " " 122° 07' 20.95' 570.6 " " 122° 07' 20.95' 570.6 " " 122° 04' 46.507' 1.133.6 " " 122° 04' 46.507' 1.133.8 " " 122° 04' 46.507' 1.133.8 " " 122° 04' 46.503' 494.4 " " 122° 04' 09.232' 225.1 " " 122° 04' 09.232' 225.1 " " 122° 04' 56.724' 895.6 " " 122° 04' 56.724' 895.6 " " 122° 04' 56.724' 895.6 " " 122° 04' 56.724' 895.6 " " 122° 04' 56.724' 895.6 " " 122° 04' 56.724' 895.6	VINDMILL, 1939." VATER TANK NEAR STATION BAY, 1939." BAY, 1939.	,,	06 25	613.0			
7. " 122.07' 19.43" 473.6 28.04' 28.00' 863.3 122.07' 20.95' 570.6 38.04' 11.37' 343.4 22.06' 46.507' 1/33.6 " 122.08' 19.743' 451.3 28.05' 02.04" 63.1 " 122.07' 45.033' 1098.0 " 22.07' 46.18' 1423.8 " 122.07' 46.18' 1423.8 " 22.04' 36.724' 29.56.1 " 22.04' 29.332'' 289.9 " 22.04' 29.355'' 715.9 " 22.04' 29.355'' 715.9 " 22.04' 29.355'' 715.9			2,40.	9.968			
10 10 10 10 10 10 10 10		<i>"</i> =	1 , 60	473.6			
6AV, 1939 " 122 ° 07' 20.95" 570 6 939 . " 122 ° 04' 11.37" 543.4 721 886 " 122 ° 04' 11.37" 543.4 721 886 " " 122 ° 08' 19.745" 48.53 721 886 " " 122 ° 07' 145.035" 1096.0 722 07' 145.035" 1096.0 738 ° 02' 146.18" 1423.8 792 " " 122 ° 07' 124" 1271.3 792 " " 122 ° 04' 09.232" 228.9 794 " " 122 ° 04' 29.352" 289.9 794 " " 122 ° 04' 29.352" 289.9 795 " " 122 ° 04' 29.352" 289.9 795 " " 122 ° 04' 29.355" 715.9 795 " " 122 ° 04' 29.355" 715.9 795 " " 122 ° 04' 29.355" 715.9 795 " " 122 ° 04' 29.355" 715.9	BAY, 1939		, 40	863.3			
339	844, 1939	*	07'	510.6			
74.0K 1922 " 38° 05° 16.036" 49,44 TANK 1922 " 38° 05° 16.036" 49,44 TEZ: 08° 19.743" 48.13 TEZ: 08° 19.743" 18.13 TEZ: 08° 19.743" 18.13 TEZ: 08° 19.743" 18.13 TEZ: 09° 18° 19.743" 18.13 TEZ: 09° 18° 19.743" 18.13 TEZ: 09° 18° 19° 18° 19° 18° 19° 19.44 " ZZ: 04° 36° 12° 18° 18° 18° 18° 18° TEZ: 04° 26° 18° 18° 18° 18° 18° 18° 18° TEZ: 04° 26° 18° 18° 18° 18° 18° 18° 18° TEZ: 04° 26° 18° 18° 18° 18° 18° 18° 18° TEZ: 04° 28° 18° 18° 18° 18° 18° 18° TEZ: 04° 28° 18° 18° 18° 18° 18° 18° 18° TEZ: 04° 29° 18° 18° 18° 18° 18° 18° TEZ: 04° 18° 18° 18° 18° 18° 18° 18° TEZ: 04° 18° 18° 18° 18° 18° 18° TEZ: 04° TE	BAY, 1939		,40	343.4			
70.0K 1922 " 38° 03′ 16.036" 494.44 T.2./886 " " 122° 08′ 19.743" 48.13 T.2./886 " " 122° 03′ 02.046" 63.1 T.2./909 " 122° 07′ 45.033" 1096.0 1922 " 122° 07′ 45.23" 386.1 1944 " 122° 04′ 36.724" 895.6 1944 " " 122° 04′ 36.724" 895.6 1015.601.600,		"	06 ' 46	1133.6			
TANK 1922			03' 16	494.4			
772,/886 "" " 122.07 45.033" 1098.0 24.20 " " 122.07 45.033" 1098.0 25,1909 " " 122.07 45.033" 1098.0 1922 " " 122.07 52.14" 127.3 38.03 12.523" 386.1 914 " " 122.04 9.232" 225.1 1914 " " 122.04 9.232" 289.9 1915.004	.		19	481.3			
772,886. " " 122.07' 45.033" 1098.0 9WER, " 38° 02' 46.18" 1423.8 1922 " 122.07' 52.14" 1271.3 1914. " 122.04' 09.232" 225.1 1914. " 28° 02' 09.402' 289.9 1932. " 28° 01' 51.069" 1574.6 1932. " 28° 01' 51.069" 1574.6 158° 01' 51.069" 1574.6 158° 02' 7.882" 551.3 158° 02' 7.882" 551.3		<u></u>	03'02	63.1			
1922 " " 122°07' 52.14" 1271.3 1922 " " 122°07' 52.14" 1271.3 1944 " " 122°07' 52.14" 1271.3 1914 " " 122°04' 92.32" 225.1 1914 " " 122°04' 36.724' 895.6 1932 " " 122°04' 29.355" 715.9 158001' 51.069" 1574.6 158002' 71.882" 551.3 162007' 09.701" 236.6		*	07' 45	1098.0			
1922 " 122.07 52.14" 1271.3 1922 " 28.03 12.523" 386.1 1914 " 122.04 09.232" 225.1 1914 " 122.04 09.232" 225.1 1914 " 122.04 29.252" 289.9 1915	CLOCK TOWER,		02'	1 423.8			
922 "		,	,20	1271.3			
1914. " 122°04'09.232" 225.1 1914. " 122°04'36.724' 895.6 1915. " 122°04'36.724' 895.6 1916. " 122°04'29.355" 715.9 154. " 122°07'09.701" 236.6			03'	386.1	·	,	
1914. " " 38° 02' 09.402" 289.9 1914. " " 122° 04' 36.724" 895.6 1932. " " 122° 04' 29.355" 715.9 14.51 CANLROAD, " 38° 02' 17.882" 551.3 15.54 CON, " " 122° 07' 09.701" 236.6	7761	•	60.40	225.1			
1914. "" (122°04" 36.724" 895.6 ", 38°01" 51.069" (574.6 "932." "" (122°04" 29.355" 715.9 "SEACON, "" (122°07" 09.701" 236.6			09.	289.9			
SSOCIATED OIL CO., " 122°04'29.355" 1574.6 STACK, 1932 . " 122°04'29.355" 715.9 WHEN PLAIR PAIR PAIR PAIR PAIR PAIR PAIR PAIR P	19/4	<i>'</i>	04'36.	895.6			
57.4CK, 1932 " (22°04' 29.355" 715.9 WYHERN PACIFIC RAIL RAID, 1932 " (22°07' 09.701" 236.6 1FT.=. \$04800\$ METER	AVON,		01'51.	1574.6			
UTHERN PACIFIC RAILROAD, " 38 ° 02' 17.882" 551.3 UMTION SEACON, " " 122 ° 07' 09.701" 236.6	``	*	29.	715.9			
1932 " " 122° 07' 09.701" 236.6	87	1	17.	551.3			
FT = .3048006 METER	1932	*	07:09.701	236.6			
							M · 2388 - 12

NATE DISTANCE FROM GRID IN FEET. NATE DISTANCE FROM GRID IN FEET. DATUM SPROJECTION LINE IN METERS GORRECTION SPROJECTION LINE IN METERS GORRECTION SPROJECTION LINE FROM GRACK GRACK GRACK SPROJECTION LINE FROM GRACK GRAC	MAP T. 591	+20:	PROJEC	T NO. 2624	SCALE OF MAP 1:10 000	0000	SCA L FACTOR	(Z)
6.0. MA.1927 122 06' 55.3/8" 177.7 " 122 06' 55.3/8" 1422.2 " 122 08' 56.429" 15.23 " 122 09' 546.429" 158.6 " 122 07' 59,560" 1452.8 " 122 07' 59,560" 1452.8 " 122 07' 59,560" 1452.8 " 122 07' 59,560" 1452.8 " 122 07' 59,560" 1452.8 " 122 07' 59,560" 1452.8 " 122 07' 59,560" 1452.8 " 122 07' 59,560" 1452.8	STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR "-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
# 122°06'46'429' 118'6 # 122°06'46'429' 1132.3 # 122°08'56,928" 1388.6 # 58°0' 1452.8 # 51870ns underlined in sed were added during seven: # 51870ns underlined in sed were added during seven: # 51870ns underlined in sed were added during seven:	SUISUN POINTZ,	0	N.A.1927	02'05.762	11 1			
### 5/3/pns underlined in red wate added during raven: Alabana underlined in red wate added during raven:	BULLS HEAD POINT MOCOCO FERTILIZER CO. STACK, 1922			· 02' 03.846 · 06' 46.429	118.6			
# 5107 bns underlined in red were added during caview. # 5107 bns underlined in red were added during caview. # 5107 bns underlined in red were added during caview.	GROVE (USE),			56.928	447.3			
# Stations underlined in red ware added during raview: GRECKED BY. CHECKED BY. DATE.	MARTINEZ, COURTHOUSE,	,,,,	"	.10				
# Stotlons underlined in red ware added during review: The state of t								
* Stations underlined in red were added during raview: The state of t								
# Stations underlined in red were added during review: CHECKED BY: CHECKED BY:								
ETER DATE		Stati	un suc	in red	added during	view.		
ETER CHECKED BY								
ETER DATE CHECKED BY:						*		
ETER DATE CHECKED BY:								
ETER DATE CHECKED BY:					•		-	
	COMPUTED BY:		DA	T E	CHECKED BY:			M : 2388-12

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR V-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
The following		Sweite We	re reported by For	desy as lost or	destro		
SHELL, 1922							
5HORE, 1922	-						
WARTINEZ EAST,		Ţ					
516NBOARD, STAN,							
STAND, 1914							
FAR, 1909							
154AND, 1851							
NEAR, 1909							
BELL, 1914							
POINT EDITH POST LIGHT, 1909							
SIGN, 1914							
FT.= 3048006 METER				20 00 00 00 00 00 00 00 00 00 00 00 00 0			M-2388-12

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN NETERS FORWARD (BACK)
8022,1886							
AVON, TOWER							
BRICK, 1914							
P1LE, 1914							
TIN, 1914							
PIPE, 1914							
SUISUN POINT (USE) 1922							
	•						
1 FT.=,3048006 METER COMPLITED BY			DATE	200			M+2386-12

Field Inspection

Field inspection data for the area of T-5942 are contained in the "Field Inspection Report - Suisan Bay Area, California" submitted by W. C. Russell" "HThis report is filed in the Division of Photogrammetry, General Files.

COMPILATION REPORT TO ACCOMPANY SHEET NO. T-5942

CONTROL

There was adequate control on this sheet to insure a good radial plot. Eleven triangulation stations appear on the sheet. All triangulation stations except one "HEDGE" were held to in running radial plot. In addition to the triangulation stations there are a large number of topographic stations for which the geographic positions have been furnished this office.

H. & T. station "Traf 7" plots 1 minute out in Latitude. The G.P. furnished with the description shows this station to be at Latitude 38° 02'. The description itself, places the station along the railroad and the railroad is at Lat. 38° 03'. The station could not possibly be at Lat. 38° 03' or along the railroad if the published geographic position 38° 02' were correct.

The geographic position for H & T station "Over" is apparently incorrect. The latitude is out about 70 meters. The geographic position furnished this office gives "Lat. 380 05' 249 m.". According to topographic sheet T-6735 and the detail on this sheet (T-5942) the approximate distance should be 179 meters.

MAIN RADIAL PLOT

Discussion of the radial plot which includes this sheet has been made a part of the descriptive report for sheet T-5945. Filed in the Bureau Archives.

DETAILING

The photographs used in detailing this sheet were generally clear and the scale was found to be reasonably good.

Field inspection was adequate along the shoreline. Inland, however, notes were too sparse to be considered sufficient. Previous drafting experience enabled the draftsman to classify vegetation where notes were not given and in those areas which were questionable other experienced draftsmen were consulted and it is believed that an accurate interpretation has been obtained.

In the vicinity of Benicia there is an area recently acquired by the Government for the Benicia Arsenal. There are two flights of photographs showing this area. One made in May 1941, and one in September 1941. The September photographs show the newly acquired area as being under construction and the detail subject to change, so the area has been labeled "Benicia Arsenal, Extended Area, Acquisition of 1941" and the detail omitted.

SUPPLEMENTAL DATA

The following graphic control survey and maps and plans of other organizations were used to supplement the photographs:

Coast and Geodetic Survey Sheet No. T-6734 surveyed in 1939, was used for comparison. Only the shoreline is shown on this graphic control sheet and it was found to be in good agreement with this compilation.

Survey plans of the Southern Pacific Railway were used to ascertain number of tracks and detail spurs, sidings, etc.

The boundaries of Benicia Arsenal were taken from the Plans of the War Department, Office of the Construction Quartermaster. The roads, streets and buildings were confirmed by a comparison with Benicia Ordinance Depot General Map.

This office was also furnished with a set of single lens photographs taken by the 91st Observation Squadron, Air Corps - U. S. Army. These assisted in interpreting the southern shoreline along Carquinez Strait.

LANDMARKS AND AIDS TO NAVIGATION

The landmarks and aids to navigation appearing on this sheet are listed on form 567, which is made a part of this report.

HYDROGRAPHIC CONTROL

A description of hydrographic control for this area, including unmarked stations, is listed in the "Field Inspection Report" for Suisun Bay Area, made in 1941 by L. D. Graham, Lieut. Comdr., U. S. C. & G. S. Filed in Div. of Photogr. General files. Forms 524 also ""

GEOGRAPHIC NAMES

Only those geographic names considered so well established as to be correct beyond question are shown on this sheet. This was done in accordance with a letter from the Acting Director dated December 2, 1942, Reference 28-PFA-1990. See attached list of names approved by Geographic Names Section.

COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

A comparison was made with the U. S. War Department's Corps of Engineers CARQUINEZ QUADRANGLE. In general the detail was found in good agreement, but due to the scale difference only a visual comparison was made.

COMPARISON WITH NAUTICAL CHARTS

A comparison was made with Coast & Geodetic Survey, West Coast, California Nautical Chart No. 5534, printed August 1938 and corrected to August 12, 1942 (scale 1:40,000). The scale difference was too great for a thorough comparison, but no large disagreements were noted in the detail. This compilation should, however, supersede the charted information.

Respectfully submitted,

Rudolph Dossett

Sr. Photogrammetric Aid

Forwarded by:

Kenneth G. Crosby, Chief of Party.

Form 567 Rev. March 1935

TO BE CHARTED TO BE CHARTED

STRIKE OUT ONE

DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

Charles to terr Cheek F-5045 to maigration.

Thangs, Plorica

April 20,1945 193

I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks, be charted on (assistions) the charts indicated.

The positions given have been checked after listing.

Ê					99 (201 102) Events unavy	Content tent took	(Cop 1939) Criego Cyleston Light 38		Elight (Fop 1939)	right (Gip 1939)	> Light - (Cly 1939)	J.		GENERAL CAPONIDA DIVILI
	}				98	02	2	0	8	02	2	-	LATI	
					1956	1914	644	539	703	100	1046	D. M. METERS	LATITUDE	
					192	123	122	183	Ca.	100	200	0		POSITION
		 			8	8	03	07	3	3	8	-	LONGITUDE	ÖN
					222	826	***	202	888	538	485	D. P. METERS	aan.	
					3	. 3 €	*	3		4	1927	DA CM		
					4			4	#	*	JANE .		METHOD OF LOCATION	1
					*	*	*	\$	*	\$	1939		DATE OF	
					**	×	×	N	×	×	×		ORCH	~∦
		 	-	 									DRE C	
			5/1/45	aga	*	51.55/	*	3		•	5834		CHARTS	CHART

considered for the charts of the area and not by in This form shall be depared in accordance with 1934 Field Memorandum, "LANDMAP"S FOR CHARTS." The data should be so of the area and not by in dual field survey sheets. Information under each column heading should be given. U. S. GOVERNMENT PRINTING OFFICE 60678

Form 567 Rev. March 1935

DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY

F-5-942

TO BE CHARTED STRIKE OUT ONE

LANDMARKS FOR CHARTS Air Photographic Party No. 1 Tamps, Florids

-28-43

193

be charted on (directions) the charts indicated. I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks,

The positions given have been checked after listing.

<u> </u>]	1	1	1	1	1			<u> </u>			$\overline{}$	re.	
·									Co. alreay landmark ba. 1932	AERO,	(6) Top of Six Sided Red Brick	STACK - concrete 70' high Con 1939 (F.I.P. Smelt)	NAME AND DESCRIPTION	grang gentupan	GENERAL San Francisco	
									hern Pacific	Ch lingy	led Red Brick	70° high	SCRIPTION	a.te.z	to Bely	
								}	88		22	38	0			
ŀ		<u></u>			 				80		02	2	-	LATITUDE		
									261		1311	1410	D. M. METERS	10 D		
			-						122 O7		182 08	SO SET	0 1	LOXO	POSITION	
		 							236		389	793	D. P. METERS	LONGITUDE		Ke
									4		a	1927				moth G.
									Triengu-	5	Radial Plot	eusta eusta		METHOD		. Croeby
									1932		1943	1939		DATE		
					 				H		H	H		OR CH		
-	-				 	<u></u>						}		HOREC	\	2
						-	,		3		5 .	5534 F 142		CHARTS		Chief of Party.

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMAPMS FOR CHARTS." The data should be considered for the charts of the area and not by included field survey sheets. Information ander each column heading should be given. U. S. GOVERNMENT PRINTING OFFICE 69875 der each column heading should be given.

				/	year "	,	,	/	,	,	, ,
(GEOGRAPHIC NAMES		/	/5	et /	1º /	/	/	100	Wiles /	. /
	Survey No.		/	1550	diogic	13.5	Nag.	/ 200	Mally	1	5
		/	Chor Or	And	S. Word	of to dig	Or local Mode	O. Guide of	Was When the state of the state	N. J. J. J. J. J. S.	//
		/	40. 00	40.\ Q.	14	THE STATE OF THE S	00/	2 /	201	2.	/
	Name on Survey	A	/ B	/ C	/ D	E	/ F	G	/ H	/ K	_
	Point Edith			-						, in	. 1
	Avon										2
4	. Vine Hill		- X						L.		
0											3
-	Pacheco Creek										4
1	Suisun Bay								7.36		5
	Bulls Head Point*										6 '
	Martinez									•	7
	Arroyo del Hambre*										8
	dalifornia*		*-Dec	ision	of BGN	•					9
	Solano County		Appro	ved na	mes un	derlin	ed.				10
	Peyton			9-	10-48.	a	g. W.				11
		5		9-	14-48		4.	*			
	Mococo										12
•	Pacheco Landing							*	86		13
	Carquinez Strait*		2								14
	Benicia*										15
	Benicia Arsenal										16
2	contra Costa Count	1									17
	Army Point										18
	Southern Pacific R	D.	. ,								
		·M•									19
	. State Highway 21										20
	State Highway 14										21
0	State Highway 106								4.		22
	Atchison Topeka &	Santa I	fe R.R	•			•				23
	State Highway 4										24
	Martinez Airport						*				25
	Suisun Point			Good	year	Slough	b				26
	Franklin Cree	v.		· Gras			Creek				27
	· Muir	- \		Olas	NA NA	yr an marc	CIECN				M 234
-						-	-	-	-	-	-

17 March 1950

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

Dear Admiral Adams:

8

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 en each map, there is no objection to publication of the following maps as unclassified:

T-5922 (MAS) San Francisco Bay and Oakland Area, California T-5923 San Francisco Bay and Oakland Area, California T-5924 (MAW) 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

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)

Colonel, GSC Chief, Security & Training Division the Assistant Chief of Staff, G2

Division of Photogrammetry Review Report of Planimetric Map Manuscript T-5942

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 from form M-2388-12, attached to this descriptive report. Stations underlined in red (2) were added during review. Stations HEDGE, 1942 and VINE, 1942 are considered as not being of third order triangulation accuracy and these two stations were changed to topographic stations on the map manuscript. Eighteen stations, reported by Geodesy as lost or destroyed have been listed separately on form M-2388-12, attached to this descriptive report. These stations do not appear on the map manuscript. Additional topographic stations plotted on this manuscript were established on sheets T-6734 and T-6735, and Form 524 cards are filed under these respective numbers. Div. of Photogr. General Files.
- 28. Detailing. -Minor corrections and additions were made on the map manuscript in black acetate ink. Completion of the shoreline (south shore of Carquinez Strait-North of City of Martinez) was made in green acetate ink, since previous corrections and additions had been made in red acetate ink. (May 1945 from 1945 Navy single-lens photos).
- 29. Supplemental Data. One map of the City of Martinez has been added to the large file envelope, and a see of the City of Benecia may be found in the large file envelope of T-5941 should additional street names, etc. be desirable for the final publication of this manuscript. Div. of Photogr. General Files
- 36. Landing Fields and Aeronautical Aids. One small landing field (Martinez Airport) not reported previously, consisting of one graded landing strip (about 550 meters long) and several buildings, are located directly north of the City of Martinez, south of Carquinez Strait.
- 37. Security Status. By authority of the Security Classification map dated 16 December 1946, all photographs covering the area of Benecia Arsenal are classified as "Restricted".

 "Restricted".

 Restrictions removed see copy of letter attached to this report. Khim 4/3/50

All photographs listed on page 2 of this descriptive report were classified as "Restricted". All photographs have been cleared.

43. Comparison with Contemporary Hydrographic Surveys.H-652h
1:10,000
1939-40
1:10,000
1940-41

44. Comparison with Existing Topographic Surveys .-

T- 577	1:10,000	1856
T-1029	1:20,000	1866
T-1696	1:10,000	1886
T-1696b	1:10,000	1922
T-1892	1:10,000	1888
T-4023	1:10,000	1922
T-4026	1:10,000	1922
T-4231	1:10,000	1926
T-6734	1:10,000	1939
T-6735	1:10,000	1939

These surveys are superseded by T-5942 in all common areas, except for contours.

45. Comparison with Nautical Charts .-

5575 1:10.000 1945 (40-0/2	5534 5575	1:40,000	1948 (48-9/6 1945 (48-8/2
----------------------------	--------------	----------	------------------------------

A portion of the south shore of Carquinez Strait north of the City of Martinez is shown by a broken line on Nautical Chart 5534. This, as well as the drainage pattern in the northeasterly direction has been changed on map manuscript T-5942 since Chart 5534 was corrected. These changes would warrant correction of nautical chart 5534 for the next printing.

Nautical chart 5575 is in good agreement with T-5942, since the corrections of the area common to both were considered in the construction of the nautical chart in May 1945.

51. Application to Nautical Charts. This map manuscript has been applied to Nautical Chart 5575 and to nautical chart 5534 prior to extensive corrections as of the date of this review report (see recommendation under No. 45).

Reviewed by:

Under direction of

J. J. Streifler

16 December 1948

Under direction of

A. V. Griffith

S. V. Griffith

Chief, Review Section

APPROVED
Solution

Technical Assistant to the Chief, Nautical Chapt Branch Chief, Div. of Photogrammetry Div. of Charts

Chief, Div. of Photogrammetry Chief, Div. of Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. <u>5942</u>

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
5/10f51	5574	6.M. Wilson	Before After Verification and Review May Chart
11/20/51	<i>5</i> 534	N.W Burgeyne	-Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			. 1

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.