

7065 a

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

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPO

Field No. BO-A-47 Office No. T-7065a
(Revised 1948)

LOCALITY

State California

General locality San Francisco Bay

Locality Oakland Outer Harbor

194 7-'48

CHIEF OF PARTY

W.M. Gibson

LIBRARY & ARCHIVES

DATE Dec. 14, 1949

8-1870-1 (1)

7065 a

DEC 14 1948

Form 537a

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

Each Topographic and Graphic Control Sheet, and each Air Photographic Drawing should be accompanied by this form, completed so far as practicable, when forwarded to the Washington office.

Registry No. T-7065 (A)

Field No. BO-A-47 (Revised 48)

Scale 1/5000

State California General locality San Francisco Bay

Specific locality Oakland Outer Harbor

Dates: Survey began 13 October 1948 Completed 24 October 1948

Photography....., Supplemented by ground surveys to

Project No. CS-256 Instructions dated 16 November 1940 & 24 April 1947

Vessel } USS Bowle Chief of party W.M. Gibson

Field work by L.F. Woodcock Office work by L.F. Woodcock

Final inking by L.F. Woodcock

Ground elevations } in feet above { M. H. W.
Treetop elevations } { or

Contours } by { Planetable
Approximate contours } { Multiplex } Interval ft.
Form lines }

REMARKS

Project CS-256
Descriptive Report to Accompany
Topographic Sheet BO-A-47 (Revised 48)

December 1948

Instructions dated 11/16/40
Supp. Instructions dated 4/24/47

PURPOSE:

The original sheet BO-A-47 was returned to this vessel for revision, as numerous discrepancies existed between it and the air-photo compilation of the area. It was decided more practical to construct a new projection and re-survey the area. There were some indications that the original projection may have been in error as well as errors of inking.

LANDMARKS:

As charted are adequate.

CONTROL:

Before starting topography it was decided to check the existing control in the area and establish additional control. For this purpose stations ARMY 2, (1947), MOLE (1947); S.P. (SFBB) 1931, and YACHT (1947) were occupied with a theodolite. The positions of Checkered Tank (1947), Oakland Mole High Tank (1909-10), Port of Oakland Tank (1947), Light (1947) and Bell (1947) were found to be correct. Four new intersection stations were established, namely Beacon 336, Beacon 337, Beacon 338 and Beacon 339.

SURVEY METHODS:

While occupying MOLE (1947) and S.P. (SFBB) 1931 with the theodolite, cuts were taken to all visible topographic signals. These cuts were plotted on the sheet with a steel protractor, and were used to supplement and check the plane-table work.

A plane-table traverse was run from near topographic station Dud to the vicinity of topographic station End, beginning and ending the traverse with a well checked 3-point fix. An error of 2 meters was accumulated, for which error the traverse has been adjusted proportionately throughout its length.

Another traverse was run from topographic station Dud southward to Oakland Harbor Lighthouse. On this traverse it was possible to obtain a three-point fix whenever desired so that no error was accumulated and no adjustment was required.

Topographic signals in the vicinity of triangulation station MOLE, i.e., Ace, Act, Add, Alp, Ann, Art, Yel, Bag, and Bat were located by theodolite cuts from stations MOLE and S.P. (SFBB), supplemented by plane-table cuts from the various set-ups where these signals were visible.

A list showing the new positions of recoverable topographic stations accompanies this report.

Lorin F. Woodcock

Lorin F. Woodcock
Lieut. USC&GS

Approved. Recommend that this supercede the 1947 survey.

Wm Gibson

W. M. Gibson
Chief of Party

Landmarks L. 1028(49)

Graphic control sheet BO-A-47 (Revised 48)
Recoverable topographic Stations.

NAME	LATITUDE		METERS	LONGITUDE		METERS
	0	1		0	1	
Ace	37	49	472	122	19	1105
Act	"	"	442	"	"	1121
Add	"	"	400	"	"	1091
Alp	"	"	418	"	"	976
Ann	"	"	433	"	"	965
Art	"	"	450	"	"	850
Bag	"	"	474	"	"	728
Bat	"	"	485	"	"	678
Bed			Gone in 1948			
Cab	37	49	360	122	19	192
Big	"	"	240	"	"	91
Bob	"	"	298	"	"	59
End	"	"	176	"	"	146
Box	"	"	512	122	18	1342
Bum	"	"	580	"	"	1229
But	"	"	604	"	"	915
Cat	"	"	523	"	"	654
Cod	"	"	495	"	"	625
Cow	"	"	420	"	"	634
Cry	"	"	248	"	"	797
Cue	"	"	261	"	"	912
Cut	"	"	272	"	"	1004
bull	"	"	275	"	"	1028
Deb	"	"	287	"	"	1076
Dif	"	"	228	"	"	1116
Day	"	"	269	"	"	1068
Dim	"	"	143	"	"	1185
Dix	37	48	1823	"	"	1327
Dog	"	"	1802	"	"	1347
Dud	"	"	1682	"	"	1444
Ear	"	"	1666	"	"	1424
Oil	"	"	1496	"	"	1446
Dot	"	"	1510	122	19	119
Fat	"	"	1295	"	"	266
Eel	"	"	1121	"	"	254
Fin	"	"	1177	"	"	366
Fly	"	"	1139	"	"	501
Far	"	"	1187	"	"	901
Cur	"	"	1149	"	"	1040
Coo	"	"	1106	"	"	1077
Pipe	"	"	1093	"	"	1085
Cross	"	"	1158	"	"	1330
Axe	"	"	1152	"	"	1330
Hag	"	"	995	"	"	1111
Azo	"	"	1114	"	"	1299
Get	"	"	1109	"	"	1304
Bah	"	"	1106	"	"	1299
Gig	"	"	1068	"	"	1313
Gob	"	"	1060	"	"	1313
Fox	"	"	1200	"	"	1008
Fry	"	"	1212	"	"	1118
Fez	"	"	1202	"	"	1046
Bat	"	"	1026	"	"	1296

NAME	LATITUDE		METERS	LONGITUDE		METERS
	°	'		°	'	
Bus	37	48	1015	122	19	1295
Gin	"	"	1021	"	"	1292
Hex	"	"	974	"	"	1182
Yel	37	49	516	"	"	870
Hid	37	48	954	"	"	1293
Sir	"	"	946	"	"	1292
Ski	Gone in 1948					
Ida	37	48	842	122	19	1096
Ivy	"	"	816	"	"	960
Irk	"	"	774	"	"	1230
Jap	"	"	829	"	"	905
Jar	"	"	806	"	"	840
Ken	Gone in 1948					
Ked	"	"	"			
Jut	"	"	"			
Joy	"	"	"			
Joe	37	48	585	122	19	876
Jim	"	"	620	"	"	979
Leg	"	"	624	"	"	752
Kim	"	"	764	"	"	618
Lad	"	"	727	"	"	649
Lax	"	"	687	"	"	690
Ran	"	"	731	"	"	454
Rear	"	"	665	"	"	433
Front	"	"	601	"	"	709
Liz	"	"	515	"	"	482
Lux	"	"	486	"	"	370
Low	"	"	444	"	"	302
Tar	"	"	906	"	"	668
Let	Not re-located in 1948					
Bake	37	48	444	122	19	320
Lay	"	"	338	"	"	402
Lug	"	"	312	"	"	354
Nig	"	"	262	"	"	369
New	"	"	266	"	"	423
Maw	"	"	370	"	"	515
Mar	"	"	386	"	"	572
Mop	"	"	393	"	"	649
Met	"	"	411	"	"	690
Mid	"	"	386	"	"	697
Kovo	"	"	348	"	"	707
Mum	"	"	342	"	"	663
Four	"	"	368	"	"	656
Nat	"	"	312	"	"	592
Ned	"	"	296	"	"	536
Nit	"	"	149	"	"	455
Nix	"	"	181	"	"	568
Nod	"	"	195	"	"	623
Non	"	"	227	"	"	736
Nub	"	"	224	"	"	743
Nut	"	"	200	"	"	718
Nux	"	"	157	"	"	759
Obi	"	"	205	"	"	701
Five	"	"	180	"	"	707
Ohm	"	"	153	"	"	716

NAME	LATITUDE		METERS	LONGITUDE		METERS
	°	'		°	'	
Off	37	48	122	122	19	684
Old	"	"	107	"	"	588
Ora	"	"	77	"	"	475
Pal	37	47	1836	"	"	496
Rev	37	48	16	"	"	608
Rat	"	"	31	"	"	663
Vim	"	"	33	"	"	952
Vet	37	47	1844	"	"	864
Wig	37	48	41	"	"	972
Tex	"	"	61	"	"	1017
Try	"	"	63	"	"	1052
Tub	"	"	53	"	"	1058
Sad	"	"	94	"	"	1208
Tom	"	"	09	"	"	1098
Toy	37	47	1849	"	"	1102

Scaled: L.F.W.

Checked: P.A.W.

Signals HUT, EGG, PAR, FOG, were not recoverable and could not be re-located.

NAUTICAL CHARTS BRANCH

SURVEY NO. T 7065 a

Record of Application to Charts

[illegible]

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.

Form 504

Page 1

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topography

SUPERCEDED BY 1948 REVISION

Field No. BO A 47 Office No.

LOCALITY

State California

General locality San Francisco Bay

Locality Oakland Outer Harbor

1947

CHIEF OF PARTY

W.M. Gibson

LIBRARY & ARCHIVES

DATE DEC 14 1949

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

Each Topographic and Graphic Control Sheet, and each Air Photographic Drawing should be accompanied by this form, completed so far as practicable, when forwarded to the Washington office.

REGISTRY No. _____

Field No. BO-A-47

Scale 1/5000

State California General locality San Francisco Bay

Specific locality Oakland Outer Harbor

Dates: Survey began 1 April 1947 Completed 30 April 1947

Photography _____, Supplemented by ground surveys to _____

Project No. CS-256 Instructions dated 16 November 1940 & 24 April 1947

Vessel } or Bowie Chief of party W.M. Gibson
~~Party~~

Field work by W.M. Gibson Office work by E.E. Stohsner

Final inking by W.M. Gibson and H.A. Knapp

Ground elevations } in feet above { M. H. W.
Treetop elevations } or { _____

Contours } by { Planetable } Interval _____ ft.
Approximate contours } { Multiplex }
Form lines } { _____ }

REMARKS _____

DEC 14 1949

Form 537a
Ed. Nov. 1929

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

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 No. Bo-A-47

REGISTER NO. Superseded by 1948 revision

State California

General locality San Francisco Bay

Locality Oakland Outer Harbor

Scale 1:5000 Date of survey 1 Apr. to 30 Apr. 1947

Vessel Bowie

Chief of party W.M. Gibson

Surveyed by W.M. Gibson

Inked by W.M. Gibson & H.A. Knapp

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated 16 Nov. 1940 & 24 Apr. 1947, 19.....

Remarks: This survey is superseded by a complete revision
in 1948

(1)

Project CS 256

Descriptive Report to Accompany

Topographic Sheet BO A 47

April 1947

Instructions dated 11/16/40

Supp. Instructions dated 4/24/47

Purpose To establish control for a 1/5000 scale survey of Oakland Outer Harbor and the Naval Supply Depot area.

Landmarks as charted are adequate.

Control consisted of the following triangulation stations.

OAKLAND HARBOR L. H. (1919) ✓

CHECKERED TANK (1947) S.P. Hand ✓ p. 24

OAKLAND MOLE HIGH TANK (1909-10)

S. P. (BAY BRIDGE) (1931) p. 107

PORT OF OAKLAND TANK (1947) S.P. Hand p. 23

MOLE(1947) S.P. Hand p. 107

LIGHT(1947) S.P. Hand p. 23

BELL(1947) (BOWIE)

Survey Methods consisted of three point fixes from triangulation stations or a cut from a triangulation station supplemented by two or more resections from control stations. No plane table traverse was used, except for an occasional setup to locate some signals or building corners obscured from the plane table station by equipment, ships, etc. Two plane table positions in the N.E. corner of the sheet were derived from one cut and one resection.

The location of the rear range Naval supply Depot was obtained by a three point fix using OAKLAND HARBOR L. H., OAKLAND MOLE HIGH TANK, CHECKERED TANK and PORT OF OAKLAND TANK. The position and azimuth of the corresponding front range was established from the plane table setup of the rear range on top of a building and a rod reading.

Other ranges, buoys and beacons were located by intersections, mostly from control stations. However, MOLE(1947) was the only control station that could be occupied directly, all others being occupied eccentrically. Geographic Names report is submitted separately for the project.

A list of recoverable topographic positions on Form 524 accompanies the sheet.

W.M. Gibson

W.M. Gibson

Chief of Party

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED

STRIKE OUT ONE

~~TO BE DELETED~~Ship Bowie Oakland, California 15 January, 19 48

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

The positions given have been checked after listing by H.A. Knapp

Revisions on Ch L 1028(1949)

W.M. Gibson

Chief of Party.

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE		LONGITUDE		DATUM							
				°	'	D. M. METERS	°		'						
				37	49	92.8	122-18	1083.2	N.A.	1927	Tri	X			5532
Tank		Elevated Tank, Port of Oakland Oakland Army Base	Port												
Tank		Elevated tank, Southern Pacific Co. Mole (High tank)	Oak	37	48	1110.9	122-19	1088.3	N.A.	1927	Tri	X			5532
Stack		Power House stack													
Stack		Southern Pacific Co. Mole	Pipe	37	48	1096	122-19	1086.0	N.A.	1927	Topo	X			5532
Tank		Elevated checkered Tank													
Tank		Naval Supply Center	Check	37	48	863.9	122-19	284.1	N.A.	1927	Tri	X			5532
Range		Naval Supply Center north range													
Range		east mark	Ran	37	48	7330	122-19	451.0	N.A.	1927	Topo	X			5532
Range		Naval Supply Center north range													
Range		west mark	Jut	37	48	651.0	122-19	813.0	N.A.	1927	Topo	X			5532
Range		Naval Supply Center channel range													
Range		east mark	Rear	37	48	668.0	122-19	430.0	N.A.	1927	Topo	X			5532
Range		Naval Supply Center channel range													
Range		west mark	Front	37	48	603.0	122-19	709.0	N.A.	1927	Topo	X			5532
Lighthouse															
		Oakland Harbor Lighthouse	Harb	37	48	19.5	122-19	1226.1	N.A.	1927	Tri	X			5532
Light		P.T. & T. cable crossing													
Light		Booster Station, white light	Light	37	48	1078.8	122-20	855.2	N.A.	1927	Tri	X			5532
Beacon		P.C. Light List No. 337	Ydm	37	49	97.0	122-19	372.0	N.A.	1927	Topo	X			5532
Beacon		P.C. Light List No. 338	Yes	37	48	1750.0	122-19	921.0	N.A.	1927	Topo	X			5532
Beacon		P.C. Light List No. 339	Yak	37	49	57.0	122-19	663.0	N.A.	1927	Topo	X			5532
Beacon		P.C. Light List No. 336	Yet	37	48	1775.0	122-19	621.0	N.A.	1927	Topo	X			5532

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.

7065b

46-5

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

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPO

Field No. BO-E-47 Office No. T-7065b
(Revised 1948)

LOCALITY

State Calif.

General locality San Francisco Bay

Locality Treasure & Yerba Buena Islands

194 7-'48

CHIEF OF PARTY

W.M.Gibson

LIBRARY & ARCHIVES

DATE Dec. 14, 1949

B-1870-1 (1)

7065b

DEC 14 1948

Form 537a
Ed. Nov. 1929

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. - T-7065 b

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 No. Bo-E-47 (1948 REVISION)

REGISTER NO. T-7065 (b)

State California

General locality San Francisco Bay

Locality Treasure and Yerba Buena Islands

Scale 1:5000 Date of survey 1 to 5 Oct., 1948

Vessel Bowie

Chief of party W.M Gibson

Surveyed by L.F. Woodcock (1948 Revision)

Inked by L.F. Woodcock " "

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated _____, 19____

Remarks: _____

Project CS - 256
Descriptive Report to Accompany the T-7065 b. (1947-48)
1948 Revision of Topographic Sheet BO-E-47

Treasure and Yerba Buena Islands

December 1948

Instructions dated 11/16/40
Supp. Instructions dated 4/24/47

The purpose of this revision was to check the original sheet where it was found to be in disagreement with the air-photo compilation of the area. (T-5923, 1441-45) ✓

METHODS:

The revision work was started by running a plane-table traverse from control station A9 to control station A2, checking at station A2 with no error of closure. All topographic signals and detail between these two signals were checked, and changed where necessary. ✓
The new location and shape of pier 25 is approximately the same as the 1947 location and still does not agree with the air-photo compilation. It is believed this pier has been altered since the air-photos were taken.

Plane-table traverses then were run from control station A2 to N2, from N2 to N3, and from N3 to N8. In each case there was no error of closure. ✓
Topographic signals and detail were checked and changed where necessary. The new location and shape of pier 12 is approximately the same as the 1947 location, and still does not agree with the air-photo compilation. It is believed this pier has been altered since the air-photos were taken.

The walk-way between topographic signals TED and BOOM was re-located in the following manner: The plane-table was set up on triangulation station YERBA, (1938), oriented on South Range, East Pole, and a point on the dock near BOOM was located. From this point signals BOOM and TED and the walk-way between them were located. The new location is approximately the same as the 1947 location, and does not check the air-photo compilation. Because of the close agreement between 1947 and 1948 locations, the walk way as now shown is believed to be correct.

Topographic signal CHIM was relocated by three cuts with the plane-table and alidade, one from control station N13, one from a point about 70 meters east of N13. and the third from a point about 70 meters south of control station DUMP A.

A list of the recoverable topographic positions which were changed in the 1948 revision accompanies this report.

Landmarks L 1028 (49)

Lorin F. Woodcock

Lorin F. Woodcock
Lieut. U.S.C. & G.S.

Approved:

W.M. Gibson
Chief of Party

T-7065 b. (1941-45)

Graphic Control Sheet BO-E-47
Recoverable Topographic Stations
New Locations from 1948 Revision

NAME	LATITUDE		METERS	LONGITUDE		METERS
	°	'		°	'	
Chim	37	49	1618	122	22	125
Bird	"	"	1092	122	21	1088
Bek	"	"	950	"	"	1028
Man	"	"	822	"	"	945
Hit	"	"	611	"	"	892
Bat	"	"	595	"	"	896
Son	"	"	514	"	"	923
Boy	"	"	499	"	"	928
Mary	"	"	416	"	"	951
Sam	"	"	402	"	"	957
Joe	"	"	321	"	"	981
Abe	"	"	305	"	"	985
Boom	37	48	1605	"	"	1042
Fig	37	49	539	122	22	673

Sealed by: L.F. Woodcock
Checked by: P.A. Weber

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topography
~~SUPERSEDED BY 1948 REVISION~~
Field No. BO-E-47 Office No. _____

LOCALITY

State California
General locality San Francisco Bay
Locality Treasure and Yerba Buena Islands

194 7

CHIEF OF PARTY

W. M. Gibson

LIBRARY & ARCHIVES

DATE DEC 14 1949

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

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REGISTRY No.

Field No. BO-E-47

Scale 1/5000

State California General locality San Francisco Bay

Specific locality Treasure Island and Yerba Buena Island

Dates: Survey began 1 September 1947 Completed 30 September 1947

Photography....., Supplemented by ground surveys to

Project No. CS-256 Instructions dated 11/16/40 and 4/24/47

Vessel } or Bowie Chief of party W.M. Gibson
~~Party~~

Field work by W. M. Gibson Office work by W.M. Gibson and W.C. Russell

Final inking by H.A. Knapp

Ground elevations } in feet above { M. H. W.
Treetop elevations } or {

Contours } by { Planetable } Interval ft.
Approximate contours } { Multiplex }
Form lines } {

REMARKS

Project CS - 256
 Descriptive Report to Accompany
 Topographic Sheet BO - E - 47 T-7065 b. (1941-45)
 Treasure and Yerba Buena Islands

September 1947

Instructions dated 11/16/40
 Supp. Instructions dated 4/24/47

Purpose of survey was to provide adequate control for 1/5000 scale hydrographic survey of the much used waterfront area at the request of the Navy and Supervisor, Western District.
General Coast Line is flat except on Yerba Buena Island. It is especially steep on the S.W. side of Yerba Buena island.
Landmarks as previously charted are adequate for charting. However, The following prominent objects should be noted:

- (CHIM) Chimney, paint shop, N. end of Treasure Island, which is of red brick, about 40 feet high and at N. end of paint shop.
- (END) Tower, N. end of pier 21C, about 40 feet high with small light over it.
- (BEK) Tower, middle of pier 17C, about 40 feet high with small light over it.
- (DOME) Cupola, Blue glass dome over administration building near gate entrance to Treasure Island.
- (NUT) Light, at S.E. corner of Coast Guard wharf at Yerba Buena Island.
- (LAG) Flagstaff, over S. wing of Coast Guard building on the Coast Guard wharf, Yerba Buena Island.

Landmarks -
 C.L. 1028 (1949)

Geographic Names report is submitted separately.

Control: The original control ~~is~~ for this sheet consisted of the following stations:

NAVY (1932)
 YERBA BUENA L.H. (1919)
 YERBA (1938)
 GOAT (1916)

There was no control on Treasure Island. An attempt was made early in the field season to locate prominent objects on Treasure Island for hydrography by plane table intersections from NAVY (1932), YERBA (1938), and GOAT (1916). On account of observations from NAVY (1932) being made from the top of a thirty foot triangulation observing stand in prevailing strong winds, the results were not satisfactory. Accordingly, it was necessary to wait for control being established by the Geodetic party of Samuel P. Hand. This was made available in August in the form of plane coordinates based on NAVY (1932) : X = 3000.000
 Y = 3000.000

These new traverse stations were then plotted by plane coordinates which in such a limited area did not differ from the geographic coordinates.

ARMY 2 1947 (Geographic Position)
 SOUTH RANGE, EAST POLE (1947)
 SOUTH RANGE, WEST POLE (1947)
 NORTH RANGE, EAST POLE (1947)
 NORTH RANGE, WEST POLE (1947)
 A 2, H 2, N 2, H 8, N 13, A 9, DUMP, DUMP A, STRIP A.

Methods.

No traverse was used on the sheet. Occasionally a plane table position was used by combining a cut from a control station with two resections from distant stations. Most of Treasure Island was located from Traverse Control points by rod readings and intersections.

Since the purpose of the survey was to afford control for hydrography, only such dock and shore line as could be conveniently obtained from plane table positions was located without unduly delaying the progress.

The S.W. side of Yerba Buena Island was not traversed because of recent air photo coverage and because it is not a closely navigated or economically important area.

Changes.

No particular change in the shoreline was noted. However, one reason given by the Navy for requesting accurate control was to verify the belief that Treasure Island is gradually subsiding. Accompanying the topographic sheet is a plan of Treasure Island showing the 1947 control and supplementary detail, together with, U.S. Navy P.W. drawing # P.P. 112

Magnetic Meridian. Drawn on the sheet with the declination at station GOAT (1916).

A list of recoverable topographic positions accompany this report.

Wm Gibson

W.M. Gibson
Chief of Party

TREASURE ISLAND TRAVERSE COMPUTATION BY LATITUDES AND DEPARTURES

Station	Grid Coordinates	
	Departure	<u>Meters</u> Latitude
NAVY 1932	3000.000	3000.000
TI A2	2435.757	3812.677
TI C2	2662.435	3933.132
TI H2	2981.587	4102.726
TI H2	3213.910	4214.502
TI A9	2123.915	4399.218
Strip A	1940.384	4885.801
Strip	2288.402	4883.750
TI H13	2481.989	5041.284
TI H13	2827.430	5225.422
TI H8	3061.774	4791.329
TI H3	3271.084	4398.110
TI H9	2663.828	4699.843
TI C9	2351.080	4513.072
Dump	2047.345	5225.103
Dump A	2430.648	5426.379
North Range, West Pole	1977.172	5205.810
North Range, East Pole	2052.192	5247.822
South Range, East Pole	2593.978	3419.193
South Range, West Pole	2521.829	3379.041
Hubbel	2507.825	3350.379

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE DELETED

STRIKE OUT ONE

Ship Bowle

15 January, 1948

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

The positions given have been checked after listing by H. T. Knapp

*check with 1948 revision for new positions of
some landmarks*

W. M. Gibson

Chief of Party.

Revisions on CHL 1028 (1949)

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE		LONGITUDE		DATUM							
				°	'	D. M. METERS	°	'	D. P. METERS						
	Chimney	Highest brick chimney, north end of Paint Shop, Treasure, Island	Chim	37-49	1615	122-22	126	N.A. 1927	Topo	1947	1/			5532	
	Tower	N. end of Pier 21c about 40' high with light on top (P.C. light 415)	End	37-49	1578	122-21	1360	N.A. 1927	Topo	1947	/			5532	
	Tower	Middle of Pier 17c about 40' high with light on top (P.C. light list 414)	Bek	37-49	951	122-21	1027	N.A. 1927	Topo	1947	/			5532	
	Stack	Higher of two black stacks on Treasure Is. opposite Pier 17	Stack	37-49	865	122-21	1253	N.A. 1927	Topo	1947	/			5532	
	Cupola	Blue dome over center of Navy Administration Building	Dome	37-49	77	122-22	269	N.A. 1927	Topo	1947	/			5532	
	Tower	Navy signal station on highest Point of Yerba Buena Island	Y.B. Tower	37-48	35,572"	122-21	53,883"	N.A. 1927	Tri	1947	/			5532	
	Light	White post S. end Coast Guard dock Light 413 PC Light List	Nut	37-48	905	122-21	875	N.A. 1927	Topo	1947	/			5532	
	Light	White post at N. end of Coast Guard Dock	Ban	37-48	1065	122-21	884	N.A. 1927	Topo	1947	/			5532	
	P.S.	Flagstaff over south wing of large Bldg. on Coast Guard Dock Y.B.I.	Lag	37-48	957	122-21	904	N.A. 1927	Topo	1947	/			5532	
	Light	Yerba Buena Lighthouse south tip of Y.B.I.	Yerba	37-48	815.8	122-21	982.8	N.A. 1927	Tri	1947	/			5532	
	Range	Measured mile Treasure Island north Range east pole	Rear	See Traverse of S.P. Hand 1947						N.A. 1927	Trav	1947	/	5532	
	Range	Measured mile Treasure Island north Range west pole	Range	See Traverse of S.P. Hand 1947						N.A. 1927	Trav	1947	/	5532	
	Range	Measured mile Treasure Island south Range east pole	South	See Traverse of S.P. Hand 1947						N.A. 1927	Trav	1947	/	5532	
	Range	Measured mile Treasure Island south Range west pole	Fair	See Traverse of S.P. Hand 1947						N.A. 1927	Trav	1947	/	5532	

This form shall be prepared:

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.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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The positions given have been checked after listing by H.T. Knapp

H. H. Gibson

Chief of Party.

[illegible]

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DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

REGISTRY NO. T-7065b

FIELD NO. BO-E-47

California, San Francisco Bay, Yerba Buena & Treasure Islands
Surveyed in Sept., 1947 and Oct., 1948 Scale 1:5,000
Project No. CS-256

Plane Table Survey

Aluminum Mounted

Chief of Party - W. M. Gibson
Surveyed by - W. M. Gibson and L. F. Woodcock
Inked by - H. A. Knapp and L. F. Woodcock
Reviewed by - T. A. Dinsmore - 11 May 1950
Inspected by - R. H. Carstens

1. This revision survey delineates sections of the waterfront where changes had occurred, and shows new landmarks for charting. A formal review of the present survey is considered unnecessary.
2. The control for the survey originates with triangulation stations of 1916 to 1938.
3. A comparison with T-5923 (1941-45) reveals a few changes in waterfront structures. The location and shape of piers 12 and 25 on the present survey differ sufficiently from the prior survey to indicate that some alterations have been effected to these structures. The catwalk in lat. $37^{\circ} 48.88'$, long. $122^{\circ} 21.80'$, on the present survey differs slightly in orientation from that shown on the prior survey. Other differences noted are too slight to warrant comment.

The above revisions supersede the common features on the prior survey T-5923.
4. The present survey has not been applied to the charts.
5. The magnetic declination determined on the present survey is in substantial agreement with the charted value for this vicinity.