

5087

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DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: New York

DESCRIPTIVE REPORT

Topographic
Hydrographic

Sheet No. T5087

LOCALITY

* South Shore of Long Island

Fire Island Beach between Point of
Woods C. G. Station and Fire Island

Inlet

1933

CHIEF OF PARTY

Roswell C. Bolstad, Jr. H. & G. E.

U. S. GOVERNMENT PRINTING OFFICE: 1931

5087

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 5087

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. 36

REGISTER NO. T5087 5087

State New York

General locality South Shore of Long Island

Locality Fire Island Beach between Point of Woods C.G. Station and

Scale 1:10,000 Date of ^{Photographs} ~~Survey~~ Feb. 22, 1933

Date of Compilation Feb. 7, 1934

~~Vessel~~ Air-photo Compilation Party No. 12

Reviewed and recommended for approval
Chief of party Roswell C. Bolstad, Jr. H. & G. E.

Surveyed by (See data sheet enclosed in Descriptive Report for this sheet)

W. E. Brown
Inked by W. E. Brown

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated November 15, 1932

Remarks: Actual scale of celluloid sheet is 1:9,479. Compilation of single lens aerial photographs Nos. 105-119 (876-8) and 132-145 (876-8). Final sheet to be reduced to 1:10,000 scale and printed by photo-lithographic process.

- NOTES ON COMPILATION -

SHEET NO. 36

PHOTOS, NO. V-105 (876-8) TO NO. V-119 (876-8)

PHOTOS, NO. V-132 (876-8) TO NO. V-145 (876-8)

DATE OF PHOTOGRAPHS Feb. 22, 1933 TIME 11:50 A.M. & 12:05 P.M.
respectively

	BY	DATE
ROUGH RADIAL PLOT	<u>C. R. Weaver</u> C.R. Weaver	<u>10/29/33</u>
SCALE FACTOR (1.055)	<u>C. R. Weaver</u> C.R. Weaver	<u>10/30/33</u>
SCALE FACTOR CHECKED	<u>J. P. O'Donnell</u> J.P. O'Donnell	<u>10/31/33</u>
PROJECTION	<u>E. W. Fickenscher</u> E.W. Fickenscher	<u>11/7/33</u>
PROJECTION CHECKED	<u>W. H. Burwell</u> W.H. Burwell	<u>11/7/33</u>
CONTROL PLOTTED	<u>W. H. Burwell</u> W.H. Burwell	<u>11/14/33</u>
CONTROL CHECKED	<u>J. P. O'Donnell</u> J.P. O'Donnell	<u>11/14/33</u>
TOPOGRAPHY TRANSFERRED	<u>W. H. Burwell</u> W.H. Burwell	<u>11/17/33</u>
TOPOGRAPHY CHECKED	<u>J. P. O'Donnell</u> J.P. O'Donnell	<u>11/18/33</u>
SMOOTH RADIAL LINE PLOT	<u>W. E. Hackett</u> W.E. Hackett	<u>12/5 - 12/6/33</u>
RADIAL LINE PLOT CHECKED	<u>J. P. O'Donnell</u> J.P. O'Donnell	<u>12/6/33</u>
DETAIL INKED	<u>W. E. Brown</u> W.E. Brown	<u>12/28/33-2/7/34</u>

AREA OF DETAIL INKED 2.05 sq. Statute Miles. (Land Area)

AREA OF DETAIL INKED 4.00 sq. Statute Miles. (Shoals in Water Area)

LENGTH OF SHORELINE (more than 200 m. from nearest opposite shore)
18.0 Statute Miles

LENGTH OF SHORELINE (rivers and sloughs less than 200 m. wide)
0.1 Statute Miles

GENERAL LOCATION South Shore of Long Island

LOCATION Fire Island Beach between Point of Woods C.G. Station and
Fire Island Inlet

DATUM North American 1927

Latitude 40°- 37'- 56.416" (1740.2 m.)

STATION Fire Island Light
House, 1933

Longitude 73°- 13'- 08.520" (200.2 m.)

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COMPILER'S REPORT

for

AIR PHOTO TOPOGRAPHIC SHEET FIELD NO. 36

GENERAL INFORMATION.

No Field Report for the section of Long Island covered by this sheet was available. The necessary field data for the compilation of this sheet was obtained from the Descriptive Report of Lieut. Comdr. R. P. Eyman for Field Sheet "D" and from the notes of the field inspection party.

The accompanying NOTES ON COMPILATION details all data in connection with the compilation of this sheet.

At the time the photographs for the compilation of this sheet were taken the tide was at low water, according to predicted tide tables, and its affect on interpretation was neglected.

This sheet was compiled from photographs taken by Captain Willis R. Taylor of the U. S. Army Air Corps with their single lens camera, photograph numbers V-105 (876-8) to V-119 (876-8) and V-132 (876-8) to V-145 (876-8) inclusive.

CONTROL.

(A) Sources.

The following sources of control were used in the compilation of this sheet:

- (a) Triangulation by Lieut. Comdr. R. P. Eyman in 1933, unadjusted.
- (b) 1933 Aluminum Control Sheet (Lieut. Comdr. R. P. Eyman's Field Sheet "D")
Reg. No. 6013

The field party's geographic positions, unadjusted, were used; these are on the North American 1927 Datum.

Triangulation and topography (1:20,000 scale aluminum control sheet, showing high water line and control signals) executed by the party of Lieut. Comdr. R. P. Eyman, in 1933, forms the basis of control for this area;

In addition to the triangulation and high water line obtained from the aluminum control sheet, the following topographic signals (shown on the aluminum control sheet) were spotted on the photos and were used in controlling this sheet:-

Topographic Signal	Latitude		Longitude	
	o	'	o	'
Fish	40	39.1	73	14.1
Hit	40	39.0	73	14.1
Tag	40	38.9	73	13.8
Ruin	40	38.9	73	13.7
From	40	39.6	73	12.2
Gin	40	39.3	73	12.1
Has	40	39.3	73	11.9
Vex	40	39.4	73	11.7
Saw	40	37.9	73	13.4
Rad	40	37.9	73	12.9
Big	40	37.8	73	12.8
Nat	40	38.1	73	12.2
Pump	40	38.1	73	12.2
Old	40	38.2	73	12.5
Lar	40	38.2	73	12.4
Eagle	40	38.3	73	12.1
High	40	38.5	73	11.9
East	40	38.5	73	11.9
Boat	40	38.5	73	11.8
Wave	40	38.4	73	11.2
Vane	40	38.4	73	11.0
Ped	40	38.3	73	10.7
Air	40	38.3	73	10.7
Crap	40	38.5	73	10.6
Bare	40	38.5	73	10.2
Win	40	38.7	73	09.9
Azz	40	38.5	73	09.8
Can	40	38.6	73	09.4
Lag	40	38.9	73	09.4
Rake	40	38.9	73	09.7

REVIEW

The topographic stations, mentioned on the opposite page, were located on aluminum control sheet 6013, surveyed in May and June, 1933.

Photographs from which this sheet was plotted were taken February 22, 1933.

The identification on the photographs of the stations "Bare" and "Win" has been checked in the office.

Station "Win", Chimney at W. End of House, is shown as a topographic station on this sheet. The appearance of this house, under the stereoscope, checks the description given for this station in the descriptive report for T 6013. The position, as determined from the photo plot, has been retained on this sheet as correct. This station was not used on the Hydrographic Sheet, H 5068.

The photo plot is strong in this locality and checks the plane table location of four other topographic stations within a mile of stations "Win" and "Bare".

Station "Bare", Chimney on House. This station is not shown on the printed air photo sheet but the house is shown. The position of the chimney as determined from the photo plot is shown on the celluloid sheet at: Lat. 40-38-801 meters; Long. 73-10-335 meters, which position is 30 meters south of the plane table position.

It is possible that this house was destroyed and rebuilt between the dates of these two surveys but there is no evidence to that effect. The difference is probably due to an error in the plane table survey. The position of the house has been retained on this sheet as located from the photographs.

Station "Bare" was used for hydrography on Sheet H 5369, positions 23a, 22b and 23b, and 104 to 117c. The effect of plotting these positions on the air photo location of "Bare" has been checked, and is negligible. Only position 117c would be changed appreciably. That position would be changed about two millimeters but the change does not alter the contour of the bottom. No changes were made on the Hydrographic Sheet and no further attention to this difference is considered necessary.

B. G. Jones
B. G. Jones.

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They have been shown on the celluloid topographic sheet by a double blue circle (⊙) together with the name (as shown on the aluminum control sheets) in blue. As the blue will not photograph during the photo-lithographic process no record of these topographic control signals (banners and flags) will appear on the finished sheet.

If it is the desire of the Chart Section to have these shown, they may be indicated in red ink with the usual circle and topographic name; this may best be done by draftsmen in the Washington Office as they will have all the data at hand.

All aluminum control stations used for supplementary control on this sheet have been plotted from the positions obtained from Lieut. Comdr. R. P. Eymann's Descriptive Report, Field Letter "D".

Several topo stations which were shown on the aluminum control sheets could not be used as supplementary control since the points were too indefinite on the photographs for the field inspection party to spot.

(B) Errors.

In making the radial plot for this sheet the following relocations of spotted aluminum control sheet signals resulted:

⊙ Win - new position as determined by the radial plot lies 18 meters distant on azimuth 310°- 00' (from north) from the position as given on the aluminum control sheet.

⊙ Bare - new position as determined by the radial plot lies 30 meters distant on azimuth 164°- 00' (from north) from the position as given on the aluminum control sheet.

✓ ⊙ Azz - new position as determined by the radial plot lies 5 meters distant on azimuth 230°- 00' (from north) from the position as given on the aluminum control sheet.

The above named signals are chimneys on houses and are all located near each other about half way between Lonelyville and Ocean Beach. These chimneys are clearly distinguishable under the stereoscope and there is no doubt about the spotting of the points on the photographs. The control stations, in the immediate vicinity of those in error, as taken from the photographs, agreed very well with those stations shown on the aluminum control sheet and no adjustment was necessary in making the detailing. There is no house shown on the photographs in the position of topo station Bare as taken from the aluminum control sheet. The nearest house shown on the photographs is 30 meters distant, as stated above, and it is believed that the position on the aluminum control sheet is undoubtedly in error. It is possible that the aluminum control

sheet topographer ran a traverse down the beach and took stadia distances to the houses in question thereby causing slight errors in the positions of these stations. This is substantiated by the above statement regarding topo signal Bare, and the fact that signals Win and Azz, in the immediate vicinity, are in error while all others are correct, agreeing with the radial plot.

The control, on this sheet, is strong and the radial plot gave good intersections. The necessary adjustments are given under COMPILATION (B) Adjustments of Plot. It is felt that all the above named signals are in error as listed. It should be noted that the aluminum control sheet was executed on a scale of 1:10,000 whereas this sheet is on a scale of 1:9,479.

(C) Discrepancies.

No other control stations established by other organizations were used in this compilation.

COMPILATION.

(A) Method.

The usual radial line method of plotting was used in the compilation of this sheet.

(B) Adjustments of Plot.

The photographs used in the compilation of this sheet appear to be free of excessive tilt and scale fluctuation and the radial plot required no unusual adjustments.

(C) Interpretation.

Only the usual graphic symbols were used as approved by the Board of Surveys and Maps (1932) and no great difficulty was experienced in interpreting the photographic detail.

The double broken line was used to indicate private driveways and roads of lesser importance. An exceedingly poor road, trail or board-walk was shown as a single dashed line. In most cases (unless labeled on the field inspection prints) the classification had to be determined by the appearance under the stereoscope.

Two docks have been shown on this sheet at Ocean Beach which do not appear on the photographs. The information regarding these docks was obtained from the notes of the field inspection party since there was no other data available. The aluminum control sheet does not show the north shore of Fire Island but since these docks extend into the water approximately 60 meters and do not appear on the photographs it was felt that they should be mentioned.

The ridge of sand dunes along the south shore of Fire Island is clearly evident under the stereoscope and was checked by the aluminum control

Review: The tall Silver Tank at Ocean Beach is a new tank built to replace the tank shown on the photos. The new tank has been plotted on this sheet from position determined by Lieut. Witherbee from ground surveys of May 1934. See chart Letter 401 1934. The tank shown on the photos of Feb 22, 1933 has been removed.

B.G. Jones

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sheet. The ridge has also been labeled.

At the Yacht Basin west of Triangulation Station South Range a pile cribbing extends out into the water for a short distance. This cribbing is not shown on the aluminum control sheet nor are there any notes regarding it made by the field inspection party but under the stereoscope it can be seen on the photographs.

The building at Latitude 40°- 37.8', Longitude 73°- 12.6 has been designated as a Pavilion by the field inspection party but has not been labeled on this sheet since there is no printed name on hand.

All boundaries of shoal water areas (shown by single broken line) on this sheet were so indicated because of appearance on the photographs and they may be expected to have departure from actual conditions.

(D) Information from Other Sources.

The high water line and marsh line were run in by the topographic party on the aluminum control sheet. *See opposite page*

(E) Conflicting Names.

There are no names on the sheet conflicting with names shown on the U.S.C. & G.S. Charts of this area.

COMPARISON WITH OTHER SURVEYS.

The junctions with all adjoining sheets are satisfactory.

The high water line along the south shore of Fire Island, as shown on the aluminum control sheet, agrees well with that obtained from the photographs and was accepted as correct for this sheet. All other shore lines were taken directly from the photographs since they are not shown on the aluminum control sheet.

The marsh areas and sand dunes, as shown on the aluminum control sheet, checked very well with the photographs and the notes of the field inspection party.

The shoal areas at the junction of this sheet with Reg. No. T5059 were fairly well defined and little difficulty was encountered in obtaining a junction by the use of the proportional dividers.

The control stations on the adjacent sheets aided in making the junctions with this sheet since there were several which fell just off of this sheet.

Since there were no shoal areas shown on the aluminum control sheet, they were shown on this sheet as stated under COMPILATION, (C) Interpretation. Where a marked contrast between deep and shoal water was not apparent on the photographs, the broken dashed line was ended. This gradual blending from the appearance of shoal to deep water is due to the gradual increase in depth of the water. This sheet shows only the shoal areas apparent on the photographs.

LANDMARKS.

The following list of five landmarks was submitted by Lieut. Comdr. R.P. Eyman, Nov. 9, 1933. Some of these landmarks are to be expunged and have been so marked.

- ✓ Windmill (with tank) at Ocean Beach
- ✓ Tank at Saltaire
- Fire Island C. G. steel frame flag tower (Saw) (to be expunged)
- W. U. T. Radio (to be expunged)
- P. T. C. Radio (to be expunged)

Fire Island C. G. flag tower has been included on the expunged list of Lieut. Comdr. R.P. Eyman. It should, however, be classed as a "C" Class ~~landmark~~ *object* and has been included on the enclosed list of such ~~landmarks~~ *objects*.

No Flagstaff at Ocean Beach, as shown on Chart 578, has been reported either by the field inspection party or Lieut. Comdr. R.P. Eyman's Party.

Fire Island Light House is, of course, prominent and should be retained as a landmark.

In addition to the above the enclosed list of Class (C) ~~landmarks~~ *objects* is submitted. These should not be charted but have been shown on this sheet as they are prominent enough at this scale (1:10,000) and may be used to obtain hydrographic "fixes".

All of the enclosed landmarks with the exception of W.U.T. and P.T.C. Radios were spotted on the photographs by the field inspection party and were also used for supplementary control since they were located on the aluminum control sheet.

Classification (C) ~~Landmarks~~ *objects* of minor prominence - these are recoverable objects which can be identified at close range (about 1 to 2 miles) and may be used by the Light House Service - these should not be charted except on exceptionally large scale charts or where the hydrography is to be done on the regular air-photo topographic sheet.

The following list of signals was mentioned in the Descriptive Report of Lieut. Comdr. R.P. Eyman for Topographic Sheet "D". These signals, Lieut. Comdr. Eyman states, would make good landmarks and have, therefore, been included in the enclosed list of Class (C) ~~landmarks~~ *objects*.

- ✓ (Lag) Tall round brick stack at Ocean Beach (about 35 ft. high)
- ✓ (Air) Steel framed windmill at Lonelyville (about 30 ft. high)
- ✓ Fire Island C. G. steel frame flag tower (Saw)
- ✓ (Can) Dark wooden water tank at Ocean Beach (30 ft. high)
- ✓ (Ped) Shingled tower in shape of four-sided pyramid at Lonelyville (about 50 ft. high)
- ✓ (Pump) Steel frame windmill just west of Saltaire (about 30 ft. high)
- ✓ (Nat) Low wooden water tank near above windmill (about 30 ft. high)
- ✓ (Lar) Square red brick chimney just of the west of Saltaire (about 25 ft. high)
- (Big) White masonry tower in shape of four-sided pyramid about $\frac{1}{4}$ mile S.E. of Fire Id. L. H. (about 30 ft. high)

(Rad) Wooden water tank mounted on steel frame about
400 meters ESE of Fire Id. L. H. (about 30 ft. high)

In addition to the above list of signals the following
appear prominent under the stereoscope and have been included
on the list of "C" Class landmarks. ~~objects~~

(Win) Chimney on W. gable of house
(From) Center of observation platform on roof, center of
building
(Old) Cupola on house
Cupola at west end of building in Saltaire

Signal "Win" was found to be in error and its new position
has been given on the enclosed list of Class (C) landmarks. ~~objects~~

The two radio towers (U. S. Government radio station)
shown on this sheet were spotted by the field inspection party.
No other towers, in the vicinity, were recovered by the in-
spection party.

There are also many other objects (such as shacks and
houses, etc.) which are located within the accuracy specified
in the following chapter, RECOMMENDATIONS FOR FURTHER SURVEYS,
and may be used to obtain hydrographic "fixes". Care should
be taken in using the houses to use the center as the size
shown on this sheet may be expanded somewhat. See also Des-
criptive Report for Sheet, Reg. No. T5059, REPORT ON REVIEW
OF SHEET, ADDITIONAL NOTES, (1) Landmarks.

The landmarks shown on this sheet and included in this
report cover all landmarks (those previously submitted, those
to be retained and any new landmarks) for the area covered by
this sheet. All of these landmarks, when not shown by a
triangle as in the case of triangulation stations, are shown
by a small circle with appropriate label.

RECOMMENDATIONS FOR FURTHER SURVEYS.

The compilation of this sheet is believed to have a
probable error of ^{100 ft.} 2 meters in well defined detail of import-
ance for charting and of 4 meters for other data. It is un-
derstood that the widths of roads, and similar objects may be
slightly expanded in order to keep the detail clear and to
keep it from photographing as a solid area in the photo-
lithographic process.

To the best of my knowledge this sheet is complete in
all detail of importance for charting purposes, within the
accuracy stated above, and no additional surveys are required.

W. E. Brown
Submitted by W. E. Brown
Draftsman

A. K. Spalding
Assisted by A. K. Spalding
Accountant

LIST OF RECOVERABLE TOPOGRAPHIC STATIONS

CLASS (C) LANDMARKS.

Description	Position						Datum	Method of deter- mination
	Latitude			Longitude				
	°	'	D.M. Meters	°	'	D.P. Meters		
(Lag) Brick stack at Ocean Beach (C)	40	38	(131.2) 1719.6	73	09	(967.7) 442.1	N.A. 1927	1933 A.C.S.
(Air) Windmill at Lonelyville (C)	40	38	(1147.6) 703.2	73	10	(541.1) 868.7	"	"
(Saw) Steel frame flag tower, Fire Island C.G. (C)	40	37	(212.0) 1638.7	73	13	(835.8) 574.2	"	"
(Can) Wooden water tank at town of Ocean Beach (C)	40	38	(653.8) 1197.0	73	09	(859.4) 550.4	"	see " - of
(Ped) Tower at Lonelyville (C)	40	38	(1204.3) 646.5	73	10	(459.6) 950.2	"	"
(Pump) Windmill W. of Saltaire (C)	40	38	(1759.8) 91.0	73	12	(1073.0) 337.0	"	"
(Nat) Water tank W. side Saltaire (C)	40	38	(1757.2) 93.6	73	12	(1060.0) 349.8	"	"
(Lar) Brick Chy. W. edge Saltaire (C)	40	38	(1505.6) 345.1	73	12	(936.8) 473.2	"	"
(Big) Masonry tower S.E. of Fire Id. Light House (C)	40	37	(302.7) 1548.0	73	12	(346.2) 1063.8	"	"
(Rad) Wooden water tank, Fire Id. Naval Radio Station (C)	40	37	(156.4) 1694.3	73	12	(54.2) 1355.8	"	"
*(Win) Chy. on W. gable of Ho. (C)	40	38	(593) 1258	73	09	(61) 1349	"	1933 A.P.T.
(Prom) Center of observation plat- form on roof (C)	40	39	(767.0) 1083.8	73	12	(1080.0) 329.5	"	1933 A.C.S.
(Old) Cupola on House (C)	40	38	(1526.0) 324.7	73	12	(799.0) 611.0	"	"
Cupola, W. end of Bldg. Saltaire (C)	40	38	(1227) 624	73	11	(173) 1237	"	1933 A.P.T.

LIST OF RECOVERABLE TOPOGRAPHIC STATIONS

CLASS (C) LANDMARKS

Description	Position						Datum	Method of deter- mination
	Latitude			Longitude				
	o	'	D.M. Meters	o	'	D.P. Meters		
**N. Radio Tower (C)	40	37	(118) 1733	50	73	13 (1386) 24.0	N.A. 1927	1933 A.P.T.
**S. Radio Tower (C)	40	37	(187) 1664	51	73	13 (1386) 24.0	"	"

Note: A. C. S. stands for aluminum control sheet and
A. P. T. for Air Photo Topography

Name preceeding description in parenthesis indicates topographic name shown on aluminum control sheet.

For classification (shown in parenthesis after description) see paragraph Landmarks in Descriptive Report for this sheet.

* The position as obtained from the aluminum control sheet did not check the radial plot position so the new position is given.

** See paragraph LANDMARKS in Descriptive Report for this sheet.

Remarks

Decisions

1	"Sextan I" on T-2948	
2		USGB decision r see H-6189
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8	Uncertain if this is a part of Saltaire	
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GEOGRAPHIC NAMES

Survey No. T 5087

GEOGRAPHIC NAMES										
Survey No. T 5087										
Name on Survey	On Chart No. 578 T-1314, T-1315 On previous survey No. T-1314 On U. S. quadrangle Maps From local information B.P. 23057 On local Maps B.P. 27198 P.O. Guide or Map Rand McNally Atlas U. S. Light List USCP									
	A	B	C	D	E	F	G	H	K	
<u>Sexton Island</u>	✓ app'd	Sexton I. T-1314	✓		✓	✓				1
<u>Great South</u>	✓ app'd		✓				✓			2
<u>Fire Island Beach</u>	✓	T-1375	✓				✓			3
<u>Fire Islands</u>	✓					✓				4
<u>East Fire Island</u>	✓					✓				5
<u>West Fire Island</u>	✓					✓				6
<u>Saltaire</u>	✓ app'd								✓	7
<u>Lonelyville</u>	✓									8
<u>Fair Harbor</u>							✓			9
<u>Ocean Beach</u>	✓						✓		✓	10
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										26
										27

Names underlined in red approved

by SHC on 5/6/37

M 234

Names underlined in red approved

by **WHE**

on **5/6/37**

REVIEW OF PHOTO TOPOGRAPHIC SURVEY NO. T5037

Title (Par. 56) (see enclosed Title Sheet)

Chief of Party Roswell C. Bolstad Compiled by (see enclosed data sheet)

Project New York Air-photo Compilation Instructions dated Nov. 15, 1932
Party No. 12

- ✓1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 8; and 16, a, b, c, d, e, g and i.) Paragraph 8 not applicable to this party. (see paragraph CONTROL in COMPILER'S REPORT)
- ✓2. The character and scope of the compilation satisfy the instructions and the "Notes on the Compilation of Planimetric Line Maps from Five Lens Aerial Photographs".
- ✓3. The control and adjustment of the radial plot were adequate. (Par. 12, 29.) (see COMPILER'S REPORT enclosed, paragraph, Adjustments of Plot under COMPILATION (B)).
- ✓4. There is sufficient control on maps from other sources that were transmitted by the field party for their application to the charts. (Par. 28.)
- ✓5. High water line on marshy ~~and mangrove~~ coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.)
- ✓6. The representation of low water lines, ^{shoal areas and sand bars} ~~reefs, coral reefs and rocks~~, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.)
- ✓7. Important details shown on previous surveys and on the chart have been compared with this sheet and a statement has been entered in the report regarding the removal from the chart or change in position of important detail such as rocks, lights, beacons, prominent objects, bridges, docks, and structures along the water front. Only such changes as noted in the enclosed COMPILER'S REPORT, CONTROL (B); COMPILATION (C) and LANDMARKS have been made on this sheet.
- ✓8. ~~The spans, draws and clearances of bridges are shown.~~ (Par. 16c.)
There are no bridges on this sheet.
- ✓9. The data furnished by the Field Inspection is adequate.

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.

- ✓10. The descriptive report covers all details listed in the Manual, so far as they apply to this survey. (Par. 64, 65 and 66.)
- ✓11. The descriptive report also contains all additional information required in photo topography as prescribed in the instructions and in the "Notes on the Compilation of Planimetric Line Maps from Five Lens Aerial Photographs".
- ✓12. The ~~descriptions of~~ recoverable stations ~~and references to shore lines were accomplished on Form 534, and~~ scaling of positions checked. (Par. 29, 30 and 57.) (see Remarks below) No descriptions submitted by Air-photo Field Inspection Party; the personnel performing the inspection have been transferred from this party previous to receipt of circular letter dated Nov. 30, 1933.
- ✓13. A list of landmarks for charts was furnished ~~on Form 534~~ and scaling of positions checked. (Par. 16d, e, 60.) Landmarks previously submitted by Lieut. Comdr. R. P. Eymen Nov. 9, 1933.
- ✓14. The geographic datum of the sheet is North American 1927 and the reference station is correctly noted. (Par. 34.) (see paragraph CONTROL in COMPILER'S REPORT)
- ✓15. Junctions with contemporary surveys are adequate.
- ✓16. Geographic names are shown on the sheet and are covered by the Descriptive Report. (Par. 64, 66k.)
- ✓17. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46.)
18. No additional surveying is recommended.
19. Remarks: Any additional notes and requirements affecting this area are referred to Lieut. Comdr. R. P. Eymen's Reports covering the topography executed in 1933 under his charge.

20. Examined and approved:

Roswell C. Bolstad
Roswell C. Bolstad
 Chief of Party

21. Remarks after review in office:

Reviewed in office by: *B.G. Jones* ✓

Examined and approved:

K.T. Adams
 Chief, Section of Field Records

L.O. Lobnitz
 Chief, Division of Charts

J.S. Bordin
 Chief, Section of Field Work
G.F. Hulse
 Chief, Division of
 Hydrography and Topography.

Report T5087 Supplemental

1. Name charges only - filed 1/20/36

Bgg.