Form 504 Rev. Dec. 1933 DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR DESCRIPTIVE REPORT Sheet No. 1-5096. StateNew Jersey

LOCALITY Barnegat Bay,

19362

 $\mathcal{K}_{i}^{(i)}$

applied to brawing of Chart 12 16- June 27, 1937 - JFW " compelation " 825 1938 0P.L.V. 3300

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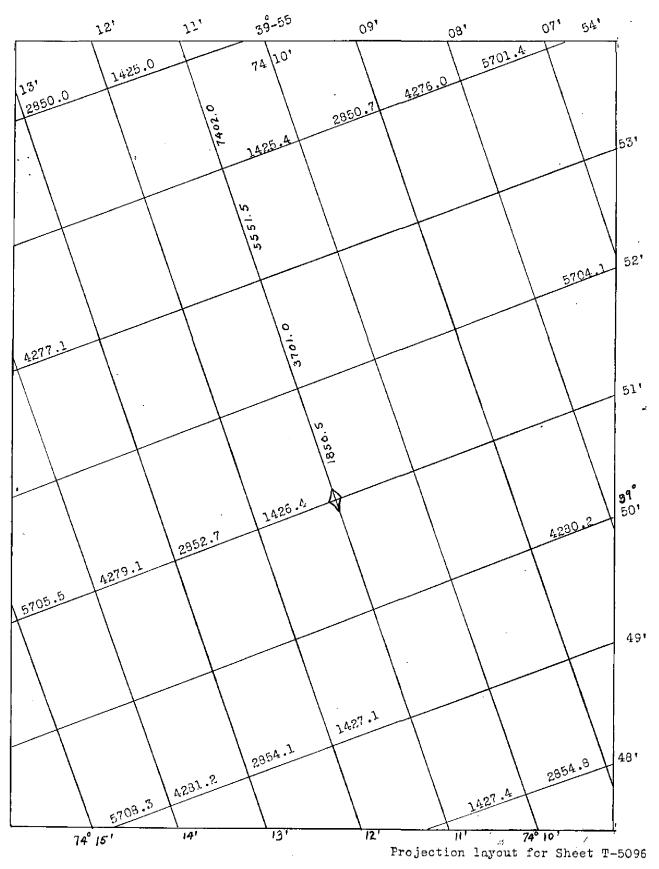
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY

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. 46

T5096 REGISTER NO. T-5096 State New Jersey General locality Barnegat Bay Cedar Curked River Forked River photographs 7/25/32: 4/4/32: 4/4/32 Scale 1: 10,000 Date of Exercise 19 Date of Compilation: January 21, 1936 Vessel Photo Compilation Parties Nos. 12 and-25; N.Y.City & Balto. Md Reviewed and recommended for approval : Chief of party Surveyed by ... Acc STATISTICS SHEET of this report. Inked by W.E.Brown, H. Mach, J.C.Partington Heights in feet above ____ to ground to tops of trees Contour, Approximate contour, Form line interval ____ feet Instructions dated Nevember 15 , 1932 Remarks: Compiled on a scale of 1:10,000 and printed by Photo-lithography.



Comp. by R.C.Bolstad Checked by W.D.Ayers

STATISTICS

on

SHEET, FIELD NO. 46, REG. NO. T-5096

PHOTOGRAPHS AS FOLLOWS:

July 25, 1932 66-51-56 to 66-51-59 incl. taken April 4, 1932 66-4-9 to 66-4-15 incl. taken April 4, 1932 66- 4-73 to 66- 4-78 incl. taken

	<u> </u>	DAT	E_	
•	. -	From	To	
ROUGH RADIAL PLOT	none			
SCALE FACTOR (1.000)	none	_ 		
SCALE FACTOR CHECKED	none			
PROJECTION	R.Batchellor	10-	16-34	
PROJECTION CHECKED W	D. AYERS	10-	16-34	
CONTROL PLOTTED _ W	.E.Brown W.E.BRown P.O'Donnell J.P. O'Donnelly.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	31-34 6-35	
(.C.Partington C. C. Albert C. Albert O. Albert	12-	23-35 26-35	
	.C.Bolstad &.C. Colden		23-36	•
TOPOGRAPHY CHECKED				
	J.P.O' Donnell			
SMOOTH RADIAL LINE PLOT_	J.P.O'Donnell J.P.O'Donnell	3/7/35	3/15/35	
RADIAL LINE PLOT CHECKED		3/18/35	3/20/35	
	W.E. Brown W.E. GROWN H. Mach H. MACH. 1 A P.	1 4/2 /35	5/ 2/35	
	J.C. Partington	6/24/35	6/29/35 1/21/36	
PRELIMINARY REVIEW OF SH		1/22/36	1/24/36	
	2.5 Sq. Statute Miles	(Land Area		
AREA OF DETAIL INKED	0.0 Sq. Statute Miles (S	Shoals in Wate	er Area)	:
LENGTH OF SHORELINE (more	e than 200 m. from neares	t opposite sho	ore) <u>17.6</u> Stat	. Mi
LENGTH OF SHORELINE (rive	ers and sloughs less than	200 m. wide_	21.0 Stat.	. Mi
LENGTH OF STREETS, ROADS	, TRAILS, RAILROADS, etc.	•	120.0 Stat	. Mi
GENERAL LOCATION Barne	egat Bay, New Jersey			
LOCATION Potte	er Creek to Forked River			
DATUM North American 1	<u>.92</u> 7		(
STATION Pottery 1935	Latitude 39 - 53' - Longitude 74 - 08' -	44.260 \/36 44.246 " 136 00.820	(5.1 m) 14.6 m . 9.5m) (madiu	sted)
	DODELLUGE /4 = (16)	4H4-1272 H 11		

(Field Computations)

19-6-m.

COMPILER'S REPORT

for

AIR PHOTO TOPOGRAPHIC SHEET FIELD NO. 46

GENERAL INFORMATION

The 1934 Air Phete Field Inspection Report for the east coast of New Jersey (Metedeconk River to Townsend Inlet) attached to the descriptive report for Air Photo Topographic Sheet Reg. No. T-5286, furnished the necessary field data for the compilation of this sheet. Additional information was obtained from Mr. R.L. Fisher, Draftsman, who made the field inspection of this area.

The accompanying STATISTICS SHEET details all the data in connection with the compilation of this sheet.

This sheet was compiled from single lens photographs taken by the Aere Service Corporation, 1612 Chanceller St., Philadelphia, Pa. The photographs are on a 1:10,000 scale enlargement from the eriginal negatives which are on an approximate scale of 1:21,800. There are three sets of photographs; the date when each set was taken is listed on the STATISTICS SHEET. No record was made of the hour at which these photographs were taken and so the stage of the tide could not be determined. Accurate-measurements-were-taken at-intervals-by-the-field-party-to-determine-the-high-water-line-and-the-distances are noted on the photos.

CONTROL

(A) Sources

1. The positions of the following triangulation stations were obtained from the adjusted computations of Lieut. C.D. Meaney in 1932. They are on North American Datum of 1927, Atlantic Coast Arc.

Lacey 1932 Large Bldg. 1932

2. Theodolite observed control stations. (See item 4 en page 5 of the field inspection report of this area attached to the report for sheet Reg. No. T-5286.) These stations are shown by the regulation 22 millimeter black circle on this compilation sheet. They are marked (d) on the everlay sheet and have been described on Form 524. They are on North American 1927 Datum, and are as fellows:

Potter Dome Golf Club Tank
E.Gable Green Roof South Gable House, So.Gable Hut
Stout Forked River F.P. Chy (A.T.& T.)
Forked River M.E.Ch. Greyhound Cupola Staff
Forked Signal (Temp.)

Station TANK WINDMILL 1935 was located by the party of Lieut.R.C.Bolstad as a theodolite observed control station. This station was located by Lieut.J.C.Sammons at a later date by triangulation methods. It is accordingly shown on the compilation with the triangulation station symbol.

BRIDGES.

The data for the two bridges as shown on the over-lay sheet for this compilation, one at Cedar Creek and one At Forked River, was obtained from the field inspection report attached to Desc. Report T-5286. They are not at present of great importance to navigation as depth of water is the controlling factor which limits navigation to very small craft and row-boats only.

2. (continued)

Station INTER was located by a traverse from triangulation station LACEY 1932. Station INTER is the intersection of two roads and was used to control the radial line plot. It is unmarked and is therefore shown on the celluloid sheet with a double (3) blue circle.

3. Triangulation station CEDAR 1925 was obtained from triangulation during that year. It was used to control the radial line plot.

(B) Errors

No error in position of any control station was found by the radial line plot.

(C) Discrepancies

The railroad traverse of the Central Railroad of New Jersey was used to control the radial line plot and was of great aid. No plottable discrepancies were noted except where obvious changes had been made by new road crossings.

COMPILATION

(A) Method

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

(B) Adjustment of Plot

The railroad traverse noted under CONTROL paragraph (C) was of great aid in making the radial line plot of this sheet. The railroad traverse was tied in the field to theodolite observed stations "VENT CUPOLA" (Sheet No. T-5329) at latitude 39° 50.2" Also A LARGE BLOK No plottable discrepancy with the radial plot in either azional Sac back of imuth or distance was discovered between these two stations. The following the first control and no plottable error in the railroad traverse was noted.

The phetographs covering this area appear to have little scale fluctuation or tilt. No appreciable adjustment of the plot was found necessary.

(C) Interpretation

The usual symbols as approved by the Board of Surveys and Maps were used for all conventional signs. No great difficulty was experienced in interpreting the photographic detail.

Good motor roads are indicated by a double full line and poor motor roads by a double dashed line. Poor roads, trails, and paths are shown by a single dashed line. The boundary of cultivated fields are shown by a long dashed line where such boundaries are definite on the photographs.

Buildings have been examined under the stereoscope and it is believed that all buildings of importance have been shown on the compilation.

There are no bridges of importance to navigation within the area of this sheet.

(D) Information from Other Sources

Some triangulation was accomplished in this area after the sheet had been compiled. This triangulation will be found under Second Order Triangulation, New Jersey Coast, 1935; B.H.Rigg and J.C.Sammons, Chiefs of Party. The following stations form a part of this scheme of triangulation:

Pottery 1935 Lane 1935
Stouts 1935 Fork 1935
Tank Windmill 1935

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The station Tank Windmill had been located by R.C.Belstad as a Fourth Order Theodolite Centrol station prior to the above triangulation. A comparison of the two shows that Belstad's position is 2.6 meters north and 0.7 meters west of the position as determined by J.C.Sammens. The position as determined by R.C.Belstad was used to control the radial line plot, since this station was not located by J.C.Sammens until after the photo plot had been completed.

The field inspection of this sheet was completed before stations POTTERY, LANO, STOUTS, and FORK had been located by triangulation. These four stations were not used in controlling the radial line plot. Their positions have been plotted on the compilation, but they have not been spetted on the photographs.

(E) Conflicting Names

The names on this sheet are listed on form M-234 which forms a part of this report. The name as listed in the column "Name on Survey" is recommended for charting.

COMPARISON WITH OTHER SURVEYS

This compilation (T-5096) has been compared with aluminum topographic sheets field letters G, E, and F. The aluminum sheets were accomplished by the party of J.C.Sammons in 1935.

A comparison of this compilation with sheet E shows the following Topographic station Potter is identical on both sheets.

Topographic station Dome is the same on both sheets in an east - west direction but is 2½ meters farther nerth on aluminum sheet E than on Photo Compilation T-5096. The position of this station on aluminum sheet E is also 2½ meters north of the position shown on card Form 524. On aluminum sheet E, station Dome was located by three planetable cuts from triangulation stations SEASIDE PARK. NEW JERSEY, and POTTERY. From SEASIDE PARK, station Dome is about 1 inch beyond the end of an ordinary plane-table alidade and from station New Jersey, Dome falls within about 2 inches from the end of the alidade.

The three cuts intersect very well, however.

Station Dome was located by the party of Lieut. R.C.Bolstad by theodolite cuts from stations SEASIDE HEIGHTS S.P. 1926 and from Shack. SEASIDE HEIGHTS S.P. is a 1926 triangulation station, while the position of Shack was determined by a theodolite and tape traverse from triangulation station FLY 1932.

It is believed that the position of station Dome as determined by theodolite cuts is more accurate than the planetable position.

See mut Page

* no constant have been made to their stations as they are within the accuracy of the compitation f. C. f.

In the vicinity of triangulation station POTTERY the shereline on aluminum sheet E agrees with the shoreline shown on compilation T-5096.

Photo Compilation No. T-5096 was compared with aluminum topographic Sheet F with the following results:

The position of topographic station E.Gable Green Roof as shown on Sheet F is 3.0 meters south and 2.0 meters east of the position shown on Compilation T-5096.

The pesetions of topographic stations South Gable House, So. Gable Hut, Stout, and Forked are identical on the two sheets.

On aluminum topographic sheet F the position of station E. Gable Green Roof was determined by plane-table cuts from triangulation stations FLY, FORK and plane-table setup 31. The position of this station was determined by the party of R.C.Bolstad by means of a theodolite three-point fix on triangulation stations ISLAND BEACH C.G.STA., CEDAR CREEK C.G.STA., and FORKED RIVER C.G.STA. The position of this station can also be determined by the quadrilateral E.Gable Green Roof, CEDAR CREEK C.G. STA., FORKED RIVER C.G.STA., Stout. It is believed that the position as shown on the photo compilation T-5096 is more accurate than that shown by aluminum sheet F.

The shoreline on sheet F has been compared with the shoreline

on the photo compilation and the two are in agreement.

The positions of the following recoverable topographic stations have been transferred to photo compilation T-5096 from aluminum sheet F:

Wow Pink Beacon 47-A Radio Aco (Beacon) Beacon 46

Photo Compilation No. T-5096 was compared with aluminum tepographic Sheet G with the following results:

The positions of the following topographic stations were determined by the party of Lieut.R.C.Belstad by theodolite fourth order control:

Chy (A.T.& T.) Forked River F.P. Forked River M.E.Ch Greyhound Cupola Staff Signal (Temp.)

The position of each of the above stations as shown on the photo compilation was compared with the position as found on sheet G. The positions of these stations were found to be identical on the two sheets.

The positions of the following recoverable topographic stations have been transferred to the photo compilation from aluminum sheet G:

State Throop Chat

There is no shereline on aluminum sheet G which falls within the area of this compilation.

In addition to all the recoverable topographic stations mentioned there are four other stations which have been shown on the compilation with a $2\frac{1}{2}$ millimeter black circle. These four stations

in House pay

have been spotted in the photos by the field inspection party and their positions determined by radial line plot. They are as follows:

N.J. G. # 2239 N.J. G. # 2241 N.J. Geod 5. # 2244 Lanoka Harbor M.E. Church

Forked River Pres. Ch.

Universalist Church, west Gable)

Golf. Club TANK

This compilation joins on the north with Sheet Reg. No. T-5329, and On the south with Sheet Reg. No. T-5098. This compilation joins on the east with Sheets Reg. Nos. T-5097 and T-5330 but the junction falls in the water area so that no comparison is necessary.

The junction of this compilation with Sheets Nos. T-5329 and T-5098

have been compared and found satisfactory.

No comparison has been made between this compilation and former topographic sheets.

LANDMARKS

A list of landmarks, including those to be expunged, has been submitted by this party in the field inspection report which is attached to the Descriptive Report of Sheet Reg. No. t-5286. It is assumed that Lieut. B.H.Rigg, who is conducting operations in this area at present, will check the list and make any revisions if necessary.

There are also many other objects (such as houses, ends of docks, etc.) which are located within the accuracy specified under the following heading, <u>RECOMMENDATIONS FOR FURTHER SURVEYS</u>, which may be used to obtain hydrographic "fixes". Care should be taken when using the houses to use the center as the size shown on the compilation may be expanded somewhat.

RECOMMENDATIONS FOR FURTHER SURVEYS

This compilation is believed to have a probable error of not more than 2 meters in the position of well defined detail of importance for charting, and of not over 4 meters for other data. It is understood that the width of roads and similar objects may be slightly exaggerated in order to procure well defined lines when the detail is reproduced.

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

Submitted by:

C. Partington

Jr. H.& G.E.

* an accuracy of 2 to 4 meters for work on the is sent is too high a better extende is 0.3 to 0.5 mm for other details points and 0.3 to 0.8 mm for other details for the

Name	Method of Location	Remarks
Aco (Beacon)	Tope. Sheet "F"	Transferred to T-5096
Beacon 46	Topo. Sheet "F"	Transferred to T-5096
Hancon 47-A	Topo. Sheet "F"	Transferred to T-5096
Chat	Topo. Sheet "G"	Transferred to T-5096
Chy (A.T.& T.)	4th Order Triang	Verified- Topo Sheet"G"
Cupela Staff	4th Order Triang	11 . 11 11
Dome	4th Order Triang.	Discrepancy of 3 M. with Sheet "E
E.Gable Green Roof	4th Order Triang.	" " 3½ M " " "F
N. J. F. R. 9 # 2239	Radial plet T-5096	
N.J. 6509.5.# 2241	" T-5096	
N.J. GRODS # 2244	" T-5096	
Forked	4th order Triang.	Verified- Topo Sheet "F"
Forked River F.P.	4th order Triang.	n n nGu
Forked River M.E.C	h 4th order Triang	n n nGn
Forked River Pres.	Ch Radial plot T-5096	
Golf Club Tank	4th order Triang.	
Greyhound	4th " "	Verified- Topo Sheet "G"
Lanoka Harbor M.E.	.Ch. Radial plot T-5096	
Pink	Topo. Sheet "F"	Transferred to T-5096
Petter	4th order Triang.	Verified- Topo Sheet "E"
Radio	Topo. Sheet "F"	Transferred to T-5096
Signal (Temp)	4th order Triang.	Verified-Topo Sheet "R"
South Gable House	4th order Triang.	Verified- Topo Sheet "F"
So.Gable Hut	4th order Triang.	n n n nFn
State	Topo .Sheet "G"	Transferred to T-5096
Stout	4th order Triang.	Verified- Topo Sheet "F"
Threep	Topo Sheet "G"	Transferred to T-5096
Universalist Church		
West Gable	Radial plot T-5096	
Wow	Topo Sheet "F"	Transferred to T-5096

	Remarks	Decisions
1	Also on official N.J.State Highway map. R.R.Station also named "Pinewald"	
2		
ĺ	Also on official N.J.State Highway map.	
5	Shown as Lanoka Harbor on N.J.State official map, (highwa R.R.Station named "Lanoka Harbor"	у).
6	Formerly called "Toms River & Wareton Branch of N.J. Southern Railroad". N.J. State official Hwy. map sh	ows C.R.R. of N.J.
7	Also shown on official N.J. State Highway map.	
9	a photo-craip only	
10	Do. V	
11	Do-	
12	Go. Also shown on official N.J.State Highway map.	
13_	41-11-11-11-11-11-11-11-11-11-11-11-11-1	
14		
15		
16 _.	<u> </u>	
17		
18		
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21.		
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24		
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26		
27		
M 234]

Or Joseph Joseph Pord Metall Arias Or to Or to be on to the 6. Cripe of Was E NO CE LOS MOSES GEOGRAPHIC NAMES tron to the land Survey No. 1-5096 Name on Survey G X 1 PINEWALD 3 men Potters X X 2 POTTER CREEK 3 men X 3 men CEDAR CREEK X 3 Stouts X 4 X Cr. 3 mön STOUT CREEK Lenok I χ Lanoka 5 Sta. 3 men LANOKA HARBOR X 6 CENTRAL R.R. of N.J. 3 men X FORKED RIVER (town) X Х 3 men X 7 Х 8 3 men FORKED RIVER (stream) X X X 9 NORTH BRANCH - Forked R 3 men X MIDDLE BRANCH - Forked 15 10 3 men X SOUTH BRANCH - Forked R 3 men 11 STATE GAME FARM 3 men 12 X X 13 BARNEGAT BAY X 3 men 14 15 ्ति रस्ये विद्यारगण्ये lames underline. 1,6 17 18 19 20 21 22 23 24 25 26 27 M 234

PLANE COORDINATE GRID SYSTEM

Positions of grid intersections used for fitting the grid to this compilation were computed by Division of Geodesy and the computation forms are included in this report.

Positions plotted by

Positions checked	l by,
Grid inked on mad	phine by
Intersections ink	ced by
Points used for plotting gr	·id:
<u>x</u>	<u>x</u>
<u>x</u>	<u>x</u>
<u>x</u> <u>y</u>	<u>x</u>
<u>x</u>	<u>x</u>
Triangulation stations used	for checking grid:
1	5
2.	6.
3	7.
4	8.
* This grid was no	t plotted on celluloid because of
-	. The attached computations
may be used	later BEAsk

GEODETIC POSITIONS FROM TRANSVERSE MERCATOR COORDINATES

State	У. J.	Station	
x	2,130,000.00	$\log S_{\sigma}$	5.11344054
K	_ 2,	log (1200/3937)	9.48401583
x' (=x-K)	+ 130,000,00	log (1/R)	1086
$x'^3/(6\rho_o^2)_{,}$		$\log S_m$	4 59796723
S	129,999,16	cor. arc to sine	279
1		$\log S_1$	4.59796444
3 log x'	15,34183005		8.50912123
log 1/(60.2).	4.5810213	log sec φ	0.11504417

GEODETIC POSITIONS FROM TRANSVERSE MERCATOR COORDINATES

	State	! J.	Station	
	xK			9,48401583
	$x'^2/(6\rho_o^2)_o$	+ 150,000.00 - 1.29 - 149,998.71	$\log S_m$	¥.65911422
	$\log 1/(6\rho_0^2)_g$	j.	log sec φ	0,11504227
7 7-	$\log x^{\prime s}/(6 ho_o^2)_\sigma$	0.1092951	log Δλ ₁ cor. sine to arc	3.24327403 + 627
ı				
	,			

GEODETIC POSITIONS FROM TRANSVERSE MERCATOR COORDINATES

7	2.130,000.00	$\log S_{\varrho}$	5.11394059
x			9.48401583
	+ 130,000.00	1)	J.
	. 4	<u> </u>	
· ·	129,999.1	[I	279
		$\log S_1$	1 -
3 log x'	153418300	11	1
1 -	4.5810213	11	}
1	9,9228514	1	(.
		11	+ 472
$\log S_m^2$	9,1959349	log Δλ	3,22170204
log C	1.325600	Δλ	, "
log Δφ	0,521534		
<u> </u>	360,000.00	لان	
1			
11			

$K = x' (=x-K) + x'^3/(6\rho_0^2)_{\theta} = -x'^3/(6\rho_0^2)_{\theta}$	140,000.00	log (1200/3937) log (1/R)	1086
$x' (=x-K)$ $+$ $x'^3/(6\rho_o^2)_{\mathfrak{g}}$ $-$		log (1/R)	9.48401583_
$x'^3/(6\rho_o^2)_{\mathfrak{g}}$			1086
	1.05	$\log S_m$	1 , 5 2 -
3			4.62915147
*	139,998.95	cor. arc to sine	- 3 2 K ³
		log S ₁	- 32K 4.62914824
$\log x'$	43838412	log A	8.50912228
$\log 1/(6\rho_o^2)_g = 4$.5810213	log sec φ	0.11478254
$\log x'^3/(6\rho_o^2)_g - Q$	0194054	$\log \Delta \lambda_1$	3,25\$05312
	- -	cor. sine to arc	+ 576
$\log S_m^2$	1,25=830294	log Δλ	3,25,0585\$
	. > 2 6 0 2 0	Δλ	1790.8474

REVIEW OF AIR PHOTO COMPILATION T-5096

Comparison with Contemporary Graphic Control Surveys.

T-6397a & b (1935) 1:10,000; T-6398a (1935) 1:10,000.

Light No. 46 shown on T-6397b has been moved since the survey was made and for this reason has not been shown on the compilation.

The compilation is in agreement with portions of the above surveys which it covers.

All information and detail on the above Graphic Control Survey and covered by the compilation, is shown on the compilation, except the temporary topographic signs and magnetic meridians.

Comparison with Contemporary Hydrographic Surveys.

H-5871 (1935) 1:10,000; H-6140 (1935) 1:10,000.

The shoreline on the above Hydrographic Surveys was taken from the compilation and is in agreement with the soundings.

Comparison with Former Topographic Surveys.

T-117 (1839) 1:10,000; T-118 (1839) 1:10,000.

The compilation is much more complete in detail than the above former surveys. 7 T-117 and T-118 shows only minor time changes along their shores from the compilation. The compilation is complete and adequate to supersede those portions of the above surveys which it covers.

Comparison with Charts 1216 and 3243.

The compilation shows numerous corrections to topographic detail on Chart 1216. Chart 3243 is a chart showing and marking the inland waterway.

General.

de se

A comparison with the photos shows the compilation to be complete in detail but the drafting is below the average.

L. C. Lande

REVIEW OF AIR PHOTO COMPILATION NO. T-5096.

Chief of Party: Roswell C. Bolstad Compiled by: (See STATISTIC SHEET).

Project: Air Photo Compilation Party #12. Instructions dated: Nov. 15, 1932.

- 1. The charts of this area have been examined and topographic information necessary to bring the charts up to date is shown on this compilation. (Par. 16a, b,c,d,e,g and i; 26; and 64)
- change in position, or non-existence of wharfs, lights, and other topographic detail of particular importance to navigation which affect the chart, is discussed in the descriptive report. (Par. 26; and 66 g,n)
- 3. Ground surveys by plane table, sextant, or theodolite have been used to supplement the photographic plot where necessary to obtain complete information, and all such surveys are discussed in the descriptive report. (Par. 65; and 66 d,e)
- 4. Blue-prints and maps from other sources which were transmitted by the field party contain sufficient control for their application to the charts. (Par. 28) No blueprints secured of this area.
- 5. Differences between this compilation and contemporary plane table and rectified in the field before forwarding the compilations to the office and are discussed in the descriptive report. Hydro. Sheets not available for comparison.
- 6. The control and adjustment of the photo plot are discussed in the descriptive report. Unusual or large adjustments are discussed in detail and limits of the area affected are stated. (Par. 12b; 44; and 66 c,h,i)
- 7. High water line on marshy and mengeone coast is clear and adequate for chart compilation. (Par. 16a, 43, and 44)

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Refer also to the pamphlet "Notes on the Compilation of Planimetric Line Maps from Five Lens Air Photographs."

- 8. The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41) None shown on this sheet.
- 9. Recoverable objects have been located and described on Form 524 in accordance with circular 30, 1933, circular letter of March 3, 1933, and circular 31, 1934. (Par. 29, 30, and 57)
- 10. A list of landmarks was furnished on Form 567 and instructions in the Director's letter of July 16, 1934, Landmarks for Charts, complied with. (Par. 16d, e; and 60) (See Landmarks, report T-5286, also submitted by Lt. Sammons, 1935 with topo. sheets E, F, & G.)
- All bridges shown on the compilation are accompanied by a note stating whether fixed or draw, clearance, and width of draw if a draw bridge. Additional information of importance to navigation is given in the descriptive report. (Par. 16c)
- 12. Geographic names are shown on the overlay tracing. The accepted local usage of new names has been determined and they are listed in the report, together with a general statement as to source of information and a specific statement when advisable. Complete discussion of place names differing from the charts and from the U. S. G. S. Quadrangles is given in the descriptive report, together with reasons for recommendations made. (Par. 64, and 66k)
- 13. The geographic datum of the compilation is N. A. 1927 and the reference station is correctly noted.

 (adjusted)
- 14. Junctions with adjoining compilations have been examined and are in agreement. (Par. 66j)
- 15. The drafting is satisfactory and particular attention has been given the following:
 - 1. Standard symbols authorized by the Board of Surveys and Maps have been used throughout except as noted in the report.
 - 2. The degrees and minutes of Latitude and Longitude are correctly marked.

- 3. All station points are exactly marked by fine black dots.
- 4. Closely spaced lines are drawn sharp and clear for printing. MAY Require some Office touching up :
- 5. Topographic symbols for similar features are of uniform weight. Same remark as for 4 above.
- 6. All drawing has been retouched where partially rubbed off.

 Same remark as for 4. above gus
- Buildings are drawn with clear straight lines and square corners where such is the case on the ground.

(Par. 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 48)

- 16. No additional surveying is recommended at this time.
- 17. Remarks: Any additional reports and requirements affecting this area are referred to the reports of Lt. Sammons who conducted a 1935 combined-operations party in this locality. Field inspection report attached to Descriptive Report T-5286 also gives additional information.
 - 18. Examined and approved;

Chief of Party

19. Remarks after review in office:

Reviewed in office by: L. A.

L. C. Landy Bg. Jones

Examained and approved:

Chief, Section of Field Records

Chief, Division of Charts

Chief, Section of Field Work

Chief, Division of Hydrography and Topography.

	GEOGRAPHIC NAMES				igh /s	\$ /			M20	Prilos /	. /
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	Pinewald			<u></u>		,					1
	Potter Creek										2
•	Gedar Creek								ļ		3
	Lanoka Harbor										4
	Forked River								<u> </u>		5
	Central Railroad of N.J.	ļ									6
	Stout Creek	-		<u> </u>		<u> </u>	ļ				7
	Barnegat Bay			<u> </u>							8 -
	North Branch-Forked Rive	r		<u> </u>		ļ		<u> </u>			9
	Middle Branch Forked Riv	<u>'</u>	-						ļ	ļ	10
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