

SUPPLEMENTAL

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4568A Supplemental

Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton Director

U. S. COAST & GEODETIC SURVEY
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MAY 16 1931

State: New Jersey

Acc. No.

DESCRIPTIVE REPORT

Photo

Topographic

Hydrographic

Sheet No. 4568

LOCALITY

Hudson River

Fort Lee to Englewood Yacht Club

1931

CHIEF OF PARTY

O. S. Reading.

U. S. GOVERNMENT PRINTING OFFICE: 1929

SUPPLEMENTAL

DESCRIPTIVE REPORT TO ACCOMPANY

AIR PHOTO TOPOGRAPHIC SHEET No. 4568

FT. LEE TO ENGLEWOOD YACHT CLUB.

This is a compilation of two overlapping strips of single lens photographs, numbers 190 to 209, and 150 to 159, direction of flight to northward, taken with a Hugerhoff 5x7 camera, with Tessar lens, by the Aerotopographic Corporation of America. Photographs Nos. 190 to 209 were taken at 10:20 A.M., September 4, 1930. Photographs Nos. 150 to 159 were taken at 12:00 noon, September 24, 1930. Low water in the Hudson River on September 4, 1930, occurred at 12:38 P.M. at Englewood Ferry.

LIMITS OF SHEET.

This sheet includes the area from the west coast of the Hudson River to about a mile inland, and from Fort Lee to Englewood Yacht Club.

CONTROL.

This sheet was controlled by several triangulation and topographic stations and also the shoreline of T-4554. Quite a few of the hydrographic stations were found to be slightly in error. The shore line of the photographs failed to check T-4554 in some places, and where the photos were sufficiently controlled, the shore line was changed to comply with them.

COMPILATION.

A 1:5000 projection was made on the celluloid sheet and all control points plotted. The shore line from T-4554 was traced in black ink.

The single lens negatives of this area were of an approximate scale of 1:10,000. The photographs from these negatives were enlarged to a scale of 1:5,000. Due to the fact that the sheet was of the Palisades, the entire area covered by each picture was not to a scale of 1:5,000. In making the radial plot it was found that the topographic stations and the shore line could not be given much weight, consequently the radial plot was made holding to the triangulation. A plot was made that tied in very well with the adjoining aerial sheet No. 4570. The shore strip (photos 190-209) had sufficient overlap. The inshore strip (photos 150-159) however, had very poor overlap - generally a scant fifty to forty-five percent. For this reason the inshore plot was necessarily weak.

CHANGES.

In general the shore line of the photographs agreed very well with T-4554, but there were a few slight changes made. Most of the piers were changed slightly. The Englewood Ferry location was moved a few meters north of the location given by T-4554. The western pier of the Fort Lee-Washington Heights bridge was altered slightly in azimuth and location. An extended projection was made which included the east side of the Hudson River and an azimuth check was made of the bridge with the eastern pier (on aerial sheet No.4567). The agreement was found to be very good. The "camping ground" was altered slightly as was the large pier just south of it. The Englewood Yacht Club basin was moved a few meters north.

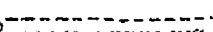
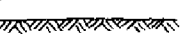
LANDMARKS FOR CHARTS.

The list of prominent objects for charts was furnished by the Ship NATOMA from a field inspection. These objects are marked on a series of 1:10,000 prints which should be consulted by the chartographer.

NAMES.

The names appearing on this sheet were taken from chart No. 281, the A.A.A. road map, and the Sanborn maps of the Palisades.

SYMBOLS.

The standard topographic symbols were used throughout this sheet except: crest of Palisades indefinite, ; crest of Palisades definite, 

Respectfully submitted,

Frank G. Erskine

Frank G. Erskine,
Jr. Carto. Engr.

*Approved & Forwarded
J. Reading*

APPROVED

K.T. Adams
FIELD RECORDS (O)

J. Borden
Chief, Section Field Work

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Chief, Division of Charts

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Chief, Div. of Hyd'y and Top'y

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

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DIRECTOR, U. S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted.

Chief of Party.

DESCRIPTION	POSITION					METHOD OF DETERMINATION	CHARTS AFFECTED
	LATITUDE		LONGITUDE		DATUM		
	° ' "	D. M. METERS	° ' "	D. P. METERS			
✓ Flag pole near red brick school house on Palisades	40 50 30	413(512)	73 58 00	246(437)	14-192	Topo	281
✓ Red brick school house on Palisades	40 50.7		73 58.2		14-192	Photo	281
Dark stone house with flat roofs near edge of Palisades	40 50.8		73 57.9		14-191	Photo	281
Large white colonial house on top of Palisades	40 50.9		73 57.8		14-196	Photo	281
West tower, Ft. Lee - Washington Heights Bridge	40 51.2		73 57.5		14-197	Photo	747 281
Stucco house on top of Palisades	40 51.2		73 57.7		14-197	Photo	747 281
Pavilion on beach	40 51.4		73 57.5		14-198	Photo	747 281
Radio towers (north & South) on Palisades	40 51.6		73 57.6		14-199	Triangulation	747 281
Black house on Palisades	40 51.8		73 57.4		14-202	Photo	747 281
N.E. Chimney, large red roof, stucco house on Palisades	40 52 00	67(858)	73 57 00	307(396)	14-202	Topo	747 281
✓ Cross on southern dark bldg of St. Joseph's Orphanage	40 52 00	688(237)	73 57 00	35(688)	14-206	Photo Chg. from Topo	747 281
Ferry building	40 52.5		73 56.8		14-207	Photo	747 281
Light mast, Yacht Club	40 52 30	385(540)	73 56.30	341(368)	14-207	Photo Chg. from Topo	747 281
Stack of sunken tug boat	40 50 30	193(732)	73 57 30	585(118)	14-190	Topo	281
Pavilion at Yacht Club	40 52.8		73 56.8		14-207	Topo	747 281
Ø Peb. large rock prominent.	40 51 30	731(194)	73 57 00	257(446)	14-202	Topo	747 281

A list of objects which are of sufficient prominence for use on the charts, together with a description of the same, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report. The selection, determination, and description of these points are of primary importance.

The description of each object should be short, but such as will identify it; for example, standpipe, water tower, church spire, tank, tall stack, red chimney, radio mast, etc. Generally, flagstaffs and like objects are not sufficiently permanent to chart.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4568

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.

REGISTER NO. 4568

State New Jersey

General locality Hudson River

Locality Ft. Lee to Englewood Yacht Club.

and Sept. 24/30 photos taken.

Scale 1:5,000 Date of survey Sept. 4/30, ix

Vessel Aerotopographic Corporation of America's Aeroplane

Chief of Party O. S. Reading

Surveyed by F. G. Erskine

Inked by F. G. Erskine

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated, 19

Remarks: Compilation of single lens air photographs Nos. 190 to 209 and 150 to 158, and printed by Photolithographic process in Printing Section.

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DESCRIPTIVE REPORT, AIR PHOTO COMPILATION T-4568A

T-4568A is identical with T-4568 except for the deletion of that area covered by T-5451 (1934) and minor corrections at the junction with T-5451.

Negatives corrected and new copies printed for sale August 1937.

B. G. Jones
B. G. JONES

9/13/37

See also next Page

DESCRIPTIVE REPORT T-4568A, Supplemental

May 26, 1939

Corrections shown in red on T-4568A Supplemental were plotted in this office from single lens air photographs.

Photographs

Single lens, 7 x 9, scale 1:10,000, taken early in February 1939 by Photo Unit, Naval Air Station, Washington, D. C.

Field Inspection

Shoreline inspection of the photographs was made by the Tender GILBERT in April 1939. Field inspection notes made directly on field photographs and on copy of chart 747 filed as ~~G. S. 156 in Air Photo Unit.~~

Blue Print 32855.

Plot

Details in red plotted by transfer of details in projector from the 1:10,000 scale contact prints.

*and reported to the Cartographic Section
for correction of chart 747 in March 1939.*

*B. G. Jones
6/19/39*