

TP-00841

ORIGINAL

TP-00841

NOAA FORM 76-35

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT

Type of Survey Shoreline

Job No. CM-7415 Map No. TP-00841

Classification No. Edition No. 1

Field Edited Map

LOCALITY

State Maryland

General Locality Baltimore Harbor

Locality Mouth of Patapsco River

1974 TO 1975

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72) <div style="text-align: center; margin-top: 5px;"> U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN. </div> <div style="text-align: center; margin-top: 20px;"> DESCRIPTIVE REPORT - DATA RECORD </div>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY TP. <u>00841</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</u> JOB <u>XDCM-7415</u>								
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Atlantic Marine Center, Norfolk, VA OFFICER-IN-CHARGE Jeffrey G. Carlen, Cdr.		LAST PRECEDING MAP EDITION <table style="width:100%;"> <tr> <td style="width:50%;">TYPE OF SURVEY</td> <td style="width:50%;">JOB PH. _____</td> </tr> <tr> <td><input type="checkbox"/> ORIGINAL</td> <td>MAP CLASS _____</td> </tr> <tr> <td><input type="checkbox"/> RESURVEY</td> <td>SURVEY DATES:</td> </tr> <tr> <td><input type="checkbox"/> REVISED</td> <td>19__ TO 19__</td> </tr> </table>		TYPE OF SURVEY	JOB PH. _____	<input type="checkbox"/> ORIGINAL	MAP CLASS _____	<input type="checkbox"/> RESURVEY	SURVEY DATES:	<input type="checkbox"/> REVISED	19__ TO 19__
TYPE OF SURVEY	JOB PH. _____										
<input type="checkbox"/> ORIGINAL	MAP CLASS _____										
<input type="checkbox"/> RESURVEY	SURVEY DATES:										
<input type="checkbox"/> REVISED	19__ TO 19__										
I. INSTRUCTIONS DATED											
1. OFFICE		2. FIELD									
Aerotriangulation 7 Feb 1975 Compilation 12 Mar 1975		<u>August 16, 1974</u>									
II. DATUMS											
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)									
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input checked="" type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify)									
3. MAP PROJECTION Polyconic		4. GRID(S) <table style="width:100%;"> <tr> <td style="width:50%;">STATE</td> <td style="width:50%;">ZONE</td> </tr> <tr> <td>Maryland</td> <td></td> </tr> </table>		STATE	ZONE	Maryland					
STATE	ZONE										
Maryland											
5. SCALE 1:5,000		STATE ZONE STATE ZONE									
III. HISTORY OF OFFICE OPERATIONS											
OPERATIONS		NAME	DATE								
1. AEROTRIANGULATION BY METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY		I. Rayborn	Apr 1975								
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: <u>Calcomp</u> CHECKED BY		R. Robertson	Apr 1975								
3. STEREOSCOPIC INSTRUMENT COMPILATION PLANIMETRY BY INSTRUMENT: <u>Wild B-8</u> CHECKED BY SCALE: <u>1:7,500</u>		C. Blood	Jul 1975								
4. MANUSCRIPT DELINEATION PLANIMETRY BY METHOD: <u>Smooth drafted</u> CHECKED BY SCALE: <u>1:5,000</u> HYDRO SUPPORT DATA BY		J. Roderick	Aug, Oct 1975								
5. OFFICE INSPECTION PRIOR TO FIELD EDIT Jim Byrd ^{at 1975} BY		F. Margiotta (Partial)	Aug 1975								
6. APPLICATION OF FIELD EDIT DATA CHECKED BY		D. Butler	Jan 1976								
7. COMPILATION SECTION REVIEW BY		A. L. Shands	Feb 1976								
8. FINAL REVIEW BY		A. L. Shands	Feb 1976								
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		C. H. Bishop	Mar 1977								
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		J. B. Phillips	June 1977								
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		R. T. Cate	July 1977								

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00841
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8"E" and RC-10"C"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE Baltimore		<input checked="" type="checkbox"/> (C) COLOR <input type="checkbox"/> (P) PANCHROMATIC <input type="checkbox"/> (I) INFRARED		ZONE Eastern	
<input checked="" type="checkbox"/> PREDICTED TIDES Fort McHenry <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
				MERIDIAN 75th	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
74E(C)6933-6936*	17 Oct 74	13:10	1:15,000	0.1 ft. below MLW	
74E(C)7281-7282*	21 Oct 74	10:46	1:15,000	0.9 ft. above MLW	

REMARKS

*Compilation photography

2. SOURCE OF MEAN HIGH-WATER LINE:

The MHWL was compiled from office interpretation of the above listed photographs and field edit corrections at:

Lat. $39^{\circ} 14' 29''$ to $44''$, Long. $76^{\circ} 36' 44''$ to $49''$, indicated on Photo 74E(C)6935
 Lat. $39^{\circ} 14' 47''$ to $53''$, Long. $76^{\circ} 36' 00''$, indicated on Photo 74E(C)6934
 Vicinity of Lat. $39^{\circ} 14' 40''$, Long. $76^{\circ} 35' 40''$, indicated on Photo 74E(C)6934
 Vicinity of Lat. $39^{\circ} 14' 40''$, Long. $76^{\circ} 35' 30''$, indicated on Photo 74E(C)6934

3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

None compiled.

4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-00837	TP-00842	TP-00848 (1:10,000)	TP-00840

REMARKS

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TP-00841

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. S. Tibbetts	Sep 1974
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	NA NA NA
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	None None None
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION BY	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
None		NA	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
3. PHOTO NUMBERS (Clarification of details)			
None			
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED			
None			
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
5. GEOGRAPHIC NAMES: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE		6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE	
7. SUPPLEMENTAL MAPS AND PLANS			
None			
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)			
None			

NOAA FORM 76-36C
(3-72)

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00841
HISTORY OF FIELD OPERATIONSI. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	George W. Jamerson	Sept-Oct 1975
2. HORIZONTAL CONTROL	RECOVERED BY G. W. J.	Sept 1975
	ESTABLISHED BY NA	
	PRE-MARKED OR IDENTIFIED BY NA	
3. VERTICAL CONTROL	RECOVERED BY NA	
	ESTABLISHED BY NA	
	PRE-MARKED OR IDENTIFIED BY NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY G. W. J.	Oct. 1975
	LOCATED (Field Methods) BY NA	
	Verified JOHN W. J. J. BY G. W. J.	Oct. 1975
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION	
	<input type="checkbox"/> COMPLETE	
	<input type="checkbox"/> SPECIFIC NAMES ONLY	
	<input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY G. W. J.	Oct. 1975
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED None	2. VERTICAL CONTROL IDENTIFIED None		
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

74 E(C) 6934, 6935, 7282

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

Data for objects verified in the field are listed under 8. below.

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

2 Form 76-40
1 Field Edit Ozalid
1 Field Edit ReportNOAA FORM 76-36C
(3-72)

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

TP-00841

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete, pending Field Edit	10 Oct 75	Class III Manuscript Superseded	24 Nov 75	21 Oct 75
Field Edit applied. Compilation complete.	Jan 76	Class I Manuscript Superseded	7 Jun 76	
Final Review	Mar 77		26 May 77	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		2 Jul 76	Landmarks for charts.
1		2 Jul 76	Landmarks for deletion.

2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 2 July 19763. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

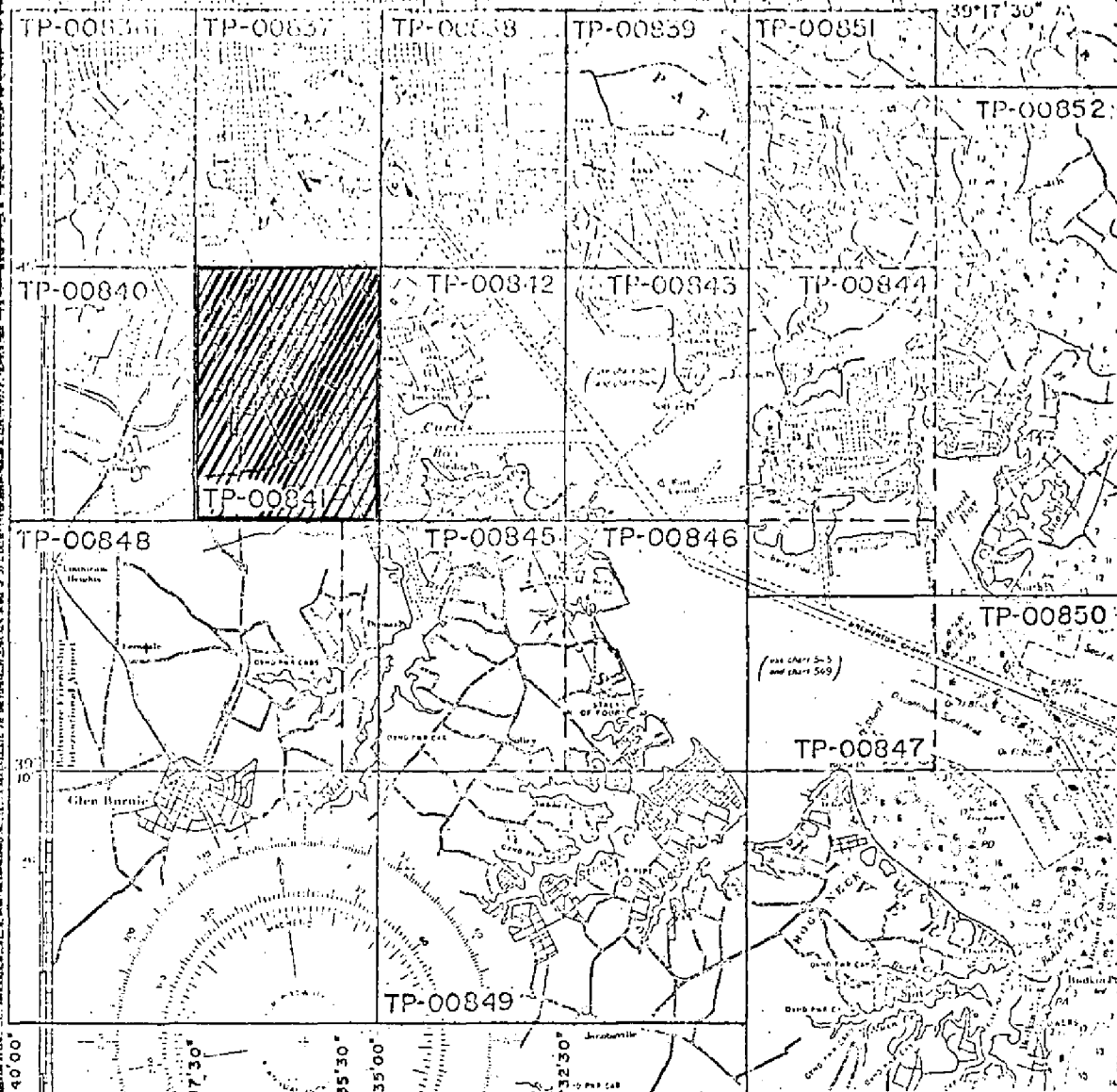
III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
 2. ☐ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM ~~NOA-102~~ ⁷⁶⁻⁴⁰ SUBMITTED BY FIELD PARTIES.
 3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
 ACCOUNT FOR EXCEPTIONS:

4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	



Official Mileage for Cost Accounts

Sheet No.	Sq. Miles
TP-00836	1
TP-00837	4
TP-00838	2
TP-00839	1
TP-00840	2
TP-00841	2
TP-00842	4
TP-00843	2
TP-00844	3
TP-00845	4
TP-00846	2
TP-00847	1
TP-00848	3
TP-00849	9
TP-00850	6
TP-00851	2
TP-00852	11

TOTAL 59

JOB CM-7415
BALTIMORE HARBOR
MARYLAND
SHORELINE MAPPING
SCALE 1:5,000
& 1:10,000

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORTS

TP-00836 through TP-00852

Project CM-7415 covers the Patapsco River and Baltimore Harbor from the mouth of the river at Long. $76^{\circ} 25'$ westward to and including the Inner Harbor. The part of Back River within the limits of Maps TP-00851 and TP-00852 is not included in the project and was not mapped. Seventeen maps - four at 1:10,000 scale and thirteen at 1:5,000 scale - are included in the project.

Field work prior to compilation consisted of recovery and pre-marking of horizontal control required for bridging. This work was done in September 1974.

Color photography was flown in October 1974. The entire area is covered by 1:30,000 scale photography, which was used for bridging and compilation of the 1:10,000 scale maps. Supplemental photography used for compilation of the 1:5,000 scale maps was flown at 1:15,000 scale. Black and white ratio prints at map scale were prepared from the color transparencies for office use and field edit operations.

Bridging was done by analytic methods in the Rockville Office in April 1975. See Photogrammetric Plot Report, which is Page 7 of this Descriptive Report.

Compilation was done by the Coastal Mapping Section at the Atlantic Marine Center from July to November 1975, using the Wild B-8 stereoplotter. The location of the mean high water line and other details were determined by office interpretation of the photographs.

Field edit was done by a photogrammetric field unit from September to November 1975 and applied to the manuscripts at the Atlantic Marine Center from December 1975 to February 1976.

All original manuscripts are stabilene sheets. The 1:5,000 scale maps are on a two and one-half minute format and the 1:10,000 scale maps are on a five minute format. The original manuscripts were forwarded to the Rockville Office for preparation of registration copies.

Photogrammetric Plot Report
Baltimore Harbor, Maryland
CM-7415
April 1975

21. Area Covered

The area covered by this report pertains to the shoreline of Baltimore Harbor, Baltimore, Maryland. This area is covered by thirteen 1:5,000 scale sheets, TP-00836 thru TP-00847, TP-00851, and four 1:10,000 scale sheets TP-00848 thru TP-00850 and TP-00852.

22. Method

Five strips of 1:30,000 scale color photography were bridged by analytic aerotriangulation methods. Sketch number 1 shows the layout of the sheets, compilation photographs, strips of bridging photographs, and the location of field identified control. Ties were made between all bridging strips. The strips were controlled by field identified control paneled in 1974 with the inclusion of one office identified station as a terminal for strip two. Office identified control was floated as checks. Common points were located between the bridging photography and the compilation photography to control the compilation and to determine the ratio scale. Points were located on the bridging photography to determine the ratio scale of the photographs that pertain to the 1:10,000 scale TP sheets. Data for ruling projection were furnished to the Calcomp to be plotted in the Maryland State plane coordinate system. 1:5,000 scale ratios were ordered for the 1:5,000 scale sheets and 1:10,000 scale ratios of the bridging photographs were ordered for the 1:10,000 scale sheets.

23. Adequacy of Control

The control was adequate with the inclusion of office identified control. Geodesy could not furnish a position for Curb 2, 1971, in order to compute a sub point for that station. An office identified control station was used as a terminal for strip number two, in place of Curb 2, 1971.

24. Supplemental Data

USGS Quadrangles were used to provide vertical control for the adjustment.

25. Photography

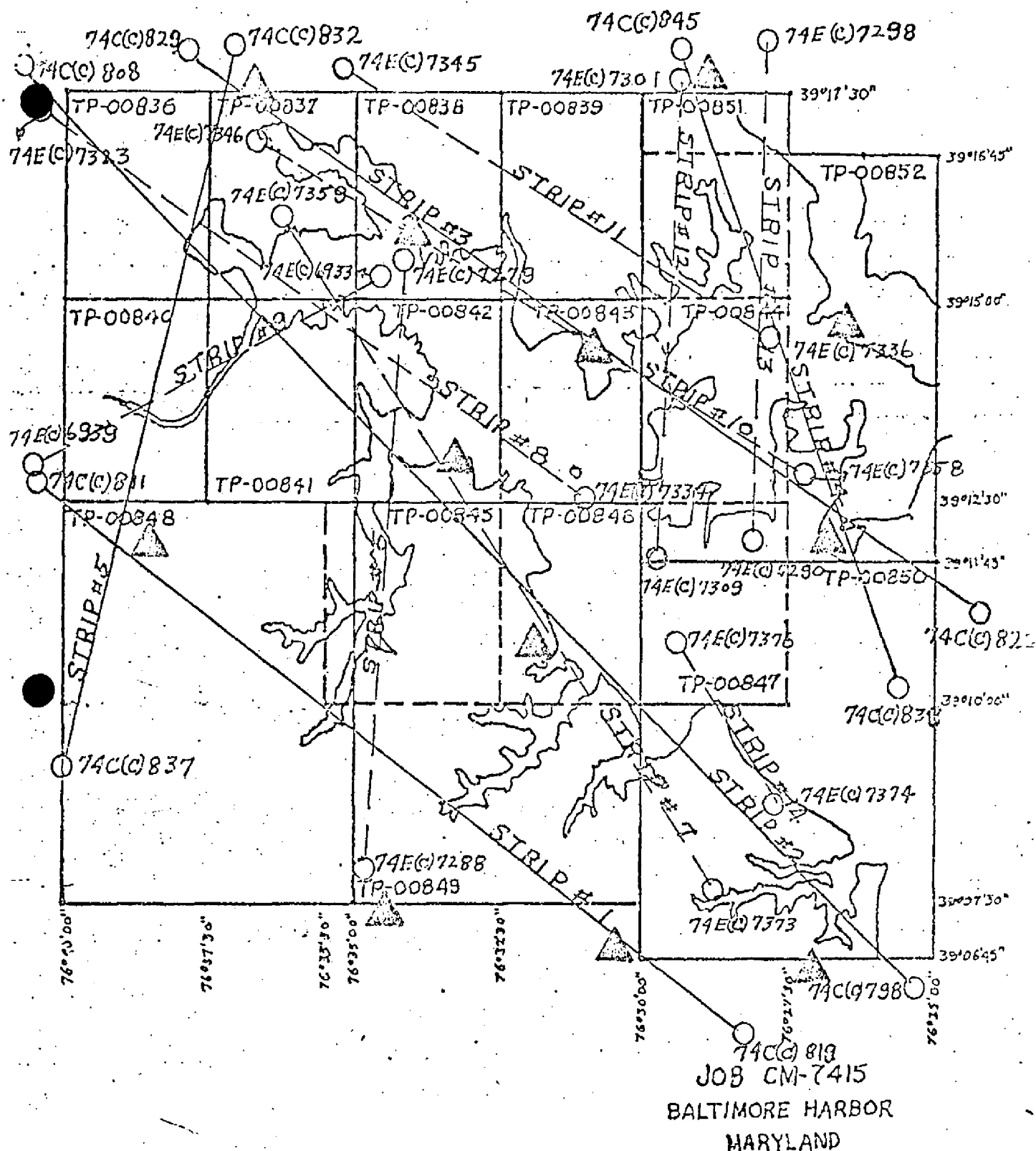
The photography was adequate as to coverage and overlap. Definition was poor due to haze at time of photography.

Approved and forwarded:

John D. Perrow, Jr.
John D. Perrow, Jr.
Chief, Aerotriangulation Section

Respectfully submitted,

Ivey O. Raborn
Ivey O. Raborn



DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.		JOB NO.		GEODETTIC DATUM		ORIGINATING ACTIVITY		REMARKS	
STATION NAME		SOURCE OF INFORMATION (Index)		AEROTRIANGULATION POINT NUMBER		COORDINATES IN FEET		GEOGRAPHIC POSITION	
TP-00841		AM-7415				NA 1927		Division, Norfolk, VA	
						STATE _____ ZONE _____		φ LATITUDE λ LONGITUDE	
FILL, 1934	G.P. Vol I P. 231			X=	φ 39 14 57.781			FORWARD	1781.9 (68.4)
				Y=	λ 76 36 50.330			BACK	1206.9 (231.8)
INCINERATOR PLANT, NORTHERLY OF TWO STACKS, 1934	G.P. Vol I P. 235			X=	φ 39 14 53.375				1646.0 (204.3)
				Y=	λ 76 37 00.444				10.6 (1428.1)
INCINERATOR PLANT, SOUTHERLY OF TWO STACKS, 1934	G.P. Vol I P. 235			X=	φ 39 14 52.770				1627.3 (223.0)
				Y=	λ 76 37 01.014				24.3 (1414.4)
BROOKLYN, CHURCH SPIRE, 1915	G.P. Vol I P. 323			X=	φ 39 14 14.647				451.7 (1398.6)
				Y=	λ 76 36 25.744				617.4 (821.6)
CURTIS BAY, TANK, 1957	G.P. Vol II P. 74			X=	φ 39 13 28.876				890.5 (959.8)
				Y=	λ 76 35 34.922				837.7 (601.6)
DRYDOCK, 1934	G.P. Vol I P. 231			X=	φ 39 14 57.972				1787.7 (62.6)
				Y=	λ 76 35 00.344				8.2 (1430.5)
BAITMORE, U.S. ALCOHOL COMPANY STACK, 1933	G.P. Vol I P. 66			X=	φ 39 13 09.236				284.8 (1565.5)
				Y=	λ 76 35 01.039				24.9 (1414.5)
				X=	φ				
				Y=	λ				
				X=	φ				
				Y=	λ				
				X=	φ				
				Y=	λ				
COMPUTED BY A. C. Rauck, Jr.		DATE 5/21/75	COMPUTATION CHECKED BY F. Mauldin - C. Bishop	DATE 5/27/75	DATE 5/27/75 - 3/17/77				
LISTED BY A. C. Rauck, Jr.		DATE 5/21/75	LISTING CHECKED BY F. Mauldin - C. Bishop	DATE 5/27/75	DATE 5/27/75 - 3/17/77				
HAND PLOTTING BY A. C. Rauck, Jr.		DATE 5/22/75	HAND PLOTTING CHECKED BY F. Mauldin - C. Bishop	DATE 5/28/75	DATE 5/28/75 - 3/18/77				

COMPILATION REPORT

TP-00841

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter. Photography was adequate (1:15,000 scale).

32. CONTROL:

See the attached Photogrammetric Plot Report dated April 1975.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are not applicable to the project. Drainage was delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

Alongshore details were delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

The mean high water line was delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS:

None compiled.

37. LANDMARKS AND AIDS:

Preliminary Forms 76-40 for Landmarks and/or Nonfloating Aids were prepared by the Compilation Office and forwarded to the Field Editor and/or Hydrographer for verification, location, or deletion in November 1975 and the final forms, after field edit, were forwarded to the Rockville, Maryland office on July 2, 1976.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

See the attached Form 76-36B, Item #5 of the Descriptive Report, concerning junctions.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with the following USGS Quadrangle: CURTIS BAY, MD., scale 1:24,000, dated 1969.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with the following National Ocean Survey chart: No. 12281, scale 1:15,000, 29th Edition, dated August 17, 1974.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by:

Joanne Roderick
Joanne Roderick
Cartographer
October 10, 1975

Approved:

Albert C. Rauck, Jr.
Albert C. Rauck, Jr.
Chief, Coastal Mapping Section

ADDENDUM TO THE COMPILATION REPORT

TP-00841

FIELD EDIT

Field Edit was well done and complete. No problems were encountered while applying it to the manuscript.

Submitted by:

Charles H. Bishop

Charles H. Bishop
Final Reviewer
March 16, 1977

February 28, 1977

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7415 (Baltimore, Md.)

TP-00841

Baltimore

Baltimore & Ohio (RR)

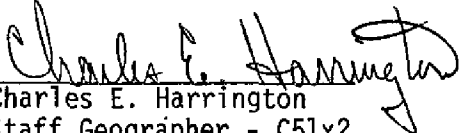
Cabin Branch

Curtis Bay

Patapsco River

Reed Bird Island

Approved by:


Charles E. Harrington
Staff Geographer - C51x2

FORM C&GS-1002
(9-66)U.S. DEPARTMENT OF COMMERCE
ESSA
COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

TP - 00841

1. PROJECTION AND GRIDS FPM		2. TITLE FPM		3. MANUSCRIPT NUMBERS FPM		4. MANUSCRIPT SIZE FPM	
CONTROL STATIONS							
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY FPM				6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) NA		7. PHOTO HYDRO STATIONS NA	
8. BENCH MARKS NA		9. PLOTTING OF SEXTANT FIXES XX		10. PHOTOGRAMMETRIC PLOT REPORT FPM		11. DETAIL POINTS FPM	
ALONGSHORE AREAS (Nautical Chart Data)							
12. SHORELINE FPM		13. LOW-WATER LINE XX		14. ROCKS, SHOALS, ETC. FPM		15. BRIDGES FPM	
16. AIDS TO NAVIGATION FPM		17. LANDMARKS FPM		18. OTHER ALONGSHORE PHYSICAL FEATURES FPM		19. OTHER ALONGSHORE CULTURAL FEATURES FPM	
PHYSICAL FEATURES							
20. WATER FEATURES FPM				21. NATURAL GROUND COVER NA		22. PLANETABLE CONTOURS NA	
23. STEREOSCOPIC INSTRUMENT CONTOURS NA		24. CONTOURS IN GENERAL NA		25. SPOT ELEVATIONS NA		26. OTHER PHYSICAL FEATURES FPM	
CULTURAL FEATURES							
27. ROADS FPM		28. BUILDINGS FPM		29. RAILROADS FPM		30. OTHER CULTURAL FEATURES FPM	
BOUNDARIES							
31. BOUNDARY LINES NA				32. PUBLIC LAND LINES NA			
MISCELLANEOUS							
33. GEOGRAPHIC NAMES FPM				34. JUNCTIONS JLB		35. LEGIBILITY OF THE MANUSCRIPT FPM	
36. DISCREPANCY OVERLAY XX		37. DESCRIPTIVE REPORT XX		38. FIELD INSPECTION PHOTOGRAPHS FPM		39. FORMS FPM	
40. REVIEWER: Frank Margiotta (Partial) 8/75 Jim Byrd Jim Byrd 10/75				SUPERVISOR, REVIEW SECTION OR UNIT Albert C. Rauck, Jr. Albert C. Rauck, Jr.			
41. REMARKS (See attached sheet)							
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT							
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.							
COMPILED: David Butler 1/20/76 4. L. Shands 2/05/76				SUPERVISOR: Albert C. Rauck, Jr. Albert C. Rauck, Jr.			
43. REMARKS See Form 76-36C, History of Field Operations - Field Edit, Item #8.							



FIELD EDIT REPORT

TP-00841

Baltimore Harbor, Md.

51. METHODS

An inspection of all shoreline and alongshore features was made, and all deletions, additions, and corrections are either shown or referred to on the field edit ozalid. All field edit notes are in purple ink for additions and corrections and in green ink for deletions.

Searches by boat for reported features below mean high water were made; because of the limited visibility into the water and lack of wire drag equipment or personnel in quantity to operate such equipment, any negative findings noted in the field edit data should not be considered conclusive, unless otherwise noted. The latest hydrographic survey of the area should be consulted for more complete information.

Most of the field edit inspection was accomplished by boat. Features were located by either sextant fixes or photo identification.

52. ADEQUACY OF COMPILATION

Compilation was generally adequate. There were several changes in the shoreline; these are indicated on the photos. These areas were found to be somewhat in error in regard to the MHWL. Due to the stage of the tide at the time of photography in these particular areas, the shoreline was changed by field edit to reflect the correct MHWL. The remaining areas on this sheet that were not changed were found to be properly delineated due to the steeper shoreline in these areas. Refer to the photographs. There was an area delineated as an island in the vicinity of approximate lat. $39^{\circ} 15' 05''$, long. $76^{\circ} 35' 25''$ which should be checked against hydrography to confirm the island. The island was covered at the time of field edit of this sheet, however was not covered at the time of edit of sheet TP-00837 on which the island is delineated. Reference therefore should be made to the boatsheet and sheet TP-00837.

An area near the mouth of the Patapsco River indicated as shallow was not delineated further by field edit. The area was approximately correct as shown by photos, however it is recommended that reference to the boatsheet be made. All questions are answered and appear on the field edit ozalid as do other notes.



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SURVEY

Compilation will be complete with the application of field edit data.

56. GEOGRAPHIC NAMES

No discrepancies were found while editing this sheet.

57. LANDMARKS AND AIDS TO NAVIGATION

There are five landmarks on this sheet recommended for charting and ~~two~~ recommended for deletion.

There are no non-floating aids to navigation on this sheet.

58. Field edit was performed by Lt. George Jamerson and Mr. Howard Hart in October and November, 1975.

Respectfully submitted,

George W. Jamerson

George W. Jamerson
Lt. NOAA
November, 1975

[illegible]

REVIEW REPORT
TP-00841

SHORELINE

March 17, 1977

61. GENERAL STATEMENT:

See Summary which is Page 6 of this Descriptive Report.

A comparison print showing differences noted in Par. 65 is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with a copy of Survey T-5346, 1:10,000 scale, mapped from photography of April and May 1934. There has been much buildup of shoreline since 1934 - there are large differences between the two maps.

In the area compared, TP-00841 supersedes T-5346 for nautical chart construction purposes. T-5346 is the latest registered prior survey of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A visual comparison was made with USGS Quadrangle CURTIS BAY, MD., 1:24,000 scale, dated 1969. No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with the Sounding Overlay for Survey H-9566 (HSP 5-6-75). No significant differences were noted.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 12281 (545), 1:15,000 scale, 31st Edition, dated November 13, 1976. Dolphins charted on the south side of Cabin Branch at Long. $76^{\circ} 35' 00''$ are not visible on the photographs and were not observed by the field editor. Two landmark tanks charted in the Cabin Branch area no longer exist. Wrecks and rocks charted in the Patapsco River north of Lat. $39^{\circ} 14' 30''$ are shown on the comparison print in red with explanatory notes.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with Project Instructions and meets requirements for Bureau Standards and National Standards of Map Accuracy.

Submitted:

Charles H. Bishop

Charles H. Bishop
Cartographer
March 17, 1977

Approved for forwarding:

Joseph W. Vonasek
Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:
D.K. Henson
Chief, Photogrammetric Branch

James H. ...
Chief, Coastal Mapping Division

36°45"

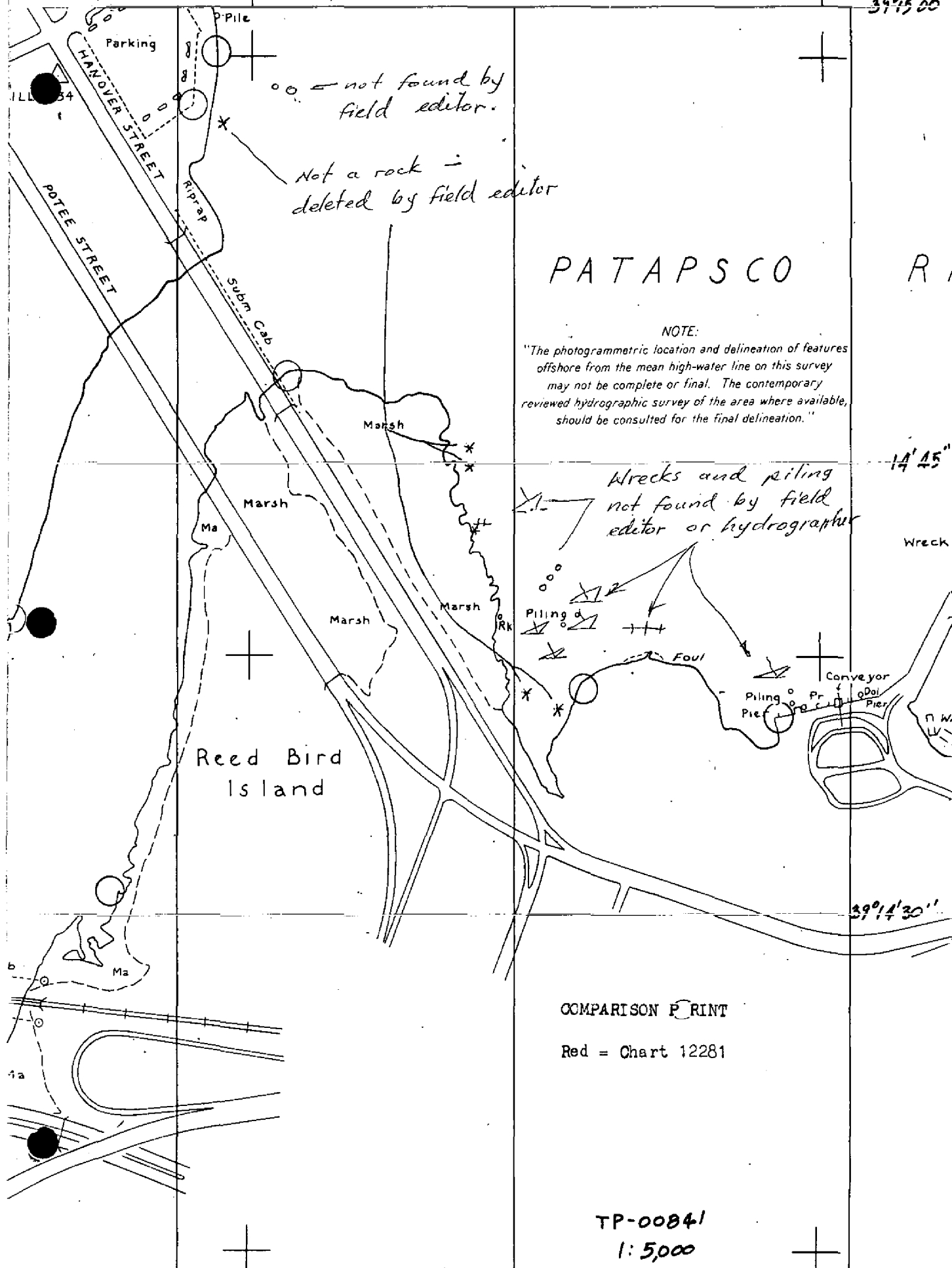
X=910,000 FT

76°36'30"

X=912,000 FT

36°15'45"

39°15'00"

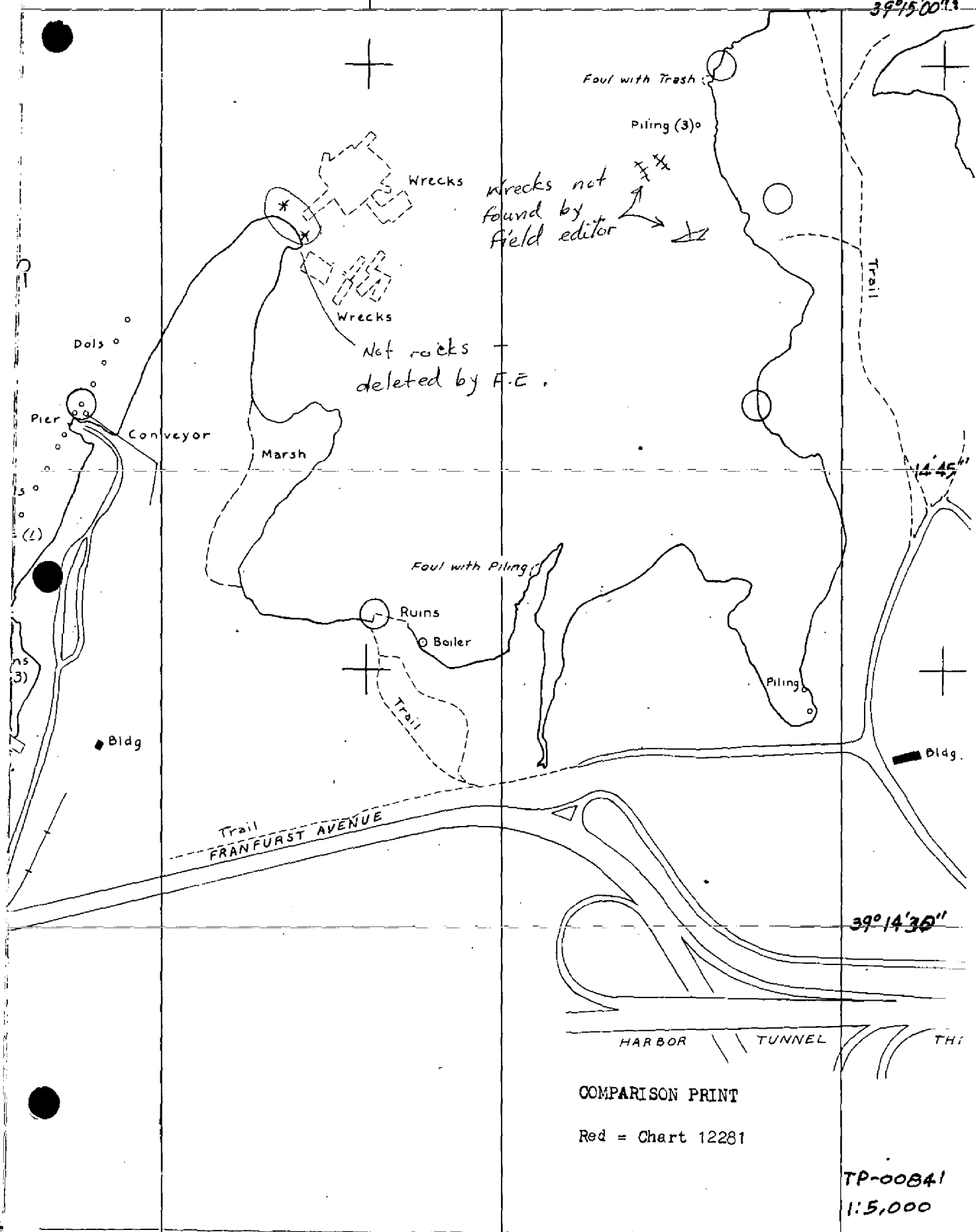


36'00" x 914,000 FT

76°35'45"

35'30"

39°15'00"



COMPARISON PRINT

Red = Chart 12281

TP-00841
1:5,000

