

TP-00842

ORIGINAL

TP-00842

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-00842
Classification No. Edition No. 1

Field Edited Map

LOCALITY

State Maryland
General Locality Baltimore Harbor
Locality Curtis Bay

1974 TO 1975

REGISTRY IN ARCHIVES

DATE

TYPE OF SURVEY

☒ ORIGINAL☐ RESURVEY☐ REVISED

SURVEY TP. 00842

MAP EDITION NO. (1)

MAP CLASS Final

JOB ~~NA~~ CM-7415

DESCRIPTIVE REPORT - DATA RECORD

PHOTOGRAMMETRIC OFFICE

Coastal Mapping Division
Atlantic Marine Center, Norfolk, VA

OFFICER-IN-CHARGE

Jeffrey G. Carlen, Cdr.

LAST PRECEDING MAP EDITION

TYPE OF SURVEY

☐ ORIGINAL☐ RESURVEY☐ REVISED

JOB PH. _____

MAP CLASS _____

SURVEY DATES:

19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE

Aerotriangulation
Compilation2/07/75
3/12/75

2. FIELD

August 16, 1974

II. DATUMS

1. HORIZONTAL:

☒ 1927 NORTH AMERICAN

OTHER (Specify)

2. VERTICAL:

☒ MEAN HIGH-WATER
☒ MEAN LOW-WATER
☐ MEAN LOWER LOW-WATER
☐ MEAN SEA LEVEL

OTHER (Specify)

3. MAP PROJECTION

Polyconic

4. GRID(S)

STATE

Maryland

ZONE

5. SCALE

1:5,000

STATE

ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic	BY	I. Rayborn	4/75
LANDMARKS AND AIDS BY			
2. CONTROL AND BRIDGE POINTS METHOD: Calcomp	PLOTTED BY	R. Robertson	4/75
	CHECKED BY	R. Robertson	4/75
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	C. Blood	10/23/75
	CHECKED BY	L. O. Neterer, Jr.	10/23/75
INSTRUMENT: Wild B-8	CONTOURS BY	NA	
SCALE: 1:7,500	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	C. Blood, I. Perkinson	11/75
	CHECKED BY	J. Byrd	11/75
METHOD: Smooth Drafted	CONTOURS BY	NA	
	CHECKED BY	NA	
SCALE: 1:5,000	HYDRO SUPPORT DATA BY	NA	
	CHECKED BY	NA	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	J. Byrd	11/75
6. APPLICATION OF FIELD EDIT DATA	BY	I. Perkinson	3/76
	CHECKED BY	L. O. Neterer, Jr.	3/76
7. COMPILATION SECTION REVIEW	BY	L. O. Neterer, Jr.	3/76
8. FINAL REVIEW	BY	C. H. Bishop	4/76
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	C. H. Bishop	5/77
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	J. B. Phillips	6/77
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	R. T. Cator	7/77

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00842
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 ☒ PREDICTED TIDES Fort McHenry ☐ REFERENCE STATION RECORDS ☐ TIDE CONTROLLED PHOTOGRAPHY		X (C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Eastern MERIDIAN 75th ☒ STANDARD ☐ DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
74E(C)7329-7331*	10/21/74	11:13	1:15,000	0.9 ft. above MLW	
74E(C)7361-7365*	10/21/74	11:48	1:15,000	0.8 ft. above MLW	
74E(C)7279-7282*	10/21/74	10:46	1:15,000	0.9 ft. above MLW	
74C(C)804**	10/05/74	10:37	1:30,000	0.9 ft. above MLW	

REMARKS

*Compilation photography
 **Bridge photography

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water^{line} was compiled from office interpretation of the above listed photographs.

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 TP-00838	EAST TP-00843	SOUTH TP-00845 TP-00849 (1:10,000)	WEST TP-00841
REMARKS			

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

TP-00842

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. S. Tibbetts	9/74
2. HORIZONTAL CONTROL	RECOVERED BY R. S. Tibbetts	9/74
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY R. S. Tibbetts	9/74
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 None	
	LOCATED (Field Methods) BY None	
	IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION	
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	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
74E(C)6799	QUARANTINE, 1915		NA

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: ☐ 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)

1 Form 152 (CSI)

TP-00841

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	George W. Jamerson	Sept-Nov. 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.	Nov. 1975
	LOCATED (Field Methods) BY NA	
	Verified XXXXXXXXXX BY G. W. J.	Nov. 1975
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY G. W. J.	Nov. 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) 7281, 7282, 7330, 7364

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)

4 Form 76-40
2 Field Edit Ozalids (1 paper, 1 film)
1 Field Edit Report

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete, pending Field Edit	11/75	Class III manuscript Superseded	11/24/75	11/21/75
Field Edit applied. Compilation complete.	3/29/76	Class I manuscript Superseded	6/07/76	
Final Review	4/15/77		5/26/77	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
2		7/02/76	Landmarks for charts.
1		7/02/76	Landmarks for deletion.
2		7/02/76	Aids for charts.

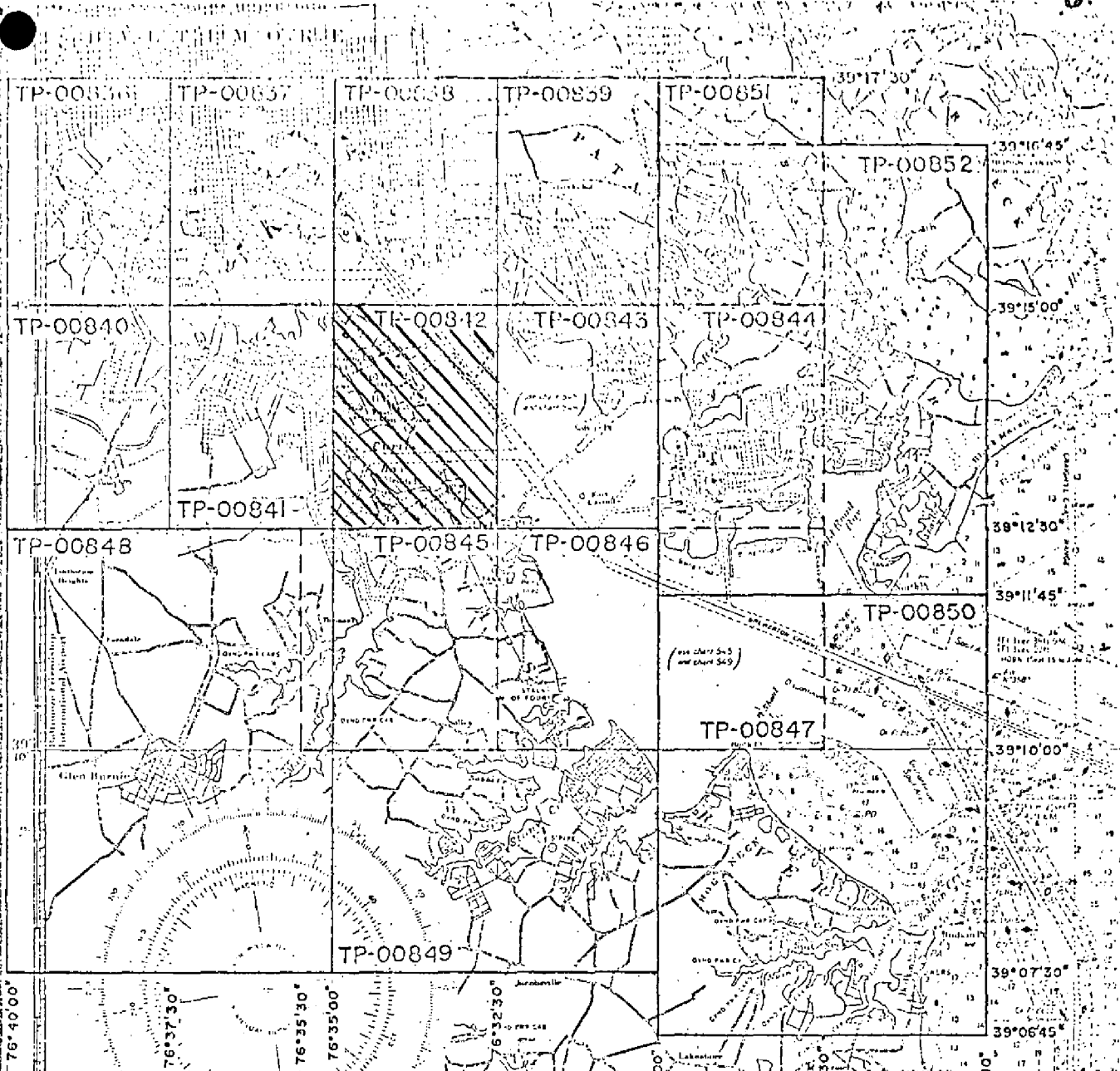
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: July 2, 1976 6/2/77
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM 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 ☐ REVISED ☐ RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL	



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.

7

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

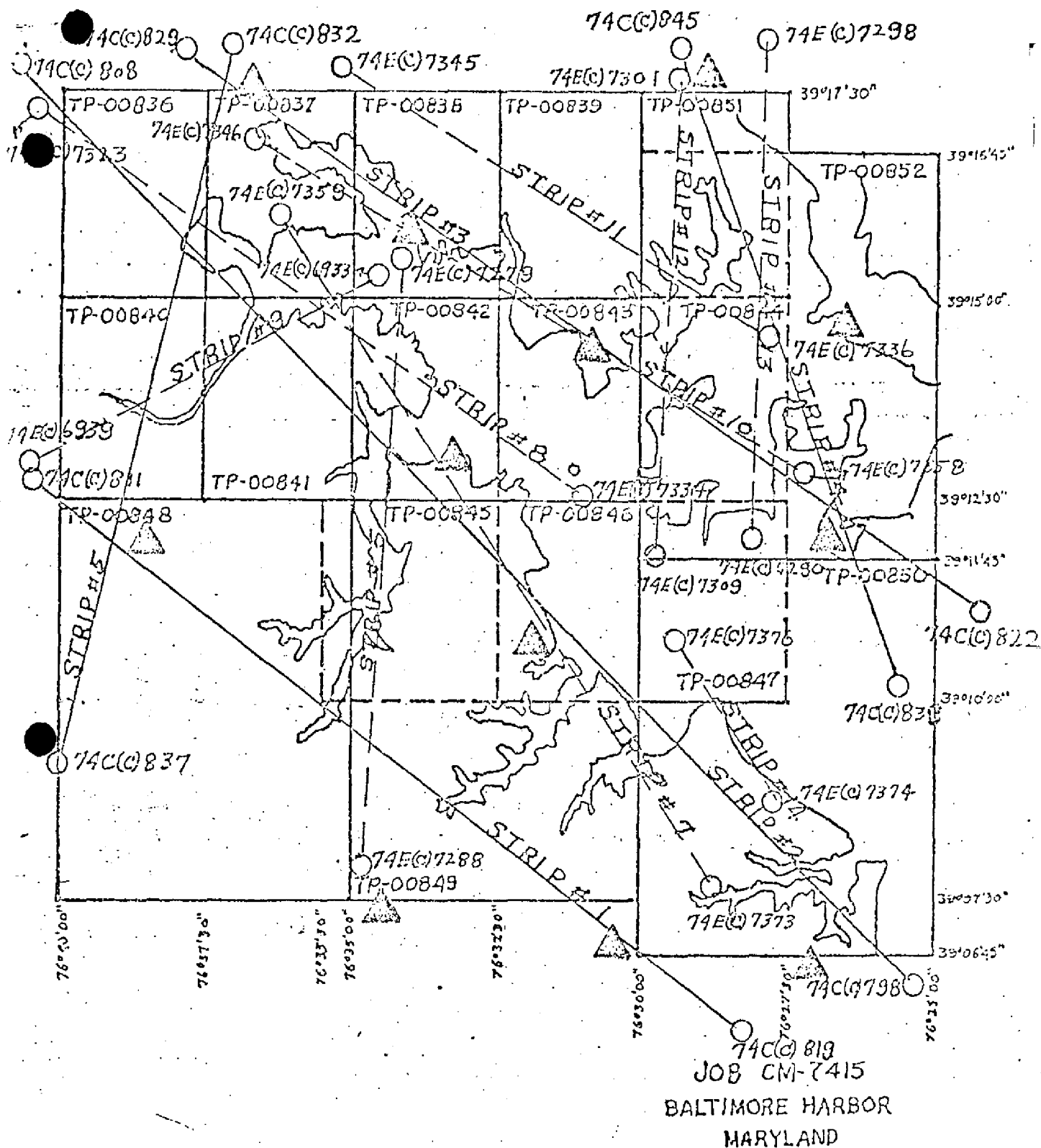
The photography was adequate as to coverage and overlap. Definition was poor due to haze at time of photography.

Approved and forwarded:

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

Respectfully submitted,

Ivey O. Raborn
Ivey O. Raborn



BRIDGING PHOTOGRAPHY
 COMPILATION PHOTOGRAPHY

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	CM-7415	GEODETTIC DATUM		COORDINATES IN FEET STATE _____ ZONE _____	GEOGRAPHIC POSITION		ORIGINATING ACTIVITY	REMARKS	
				NA	1927		ϕ LATITUDE	λ LONGITUDE		Division, AMC, Norfolk, VA	FORWARD
TP-00842	QUARANTINE, 1915	G.P. Vol I P. 205			X=	ϕ 39 13	02.075			64.0	(1786.3)
					Y=	λ 76 33	04.337			104.0	(1335.4)
	MARYLAND DRYDOCK COMPANY, TALL TANK, 1934	G.P. Vol I P. 235			X=	ϕ 39 14	37.724			1163.3	(687.0)
					Y=	λ 76 34	56.461			1354.0	(84.9)
	CITY, 1915	G.P. Vol I P. 231			X=	ϕ 39 14	48.741			1503.1	(347.2)
					Y=	λ 76 34	33.226			796.8	(642.0)
	PRUDENTIAL OIL COMPANY, STACK, 1915	G.P. Vol I P. 324			X=	ϕ 39 14	10.70			329.8	(1520.5)
					Y=	λ 76 34	23.97			574.8	(864.2)
	SHELL OIL COMPANY, TANK, 1930	G.P. Vol I P. 233			X=	ϕ 39 14	11.975			369.3	(1481.0)
					Y=	λ 76 33	51.655			1238.8	(200.2)
	PAN AMERICAN REFINING COM- PANY, STACK, 1934	G.P. Vol I P. 233			X=	ϕ 39 13	36.388			1121.5	(728.8)
					Y=	λ 76 33	51.282			1230.1	(209.1)
	CURTIS BAY, FAIRFIELD CHEMICAL COMPANY, WATER TANK, 1958	G.P. Vol II P. 305			X=	ϕ 39 13	58.959			1818.2	(32.1)
					Y=	λ 76 34	42.620			1022.2	(416.9)
	LIVINGSTON, STACK, 1915	G.P. Vol I P. 324			X=	ϕ 39 13	41.50			1279.7	(570.6)
					Y=	λ 76 34	43.08			1033.4	(405.8)
	STONE, 1915	G.P. Vol I P. 321			X=	ϕ 39 13	32.157			991.7	(858.6)
					Y=	λ 76 34	36.723			880.9	(558.3)
	SUGAR (U.S.E.), 1916	G.P. Vol I P. 513			X=	ϕ 39 13	15.303			471.9	(1378.4)
					Y=	λ 76 34	36.362			872.3	(567.0)
COMPUTED BY A. C. Rauck, Jr.				DATE 5/20/75	COMPUTATION CHECKED BY F. Mauldin				DATE 5/27/75		
LISTED BY A. C. Rauck, Jr.				DATE 5/20/75	LISTING CHECKED BY F. Mauldin				DATE 5/27/75		
HAND PLOTTING BY				DATE	HAND PLOTTING CHECKED BY				DATE		

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	CM-7415	GEODETIC DATUM		AEROTRI- ANGULATION POINT NUMBER	SOURCE OF INFORMATION (Index)	COORDINATES IN FEET		GEOGRAPHIC POSITION		ORIGINATING ACTIVITY		REMARKS	
				STATE	ZONE			NA	1927	φ	λ	Division, AMC, Norfolk, VA	Division, AMC, Norfolk, VA	FORWARD	BACK
TP-00842	SLEDDES (U.S.E.), 1915	G.P. Vol I P. 320						X=		φ	39 13 06.281			193.7	(1656.6)
								Y=		λ	76 34 23.226			557.2	(882.2)
	YACHT CLUB (HB), 1915	G.P. Vol I P. 325						X=		φ	39 13 06.993			215.7	(1634.6)
								Y=		λ	76 34 22.656			543.5	(895.9)
	CHEMICAL (U.S.E.), 1916	G.P. Vol I P. 513						X=		φ	39 12 53.448			1648.2	(202.1)
								Y=		λ	76 34 06.192			148.6	(1290.8)
	DAVIDSON (U.S.E.), 1916	G.P. Vol I P. 513						X=		φ	39 12 38.278			1180.4	(669.9)
								Y=		λ	76 34 18.196			436.6	(1002.9)
	CURTIS, 1915	G.P. Vol I P. 321						X=		φ	39 12 36.129			1114.1	(736.2)
								Y=		λ	76 34 57.625			1382.5	(57.0)
	BREWERTON CHANNEL REAR RANGE LIGHT, 1934	G.P. Vol I P. 316						X=		φ	39 12 48.827			1505.7	(344.6)
								Y=		λ	76 33 07.453			178.8	(1260.7)
								X=		φ					
								Y=		λ					
								X=		φ					
								Y=		λ					
								X=		φ					
								Y=		λ					
								X=		φ					
								Y=		λ					
								X=		φ					
								Y=		λ					
COMPUTED BY	A. C. Rauck, Jr.				DATE	5/20/75		COMPUTATION CHECKED BY						DATE	5/27/75
LISTED BY					DATE			LISTING CHECKED BY						DATE	
HAND PLOTTING BY					DATE			HAND PLOTTING CHECKED BY						DATE	

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

COMPILATION REPORT

TP-00842

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter. Photographs were adequate.

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 the photographs.

36. OFFSHORE DETAILS:

Wrecks. The mean high water was taken care of by Wild B-8.

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 Charts:

No. 12273, scale 1:80,000, 26th Edition, dated Feb. 8, 1975
No. 12279, scale 1:40,000, 12th Edition, dated Nov. 9, 1974
No. 12281, scale 1:15,000, 29th Edition, dated Aug. 17, 1974

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

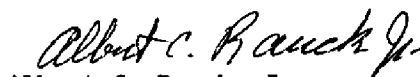
None.

Submitted by:



Irene Perkinson
Cartographic Technician

Approved:



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

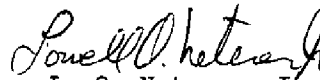
ADDENDUM TO THE COMPILATION REPORT

TP-00842

FIELD EDIT

The overall field edit was excellent. The only exception was the heights of some landmarks were not obtained. No explanation was given.

Submitted by:



L. O. Neterer, Jr.

Cartographer

March 29, 1976

February 28, 1977

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7415 (Baltimore, Md.)

TP-00842

Baltimore & Ohio (RR)

Cabin Branch

Curtis Bay

Curtis Creek

East Brooklyn

Fairfield

Ferry Point

Fishing Point

Leading Point

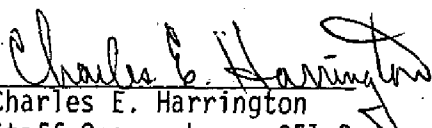
Patapsco River

Sleds Point

Stonehouse Cove

Thoms Cove

Approved by:


Charles E. Harrington
Staff Geographer - C51x2

NOAA FORM 75-74
(2-74)TP-00842
PHOTOGRAMMETRIC OFFICE REVIEW
11/10/75U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL OCEAN SURVEY

1. PROJECTION AND GRIDS JB	2. TITLE JB	3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE JB
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY	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 NA	10. PHOTOGRAMMETRIC PLOT REPORT JB	11. DETAIL POINTS JB
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE JB	13. LOW-WATER LINE JB	14. ROCKS, SHOALS, ETC. JB	15. BRIDGES JB
16. AIDS TO NAVIGATION	17. LANDMARKS	18. OTHER ALONGSHORE PHYSICAL FEATURES JB	19. OTHER ALONGSHORE CULTURAL FEATURES JB
PHYSICAL FEATURES			
20. WATER FEATURES JB	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 JB
CULTURAL FEATURES			
27. ROADS JB	28. BUILDINGS JB	29. RAILROADS JB	30. OTHER CULTURAL FEATURES JB
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES JB	34. JUNCTIONS JB		35. LEGIBILITY OF THE MANUSCRIPT JB
36. DISCREPANCY OVERLAY JB	37. DESCRIPTIVE REPORT JB	38. FIELD INSPECTION PHOTOGRAPHS NA	39. FORMS JB
40. REVIEWER J. Byrd 11/21/75		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.			
COMPILER Irene Perkinson 3/15/76	SUPERVISOR Albert C. Rauck, Jr.		
Reviewer L. O. Neterer, Jr. 3/29/76	Albert C. Rauck, Jr.		
43. REMARKS See Forms 76-36C "History of Field Operations", Field Inspection and Field Edit", Items #8.			



FIELD EDIT REPORT

TP-00842

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 stated. 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 adequate. There was one area of great change encountered at Wagner's Point. The area is being filled, however the bulkhead is complete and delineates the shoreline as it will appear upon project completion. The change is delineated completely on the manuscript. Great difficulty was encountered in searches for wrecks questioned on the field edit ozalid; compilation will be complete with the application of these notes.

56. GEOGRAPHIC NAMES

No discrepancies were found while editing this sheet.

57. LANDMARKS AND AIDS TO NAVIGATION

There are twelve landmarks on this sheet recommended for charting. See forms 76-40.

There are fourteen non-floating aids to navigation on this sheet recommended for charting. See forms 76-40.



16
U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SURVEY

58. FIELD EDITOR

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

Respectfully submitted,

George W. Jamerson

George W. Jamerson
Lt. NOAA
November 26, 1975

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
COAST AND GEODETIC SURVEY LANDMARKS FOR CHARTS

REPORTING UNIT (Field Party, Ship or Office)				LOCALITY		DATE		ORIGINATING ACTIVITY			
TO BE CHARTED ☒				Baltimore Harbor		Mar. 1976		☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ PHOTO FIELD PARTY ☒ COMPILATION ACTIVITY ☐ FINAL REVIEWER ☐ QUALITY CONTROL & REVIEW GRP. ☐ COAST PILOT BRANCH (See reverse for responsible personnel)			
TO BE REVISED ☐				Maryland							
TO BE DELETED ☐				Coastal Mapping Div. A.M.C. Norfolk, Va.							
The following objects HAVE ☒ HAVE NOT ☐ been inspected from seaward to determine their value as landmarks.				STATE							
OPR PROJECT NO.				JOB NUMBER		SURVEY NUMBER					
514				CM 7415		TP-00842					
DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)				LATITUDE		LONGITUDE		METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED	
				° /		° /		OFFICE		FIELD	
				D.M. Meters		D.P. Meters					
TANK	Baltimore, U.S. Industrial Alcohol Company, Tank	Ht.=142(162)	✓	39 13	08.04	76 34	59.5	74E(C)7281	F-V-Vis.	12273	✓
STACK	Ht. not obtained.	✓	✓	39 12	50.6	76 34	20.8	Oct. 21, 1974	Nov. 1975	12279	✓
STACK	Stack with spiral ladder.	Ht.=280(285)	✓	39 13	1560	76 33	1498	"	"	12284	✓
TANK	(Maryland Drydock Company, Tall Tank, 1934)	Ht.=145(150)	✓	39 14	39.01	76 33	52.45	"	P-5-L 74E(C)7281	"	✓
STACK	(Prudential Oil Company Stack, 1915)	Ht. not obtained.	✓	39 14	1203	76 34	1258	74E(C)7279	Triang. Rec.	"	✓
TANK	(Shell Oil Company, Tank, 1930)	Ht.=100(105)	✓	39 14	37.72	76 34	56.161	Oct. 21, 1974	Nov. 1975	"	✓
TANK	(Curtis Bay, Fairfield Chemical Company, Water Tank, 1958)	Ht.=148(160)	✓	39 13	1163.3	76 34	1354.0	"	"	"	✓
STACK	Ht.=135(140)	✓	✓	39 13	10.70	76 34	23.97	74E(C)7280	"	"	✓
TANK	Ht.=76(80)	✓	✓	39 13	329.8	76 33	574.8	Oct. 21, 1974	"	"	✓
STACK	(Pan American Refining Company, Stack, 1934)	Ht.=140(145)	✓	39 13	11.975	76 33	51.655	"	"	"	✓
STACK	Ht.=135(140)	✓	✓	39 13	369.3	76 33	1238.8	"	"	"	✓
TANK	Ht.=135(140)	✓	✓	39 13	58.959	76 34	42.620	"	"	"	✓
STACK	Ht.=76(80)	✓	✓	39 13	1818.2	76 33	1022.2	"	"	"	✓
STACK	Ht.=135(140)	✓	✓	39 13	41.6	76 33	59.4	"	"	"	✓
TANK	Ht.=76(80)	✓	✓	39 13	1282	76 33	1425	"	"	"	✓
STACK	Ht.=135(140)	✓	✓	39 13	40.9	76 33	59.8	"	"	"	✓
STACK	Ht.=76(80)	✓	✓	39 13	1260	76 33	1434	"	"	"	✓
STACK	Ht.=135(140)	✓	✓	39 13	36.388	76 33	51.282	"	"	"	✓
STACK	Ht.=135(140)	✓	✓	39 13	1121.5	76 33	1230.1	"	"	"	✓

- F T M

Replaces C&GS Form 567.

**U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
K&S FOR CHARTS**

[illegible]

WTF

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

☐ TO BE CHARTED
☐ TO BE REVISED
☒ TO BE DELETED

REPORTING UNIT
(If field party, ship or office)
Coastal Mapping Div.
A. M. C. Norfolk, Va.

STATE
Maryland

LOCALITY
Baltimore Harbor

DATE
Nov. 1975

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
☐ HYDROGRAPHIC PARTY
☐ GEODETIC PARTY
☐ PHOTO FIELD PARTY
☒ COMPILATION ACTIVITY
☐ FINAL REVIEWER
☐ QUALITY CONTROL & REVIEW GRP.
☐ COAST PILOT BRANCH
(See reverse for responsible personnel)

The following objects HAVE ☒ NOT ☐ been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO. 514

JOB NUMBER
CM-7415

SURVEY NUMBER
TP-00842

DATUM
N.A. 1927

METHOD AND DATE OF LOCATION
(See instructions on reverse side)

CHARTS
AFFECTED

CHARTING
NAME

DESCRIPTION
(Record reason for deletion of landmark or aid to navigation.
Show triangulation station names, where applicable, in parentheses)

LATITUDE
° /

LONGITUDE
° /

POSITION
D.M. Meters

OFFICE

FIELD

CHARTS
AFFECTED

STACK ✓

Stack razed. ✓

39 13.7

76 34.1

✓

F-V-Vis.
Nov. 1975

12273
12279 ✓
12281

TANK ✓

Tank not found. ✓

39 13.4

76 34.9

✓

✓

"
"
"

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

NONFLOATING AIDS FOR CHARTS

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

ORIGINATING ACTIVITY

- ☐ HYDROGRAPHIC PARTY
- ☐ GEODETIC PARTY
- ☐ PHOTO FIELD PARTY
- ☐ COMPILATION ACTIVITY
- ☐ FINAL REVIEWER
- ☐ QUALITY CONTROL & REVIEW GRP.
- ☐ COAST PILOT BRANCH

(See reverse for responsible personnel)

REPORTING UNIT
(If field party, ship or office)
Coastal Mapping Div.
A.M.C. Norfolk, Va.

STATE
Maryland

LOCALITY
Baltimore Harbor

DATE
Mar. 1976

The following objects HAVE ☒ HAVE NOT ☐ been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO. 514

JOB NUMBER CM-7415

SURVEY NUMBER TP-00842

DATUM

N.A. 1927

POSITION

CHARTING NAME

DESCRIPTION
(Record reason for deletion of landmark or aid to navigation.
Show triangulation station names, where applicable, in parentheses)

LATITUDE

LONGITUDE

METHOD AND DATE OF LOCATION
(See instructions on reverse side)

CHARTS
AFFECTED

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	LATITUDE		LONGITUDE		METHOD AND DATE OF LOCATION (See instructions on reverse side)	CHARTS AFFECTED
		D.M. Meters	D.P. Meters	D.M. Meters	D.P. Meters		
LIGHT	Continental Oil Pier Light	39 14	26.75	76 33	45.74	74E(C)7330 Oct. 21, 1974	12273 12279 12281
LIGHT	Continental Channel Range Front Light	39 14	23.19	76 33	54.25	74E(C)7330 Oct. 21, 1974	" " "
LIGHT	Continental Channel Range Rear Light	39 14	18.00	76 34	03.96	" " "	" " "
LIGHT	Shell Eastern Petroleum Range Front Light	39 14	18.58	76 33	41.16	P-3-8-L 74E(C)7330 Nov. 1975	" " "
LIGHT	Shell Eastern Petroleum Range Rear Light	39 14	15.34	76 33	47.58	P-5-L 74E(C)7330 Nov. 1975	" " "
LIGHT	Curtis Bay B. and O. Coal Pier Dolphin North Light	39 13	23.4	76 34	37.4	74E(C)7281 Oct. 21, 1974	" " "
LIGHT	Curtis Bay B. and O. Coal Pier Dolphin South Light	39 13	22.3	76 34	37.4	" " "	" " "
LIGHT	Stonehouse Cove Ore Pier Obstruction Light A	39 13	30.32	76 34	49.90	" " "	" " "
LIGHT	Stonehouse Cove Ore Pier Obstruction Light B	39 13	30.74	76 34	49.15	P-5-L Nov. 1975	" " "
LIGHT	Curtis Bay Channel Range Front Light	39 13	15.73	76 34	36.10	" " "	" " "

REVIEW REPORT

TP-00842

SHORELINE

April 15, 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 visual comparison was made with Surveys T-5342 and T-5346, both 1:10,000 scale and both mapped from photographs taken in April and May 1934. Many changes in cultural features were observed. Some piers no longer exist. There are significant changes in shoreline at Wagners Point and in the bight west of Leading Point.

In the area compared, TP-00842 supersedes T-5342 and T-5346 for nautical chart construction purposes. T-5342 and T-5346 are the latest prior registered surveys 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. There is significant change in shoreline at Wagners Point. No other significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparisons were made with the following boatsheets:

H-9563 (AHP 5-9-75) - A submerged wreck and a submerged rock located by the hydrographer in Thomas Cove are not visible on the photographs. A foul area in the cove approximately 600 meters west of Leading Point is not apparent on the photographs. All other discrepancies were resolved.

H-9564 (AHP 5-7-75) - No significant difference.

H-9581 (AHP 5-11-75) - A mooring dolphin on the boatsheet approximately 40 meters ENE of the Hess Oil Corporation pier is not visible on the photographs. All other discrepancies were resolved.

65. COMPARISON WITH NAUTICAL CHARTS:

A visual comparison was made with Chart 12281 (545), 1:15,000 scale, 31st Edition, dated November 13, 1976. Significant differences are shown on the comparison print in red.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Submitted:

Charles H. Bishop

Charles H. Bishop
Cartographer
April 15, 1977

Approved for forwarding:

Joseph W. Vonasek

Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

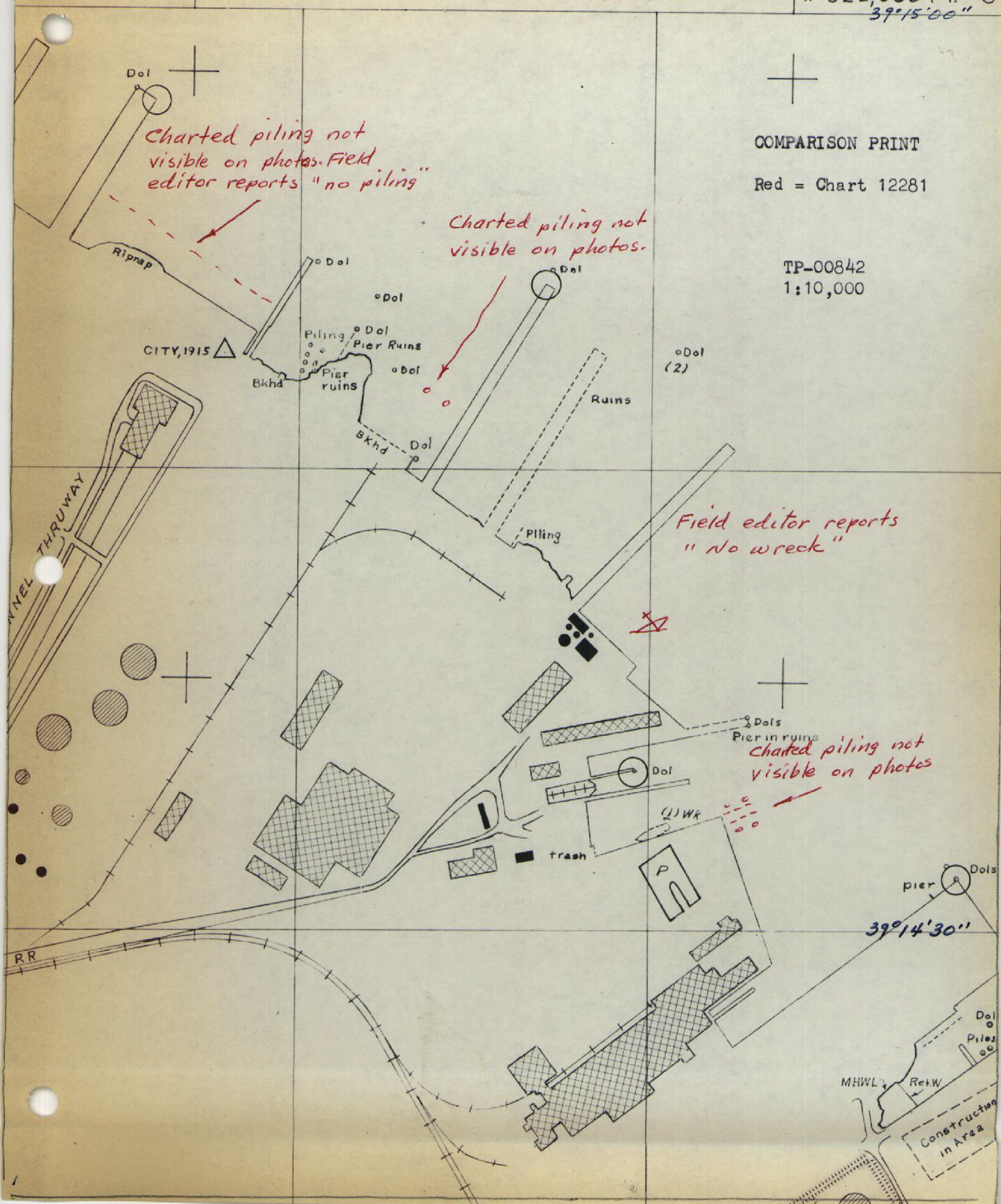
Approved:

D. K. Hayson
Chief, Photogrammetric Branch

James C. Allen
Chief, Coastal Mapping Division

[illegible]

$X = 922,000 \text{ FT.}$ 34
 $39^{\circ}15'00''$



76°34'00"

33'45"

27

SHELL OIL
COMPANY
TANK 1930
ht = 100' (105')

Field editor reports
"No piling"

parking

construction

39°14'00"

Area under

charted stack
razed?

ht = 135'
(140')

ht = 76 (80)

STACK
TANK

STACK
ht = 280' (285')

Tanks

dong

tank (1)
V tank (3)

Do I

Float net

COMPARISON PRINT

Red = Chart 12281

TP-00842
1:10,000

PAN AMERICAN REFINING
COMPANY, STACK, 1934
ht = 140' (145')

Charted tank not visible on photos, not found by F.E.

Charted stack razed.

y=506,000 FT.

13' 15"

BALTIMORE AND OHIO RAIL ROAD

CURTIS BAY B AND O COAL PIER DOLPHIN NORTH LIGHT
CURTIS BAY B AND O COAL PIER DOLPHIN SOUTH LIGHT

CURTIS BAY CHANNEL RANGE FRONT LIGHT
SUGAR (USE) 1916
Piles

CURTIS BAY CHANNEL RANGE REAR LIGHT

TANK ht=142' (162')

Charted sewer and subm. piles not visible on photos

Grain Pile
Sleds Pt
Amash MLW piling ruins
Pier
Subm

39° 13' 00"

y=504,000 FT.

COMPARISON PRINT

Red = Chart 12281

TP-00842
1:10,000

Ferry Pt

Cabin Branch

Charted dols not visible on photos. Field editor reports "None here"

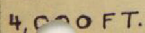
HESS OIL CORPORATION NORTH DOLPHIN LIGHT

HESS OIL CORPORATION SOUTH DOLPHIN LIGHT

76° 34' 30"

76°33'30"

29



33'30"

$$X = 926,000 \text{ FT.}$$

33'15"

39° 12' 30"

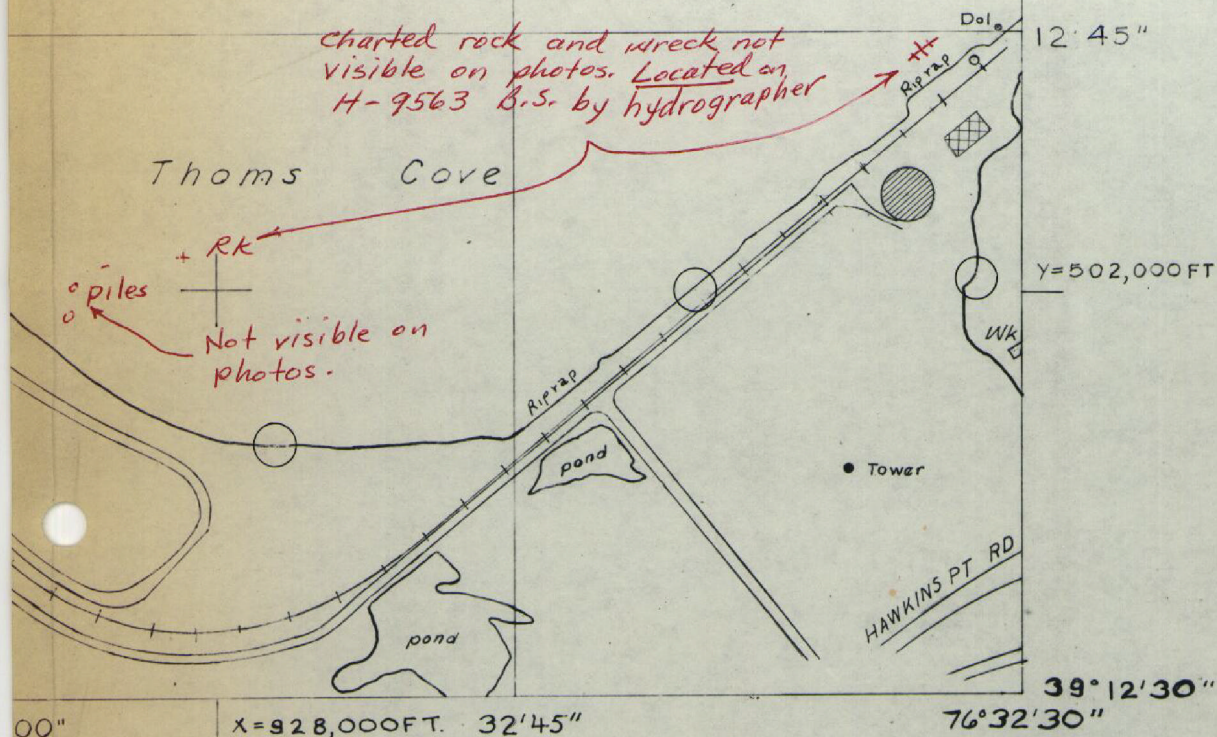
76°33'

Red = Chart 12281

TP-00842
1:10,000

- △ Recoverable horizontal control station of third-order or higher accuracy
○ Recoverable horizontal control station of less than third-order accuracy
The heavy shoreline defines the approximate mean high water.
Compiled by photogrammetric methods from aerial photographs.

COMPARISON PRINT
Red = Chart 12281



NATIONAL OCEAN SURVEY
SHORELINE MANUSCRIPT
TP-00842
MARYLAND
BALTIMORE HARBOR
CURTIS BAY

SCALE 1:5,000
(1 inch = 416.66 ft.)

CONTROL DATA

Polyconic projection: 1927 North American Datum
2,000 foot grid based on Maryland plane coordinate system
Datum plane: Mean High Water

TP-00842

