TP-00851 ORIGINAL

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-00851 ...

Classification No. *Edition No.* ... 1 .....

Field Edited Map

LOCALITY

State ..... Maryland

General Locality ..... Baltimore Harbor

Locality .... Bear Creek .....

.....

1974 TO 1975

REGISTRY IN ARCHIVES

DATE .....

☆ U.S. GOVERNMENT PRINTING OFFICE: 1974-762-901

TP-00851

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

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY
- [X] ORIGINAL
- [ ] RESURVEY
- [ ] REVISED

SURVEY TP- 00851
MAP EDITION NO. (1)
MAP CLASS Final
JOB ~~PHX~~ CM-7415

PHOTOGRAMMETRIC OFFICE
Coastal Mapping Division
Atlantic Marine Center, Norfolk, VA

OFFICER-IN-CHARGE
Jeffrey G. Carlen, Cdr.

LAST PRECEEDING MAP EDITION
TYPE OF SURVEY
- [ ] ORIGINAL
- [ ] RESURVEY
- [ ] REVISED

JOB PH-
MAP CLASS
SURVEY DATES: 19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE		2. FIELD
Aerotriangulation	2/07/75	August 16,1974
Compilation	3/12/75	

II. DATUMS

1. HORIZONTAL: [X] 1927 NORTH AMERICAN — OTHER (Specify)

2. VERTICAL: [X] MEAN HIGH-WATER [X] 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 INSTRUMENT: Wild B-8 SCALE: 1:7,500	PLANIMETRY BY	Charles Parker	9/75
	CHECKED BY	L. O. Neterer, Jr.	10/75
	CONTOURS BY	NA	
	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION METHOD: SCALE: 1:5,000	PLANIMETRY BY	Charles Parker	10/75
	CHECKED BY	L. O. Neterer, Jr.	11/75
	CONTOURS BY	NA	
	CHECKED BY	NA	
	HYDRO SUPPORT DATA BY	NA	
	CHECKED BY	NA	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	L. O. Neterer, Jr.	11/75
6. APPLICATION OF FIELD EDIT DATA	BY	J. Roderick	1/76
	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	3/77
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. Carter	7/77

NOAA FORM 76-36A SUPERSEDES FORM C&GS 181 SERIES

* U.S. G.P.O. 1972-769382/582 REG.#6

NOAA FORM 76-36B
(3-72)

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

TP-00851

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S): Wild RC-8 "E" and RC-10 "C"

TIDE STAGE REFERENCE: Baltimore, Fort McHenry
- [X] PREDICTED TIDES
- [ ] REFERENCE STATION RECORDS
- [ ] TIDE CONTROLLED PHOTOGRAPHY

TYPES OF PHOTOGRAPHY LEGEND
- X(C) COLOR
- (P) PANCHROMATIC
- (I) INFRARED

TIME REFERENCE
- ZONE: Eastern — [X] STANDARD
- MERIDIAN: 75th — [ ] DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
74E(C)7302 - 7305*	10/21/74	11:13	1:15,000	0.9 ft. above MLW
74E(C)7294 - 7297*	10/21/74	10:54	1:15,000	0.9 ft. above MLW
74E(C)7337 - 7338*	10/21/74	11:33	1:15,000	0.8 ft. above MLW
74C(C)842 - 843**	10/05/74	11:35	1:30,000	0.6 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 and field edit corrections as follows:

At Lat. 39° 15' 30", Long. 76° 29' 05", Bulkhead outlined on Photo 74E(C)7305

At Lat. 39° 15' 13", Long. 76° 29' 43", MHWL indicated on Photo 74E(C)7305

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
No Contemporary Survey	TP-00852 (1:10,000)	TP-00844 TP-00852 (1:10,000)	TP-00839

REMARKS

This map sheet lies within the northwest corner of TP-00852 (1:10,000)

NOAA FORM 76-36B
(3-72)

* U. S. GOVERNMENT PRINTING OFFICE: 1974-768-078

NOAA FORM 76-36C
(3-72)

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

TP-00851

HISTORY OF FIELD OPERATIONS

I. [X] FIELD INSPECTION OPERATION [ ] FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R. S. Tibbetts	9/74
2. HORIZONTAL CONTROL	RECOVERED BY	None	
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	None	
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 [X] 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

None

2. VERTICAL CONTROL IDENTIFIED

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: [ ] REPORT [X] NONE

6. BOUNDARY AND LIMITS: [ ] REPORT [X] NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

None

☆U. S. GOVERNMENT PRINTING OFFICE: 1973--768074/1057 REGION NO. 6

NOAA FORM 76-36C
(3-72)

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

TP-00851

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION ☒ FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		G. W. Jamerson	Sept.-Nov. 1975
2. HORIZONTAL CONTROL	RECOVERED BY	NA	
	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	NA	
	LOCATED *(Field Methods)* BY	NA	
	Verified ~~XXXXXXXX~~ BY	G. W. Jamerson	Nov. 1975
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION — BY		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	G. W. Jamerson	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) 7303, 7305, 7294, 7295

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 ☒ NONE

6. 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 76-40
1 Field edit ozalid
1 Field Edit Report

*U.S. GOVERNMENT PRINTING OFFICE: 1974 - 768-078

NOAA FORM 76-36D
(3-72)

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

TP-00851

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.	10/75	Class III Manuscript Superseded	11/24/75	11/07/75
Field Edit applied. Compilation complete.	1/76	Class I Manuscript Superseded	6/07/76	
Final Review	3/77		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
1		7/02/76	Aid for charts.

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: July 2, 1976
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 NOS. 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:

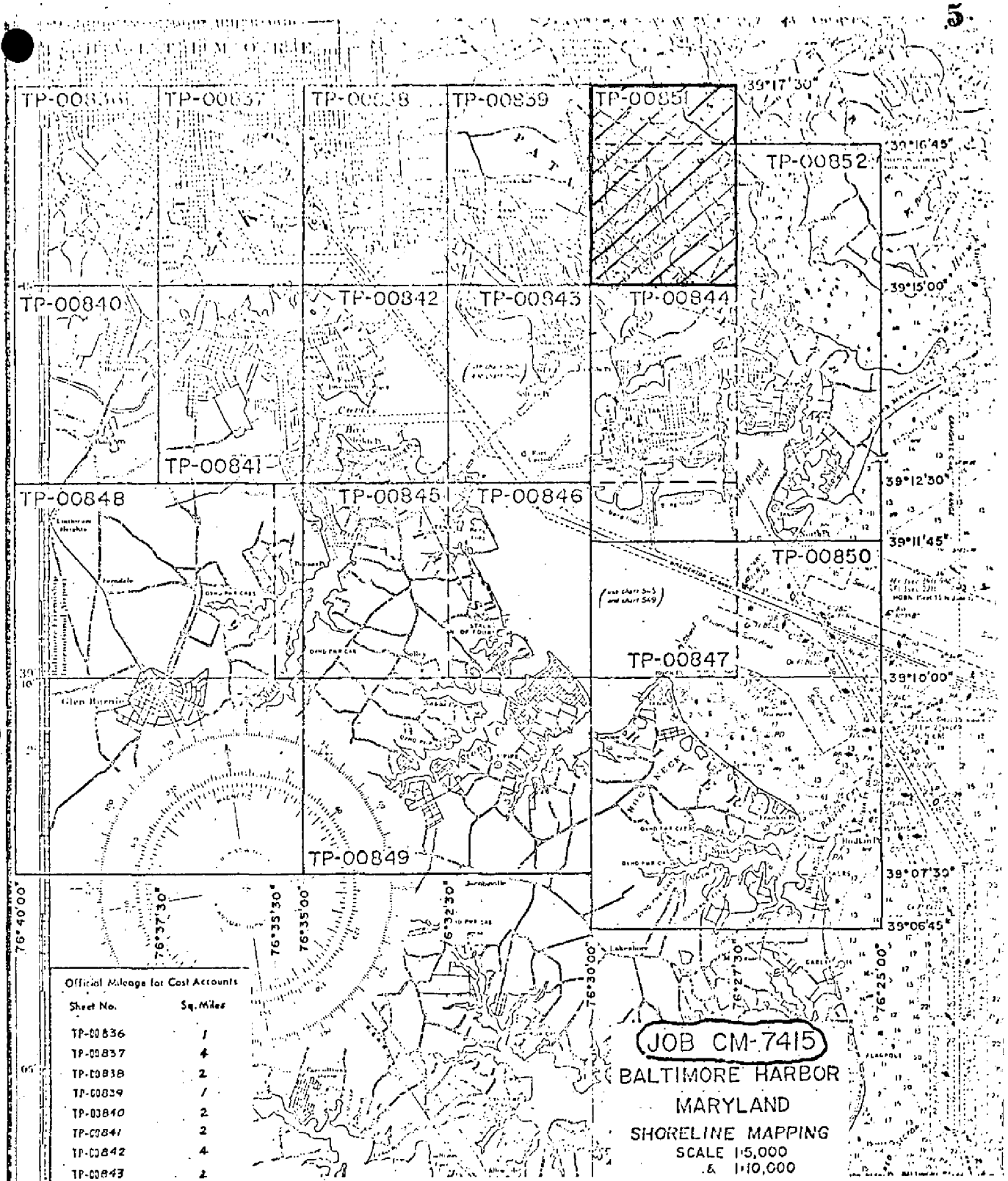
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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

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

NOAA FORM 76-36D

★U. S. GOVERNMENT PRINTING OFFICE: 1973--778075/1077 REGION NO. 6



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° 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 premarking 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

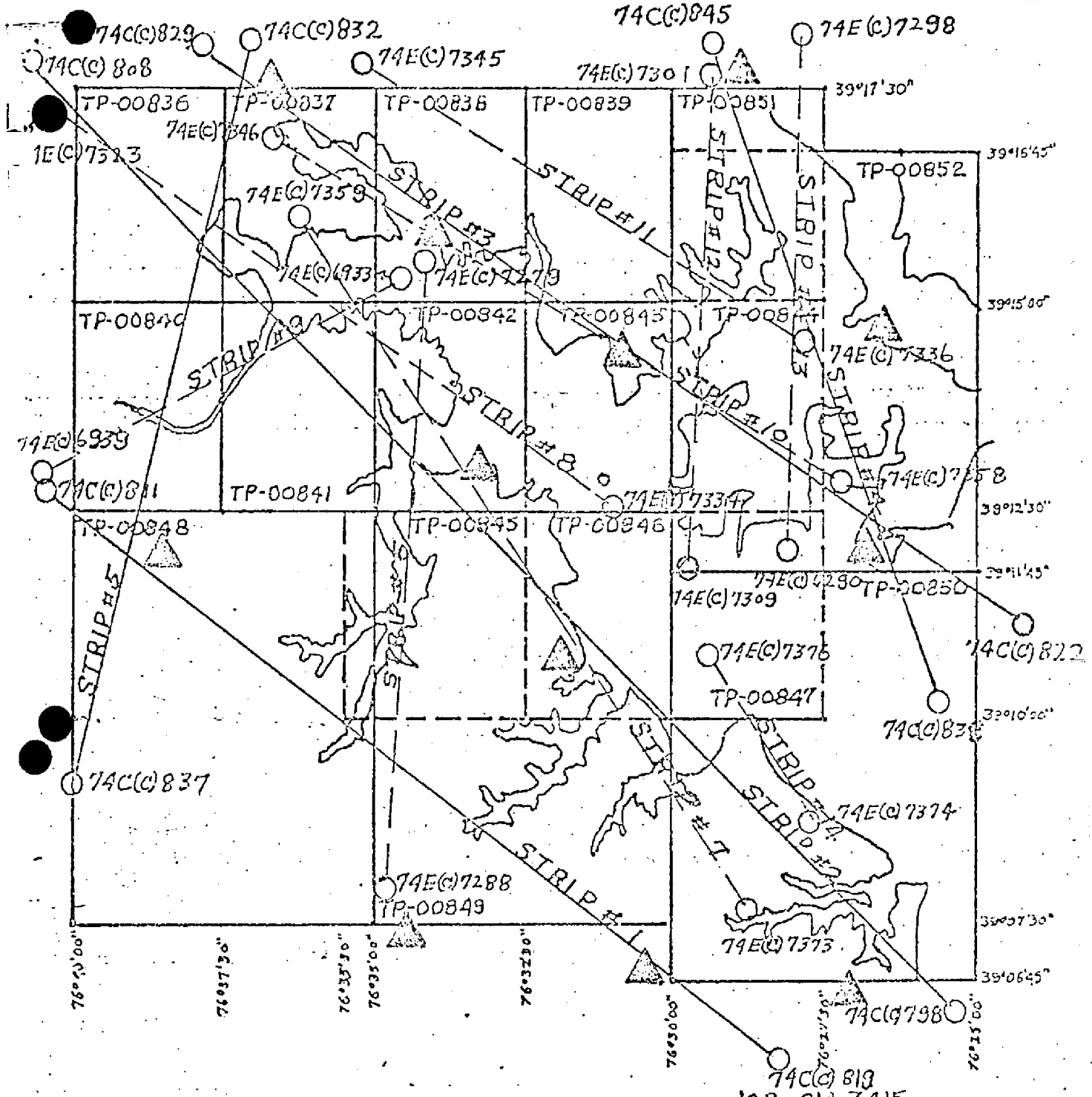
USGS Quadrangles were used to provide vertical control for the adjustment.

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



——— BRIDGING PHOTOGRAPHY

— — — — COMPILATION PHOTOGRAPHY

NOAA FORM 76-41
(6-75)

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
TP-00851	CM-7415	NA 1927	AMC Coastal Mapping Div., Norfolk, VA

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE ___ ZONE ___	GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE	REMARKS
NONE			x=	ϕ	
			y=	λ	
			x=	ϕ	
			y=	λ	
			x=	ϕ	
			y=	λ	
			x=	ϕ	
			y=	λ	
			x=	ϕ	
			y=	λ	
			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 5/21/75	COMPUTATION CHECKED BY	DATE
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-00851

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter, using 1:15,000 scale photography which was adequate.

The northeast corner of this manuscript was not compiled as per verbal instructions from the Rockville Office.

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.

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 October 1975 and the final field edited forms 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: MIDDLE RIVER, 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 February 8, 1975
No. 12279, scale 1:40,000, 12th Edition, dated November 9, 1974
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:

Charles H. Bishop

for Charles Parker
Cartographic Technician
October 31, 1975

Approved:

Albert C. Rauck, Jr.

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

ADDENDUM TO THE COMPILATION REPORT

TP-00851

FIELD EDIT

This was a fine job of field editing. All the questions asked were answered clearly and completely. Necessary deletions were indicated on the field edit ozalid, and the additions were shown on the proper photographs. There was one discrepancy concerning height data for a wreck between the ozalid and the photograph; the ozalid showed a wreck bare 2' and the photograph showed the same wreck to be bare 1'. An average of the two heights was used on the tide computation form. The marsh areas had originally been delineated in pencil and, since the field editor neither verified the limits nor indicated any changes, it was assumed that they were correct. These areas were inked.

Submitted by:
Joanne Roderick
J. Roderick
Cartographer
January 28, 1976

February 28, 1977

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7415 (Baltimore, Md.)

TP-00851

Battle Grove

Bear Creek

Chink Creek

Country Club Cove

Gray Haven

Gray Manor

Inverness

Lynch Cove

North Point

North Point Village

Patapsco River Neck

Schoolhouse Cove

Approved by:

Charles E. Harrington

Charles E. Harrington
Staff Geographer - C51x2

NOAA FORM 75-74 (2-74)

TP-00851

U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL OCEAN SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

XX-XXXXX

1. PROJECTION AND GRIDS	2. TITLE	3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
LON, Jr.	LON, Jr.		LON, Jr.

CONTROL STATIONS

5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY *(Topographic stations)*	7. PHOTO HYDRO STATIONS
XX	NA	NA

8. BENCH MARKS	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
NA	XX	LON, Jr.	LON, Jr.

ALONGSHORE AREAS *(Nautical Chart Data)*

12. SHORELINE	13. LOW-WATER LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
LON, Jr.	XX		LON, Jr.

16. AIDS TO NAVIGATION	17. LANDMARKS	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
LON, Jr.	XX	LON, Jr.	LON, Jr.

PHYSICAL FEATURES

20. WATER FEATURES	21. NATURAL GROUND COVER	22. PLANETABLE CONTOURS
LON, Jr.	NA	NA

23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
NA	NA	NA	LON, Jr.

CULTURAL FEATURES

27. ROADS	28. BUILDINGS	29. RAILROADS	30. OTHER CULTURAL FEATURES
LON, Jr.	LON, Jr.	LON, Jr.	XX

BOUNDARIES

31. BOUNDARY LINES	32. PUBLIC LAND LINES
NA	NA

MISCELLANEOUS

33. GEOGRAPHIC NAMES	34. JUNCTIONS	35. LEGIBILITY OF THE MANUSCRIPT
LON, Jr.	LON, Jr.	LON, Jr.

36. DISCREPANCY OVERLAY	37. DESCRIPTIVE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
LON, Jr.	LON, Jr.	XX	LON, Jr.

40. REVIEWER	SUPERVISOR, REVIEW SECTION OR UNIT
Lowell O. Neterer Jr. L. O. Neterer, Jr.	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	SUPERVISOR
J. Roderick 1/28/76 Joanne Roderick	Albert C. Rauck, Jr.
Reviewer Lowell O. Neterer, Jr. 3/16/76	Albert C. Rauck, Jr.

43. REMARKS

See Form 76-36C, History of Field Operations, Field Edit, Item #8.

NOAA FORM 75-74 (2-74)

SUPERSEDES C&GS FORM 1002 WHICH MAY BE USED UNTIL EXISTING STOCK IS DEPLETED.

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

FIELD EDIT REPORT

TP-00851

Baltimore Harbor, Md.

51. METHODS

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 the mean high water line were made; because of the limited visibility into the water and lack of wire drag 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 of this sheet was generally adequate. There are some areas of incorrect shoreline compilation which wase corrected by field edit, and as indicated on the field edit ozalid. Many piers were compiled and labeled as floats; all of these were changed, as there were no floating piers or docks, but rather all were fixed. Many pilings were deleted as the image on the photograph was at times misleading. Some of the boathouses compiled were actually pier decks; changes and corrections appear on the photographs or field edit ozalid, or are referred to on the field edit ozalid. All but one compiled rock were found not to exist; the one rock not deleted was part of rip rap along the shoreline. The "rocks" compiled were found to be trash, tree limbs, various types of temporary material brought into the water by rains or man. One "rock" was still in place, and was found to be a tire. Most of the "rocks" compiled were compiled in shallow areas where trash tends to accumulate. Each question pertaining to wrecks was disposed of on the

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

field edit ozalid. Bulkhead areas were compiled very well, only minor changes were made to bulkhead limits; these changes are shown on the photographs and are referred to on the field edit ozalid. Many of the coves are shallow, limits were indicated on the photographs. Compilation will be complete with the application field edit notes.

56. GEOGRAPHIC NAMES

No comprehensive investigation of geographic names was made, however no discrepancies were found while editing this sheet.

57. LANDMARKS AND AIDS TO NAVIGATION

There are no landmarks on this sheet recommended for charting.

There is one non-floating aid to navigation on this sheet recommended for charting, Lynch Cove Point Daybeacon.

58. FIELD EDITOR

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

Respectfully submitted,

George W. Jamerson

George W. Jamerson

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

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

NONFLOATING AIDS [redacted] FOR CHARTS

ORIGINATING ACTIVITY
- [ ] HYDROGRAPHIC PARTY
- [ ] GEODETIC PARTY
- [ ] PHOTO FIELD PARTY
- [x] COMPILATION ACTIVITY
- [ ] FINAL REVIEWER
- [ ] QUALITY CONTROL & REVIEW GRP.
- [ ] COAST PILOT BRANCH

(See reverse for responsible personnel)

- [x] TO BE CHARTED
- [ ] TO BE REVISED
- [ ] TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office): Coastal Mapping Div. A.M.C. Norfolk.Va.

STATE: Maryland

LOCALITY: Baltimore Harbor

DATE: Jan.1976

The following objects HAVE [x] HAVE NOT [ ] been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
514	CM-7415	TP-00851	N.A.1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
DAYBEACON.	Lynch Cove Point Daybeacon	39 15	04.47 136	76 29	14.39 345	74E(C)7305 Oct.21,1974	F-V-Vis. Nov.1975	12278 12279 12281

FTM

REVIEW REPORT

TP-00851

SHORELINE

March 9, 1977

61. GENERAL STATEMENT:

See Summary, which is Page 6 of this Descriptive Report.

A comparison print showing significant differences noted in Par. 64 and 65 is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A visual comparison was made with a 1:20,000 scale reduction of 1:10,000 scale Survey T-5420 and a copy of Survey T-5421, scale 1:10,000. Both maps were compiled from November 1933 photography. A large amount of development has occurred in this area since 1933. Many cultural features have been added. There are no large differences in shoreline.

In the area compared, TP-00851 supersedes T-5420 and T-5421 for nautical chart construction purposes. T-5420 and T-5421 are the latest registered prior surveys of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

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

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with the boat sheet for H-9643 (HSB 5-1-76). Two differences are shown on the comparison print in purple.

65. COMPARISON WITH NAUTICAL CHARTS:

A visual comparison was made with Chart 12281, 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 National Standards of Map Accuracy.

Verbal instructions excluded the mapping of the Back River area of this map.

Submitted by:

Charles H. Bishop

Charles H. Bishop
Cartographer
March 9, 1977

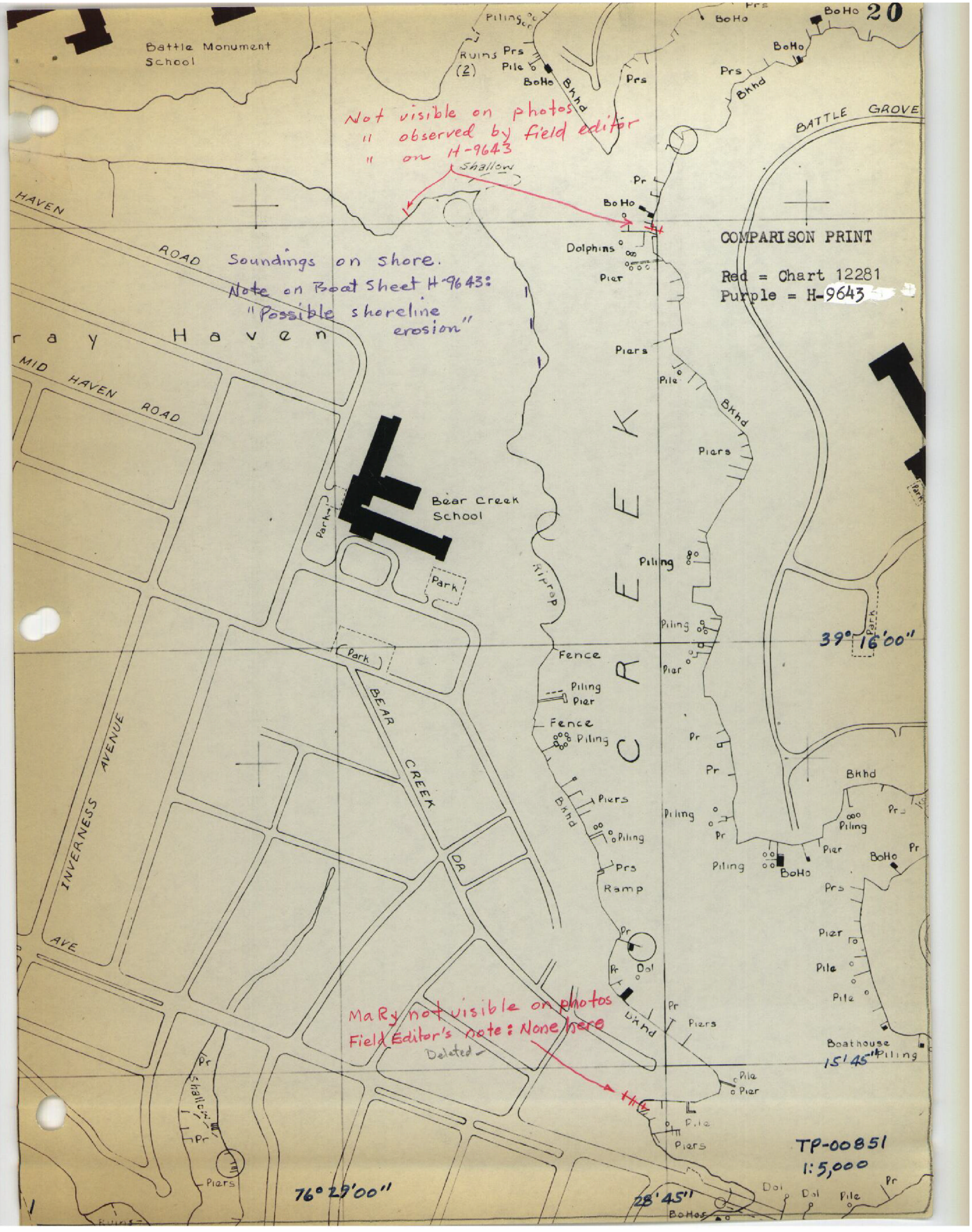
Approved for forwarding:

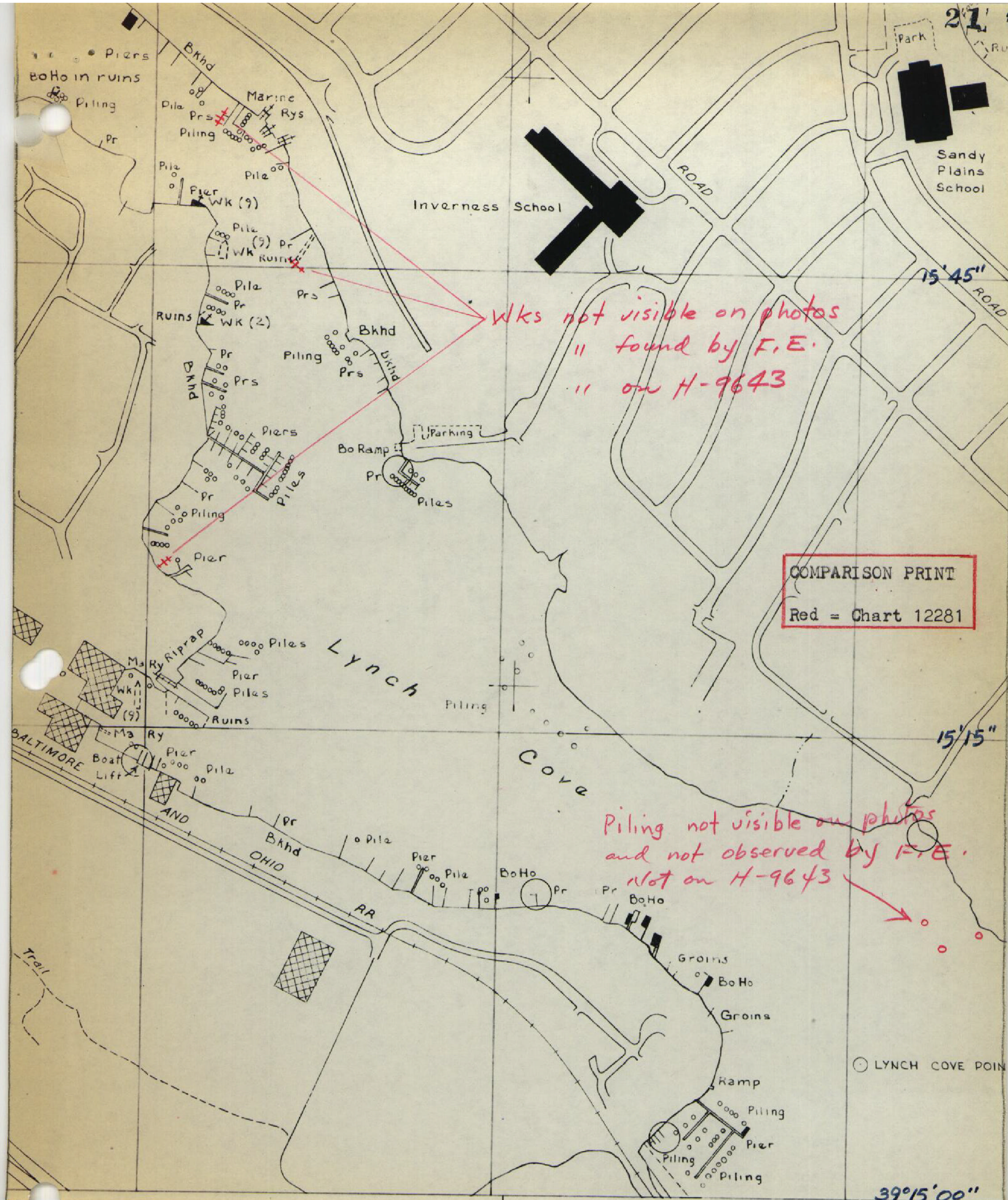
Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division


Battle Monument School
Ruins (2)
Prs
Pile
BoHo
Bkhd
Piling
Not visible on photos
" observed by field editor
" on H-9643
Shallow
BATTLE GROVE
HAVEN
ROAD
Soundings on shore.
Note on Boat Sheet H-9643:
"Possible shoreline erosion"
COMPARISON PRINT
Red = Chart 12281
Purple = H-9643
Dolphins
Pier
Piers
Pile
Bear Creek School
Park
Riprap
Fence
BEAR CREEK
MID HAVEN ROAD
INVERNESS AVENUE
BEAR CREEK DR
Ramp
Dol
Boathouse
39° 16'00"
76° 29'00"
28'45"
15'45"
Mary not visible on photos
Field Editor's note: None here
Deleted
TP-00851
1:5,000



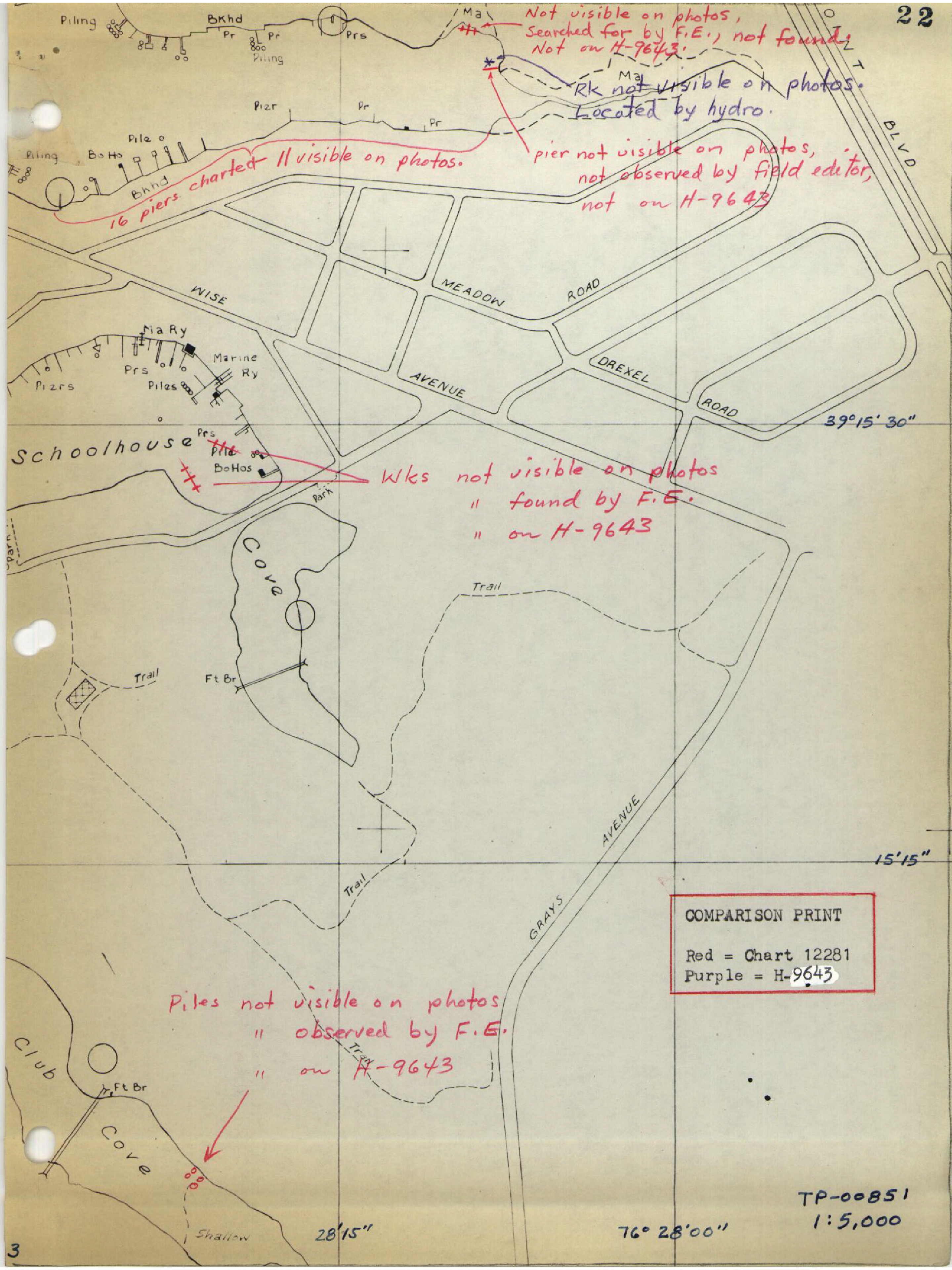
FT. 29'45" 76°29'30" | X=944,000 FT. 29'15" X=94

S JOB CM-7415

NOTE: Unlabeled circles are photogrammetric plot points, not map features

TP-00851
1:5,000

2


Piling
Bkhd
Pr
Prs
Piling
Not visible on photos, Searched for by F.E., not found; Not on H-9643.
Ma
Rk not visible on photos. Located by hydro.
Pier
Pile
Bo Hs
Bkhd
16 piers charted 11 visible on photos.
pier not visible on photos, not observed by field editor, not on H-9643
BLVD
WISE
MEADOW
ROAD
Ma Ry
Marine Ry
Piers
Prs
Piles
AVENUE
DREXEL
ROAD
39°15' 30"
Schoolhouse
Pile
BoHos
Wks not visible on photos
" found by F.E.
" on H-9643
Park
Cove
Trail
Ft Br
AVENUE
15'15"
GRAYS
COMPARISON PRINT
Red = Chart 12281
Purple = H-9643
Piles not visible on photos
" observed by F.E.
" on H-9643
Club
Ft Br
Cove
Shallow
28'15"
76° 28'00"
TP-00851
1:5,000
3

FORM C&GS-8352
(9-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. ______________

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
12281	7-12-77	D. C. Harpine	Full ~~Part Before~~ A After Verification Review Inspection Signed Via
(545)			Drawing No. 47
12278	8-79	M S Moore	Full Part Before After Verification Review Inspection Signed Via
(549)			Drawing No. 63 APPIED THRU CHT 12281
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
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			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.