

TP-00949

TP-00949

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey ... Shoreline Mapping
Job No. CM-7510 Map No. TP-00949
Classification No. III Edition No. ... 1st

LOCALITY

State Ohio
General Locality ... Lake Erie
Locality Grand River

1975 TO 19

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>00949</u> MAP EDITION NO. (1) MAP CLASS III JOB <u>PH. CM-7510</u> | | | | |
| PHOTOGRAMMETRIC OFFICE Coastal Mapping Division (Rockville) OFFICER-IN-CHARGE Commander James Collins | | LAST PRECEEDING MAP EDITION <table style="width:100%;"> <tr> <td style="width:50%;"> TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED </td> <td style="width:50%;"> JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__ </td> </tr> </table> | | TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED | JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__ | | |
| TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED | JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__ | | | | | | |
| I. INSTRUCTIONS DATED | | | | | | | |
| 1. OFFICE Instructions-AEROTRIANGULATION-10/23/75 Instructions-OFFICE-7/22/76 Memorandum Instructions-VERTICAL DATUM REFERENCES for map features, Photogrammetric Surveys, Great Lakes-7/13/76 | | 2. FIELD Instructions-FIELD-4/15/75 | | | | | |
| II. DATUMS | | | | | | | |
| 1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH-AMERICAN | | OTHER (Specify) | | | | | |
| 2. VERTICAL: <div style="margin-left: 20px;"> <input type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL </div> | | OTHER (Specify) Lake Erie Low Water Datum on the International Great Lakes Datum 1955 | | | | | |
| 3. MAP PROJECTION Lambert Conformal Conic | | 4. GRID(S) <table style="width:100%;"> <tr> <td style="width:50%;">STATE Ohio</td> <td style="width:50%;">ZONE North</td> </tr> <tr> <td>STATE</td> <td>ZONE</td> </tr> </table> | | STATE Ohio | ZONE North | STATE | ZONE |
| STATE Ohio | ZONE North | | | | | | |
| STATE | ZONE | | | | | | |
| 5. SCALE 1:5,000 | | | | | | | |
| III. HISTORY OF OFFICE OPERATIONS | | | | | | | |
| OPERATIONS | | NAME | DATE | | | | |
| 1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY | | I. Raborn | 12/75 | | | | |
| 2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat CHECKED BY | | S. Solbeck | 12/16/75 | | | | |
| 3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Wild B-8 SCALE: 1:5,000 CONTOURS BY | | G. Vanderhaven | 11/11/76 | | | | |
| 4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: Smooth Drafting CONTOURS BY SCALE: 1:5,000 HYDRO SUPPORT DATA BY | | L. Harrod | 11/11/76 | | | | |
| 5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY | | N/A | | | | | |
| 6. APPLICATION OF FIELD EDIT DATA BY | | G. Fromm | 9/29/77 | | | | |
| 7. COMPILATION SECTION REVIEW BY | | N/A | | | | | |
| 8. FINAL REVIEW BY | | N/A | | | | | |
| 9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY | | G. FROMM | 12/14/77 | | | | |
| 10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY | | G. FROMM | 1/24/78 | | | | |
| 11. MAP REGISTERED - COASTAL SURVEY SECTION BY | | F.R. WATTS | 2/10/78 | | | | |
| | | R.T. CATOR | 5/11/78 | | | | |

COMPILATION SOURCES

TP-00949

1. COMPILATION PHOTOGRAPHY

| | | | | | |
|---|---------|---|----------|---|--|
| CAMERA(S) Wild RC-10(B) Focal Length = 152.74mm | | TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED | | TIME REFERENCE | |
| TIDE STAGE REFERENCE <input type="checkbox"/> PREDICTED TIDES <input checked="" type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY | | | | ZONE Eastern | <input checked="" type="checkbox"/> STANDARD |
| | | | | MERIDIAN 75th | <input type="checkbox"/> DAYLIGHT |
| NUMBER AND TYPE | DATE | TIME | SCALE | STAGE OF TIDE | |
| 75-B(C) 1660-1663 | 4/26/77 | 1152-1156 | 1:15,000 | +3.9 ft. Lake Erie Low Water Datum, Cleveland Gauge | |
| 75-B(C) 1668-1671 | 4/26/77 | 1200-1203 | 1:15,000 | | |

REMARKS The above photography was ratioed to 1:5,000 scale. The elevation of the Lake Erie Low Water Datum on the International Great Lakes Datum 1955 is 568.5 ft., Cleveland Gauge.

2. SOURCE OF MEAN HIGH-WATER LINE:

The photography listed above is the source of the shoreline delineated. Refer to paragraph 35 of the compilation report bound with this Descriptive Report.

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

None

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-00948 | No contemporary Surveys----- | | TP-00947 |

REMARKS

TP-00949

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD WORK OPERATION☐ FIELD EDIT OPERATION

| OPERATION | NAME | DATE |
|-------------------------------------|---|---------|
| 1. CHIEF OF FIELD PARTY | W. Bergen | 4/24/75 |
| 2. HORIZONTAL CONTROL | RECOVERED BY N/A ESTABLISHED BY N/A PRE-MARKED OR IDENTIFIED BY N/A | |
| 3. VERTICAL CONTROL | RECOVERED BY N/A ESTABLISHED BY N/A PRE-MARKED OR IDENTIFIED BY N/A | |
| 4. LANDMARKS AND AIDS TO NAVIGATION | RECOVERED (Triangulation Stations) BY N/A LOCATED (Field Methods) BY N/A IDENTIFIED BY N/A | |
| 5. GEOGRAPHIC NAMES INVESTIGATION | TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY BY <input checked="" type="checkbox"/> NO INVESTIGATION | N/A |
| 6. PHOTO INSPECTION | CLARIFICATION OF DETAILS BY N/A | |
| 7. BOUNDARIES AND LIMITS | SURVEYED OR IDENTIFIED BY N/A | |

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED
None2. VERTICAL CONTROL IDENTIFIED
None

| 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 ☒ 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)

None

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

RECORD OF SURVEY USE

TP-00949

I. MANUSCRIPT COPIES

| COMPILATION STAGES | | | DATE MANUSCRIPT FORWARDED | |
|---|---------|--|---------------------------|---------------|
| DATA COMPILED | DATE | REMARKS | MARINE CHARTS | HYDRO SUPPORT |
| Compilation complete pending field edit. | | Class III Map Field edit postponed. | | |
| FINAL REVIEW PRIOR TO REGISTRATION | 2/10/78 | CLASS III MAP | | |
| | | | | |
| | | | | |

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

| NUMBER | CHART LETTER NUMBER ASSIGNED | DATE FORWARDED | REMARKS |
|--------|---------------------------------|-------------------|--|
| | | 3/31/78 | ONE PAGE OF DIGITIZED FORM 76-40 WAS SUBMITTED TO MARINE CHART DIVISION AS FINAL REPORT. |
| | | | |
| | | | THE COMPUTER CARDS FOR ALL 76-40 LANDMARKS AND AIDS TO NAVIGATION ARE ON FILE IN THE CMD, SPECIAL PROJECTS SECTION, AND WILL BE DESTROYED 5 YEARS AFTER THE DATE OF FINAL REVIEW. |
| | | | |
| | | | |

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____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 567 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)

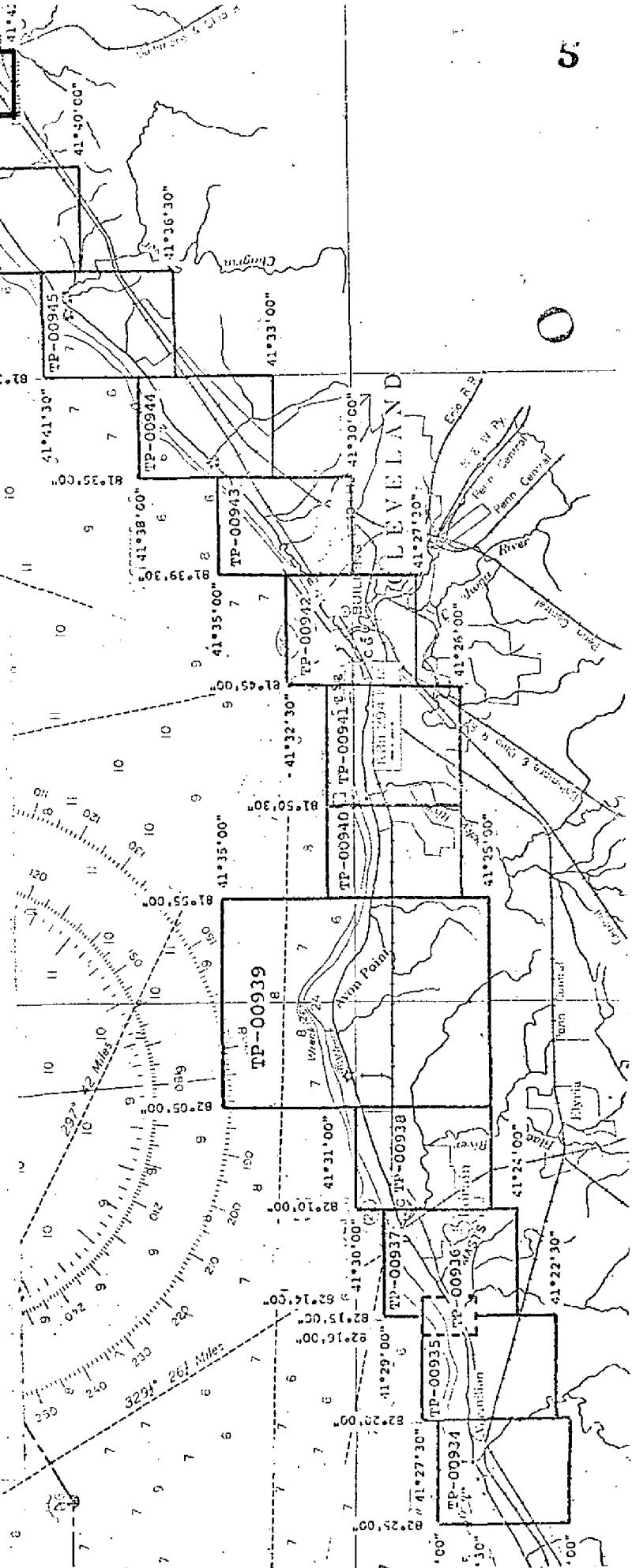
| | | | |
|-------------------|---------------------------------|--------------------------|---|
| SECOND EDITION | SURVEY NUMBER TP - _____ (2) | JOB NUMBER PH - _____ | TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> 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 | |

JOB CM-7510 VERMILION TO FAIRPORT HARBOR

OHIO
SHORELINE MAPPING
SCALE 1:5,000
1:10,000
1:20,000

OFFICIAL MILEAGE FOR COST ACCOUNTS

| SHEET NO. | SQ. MILES | SHEET NO. | SQ. MILES |
|-----------|-----------|--------------|-----------|
| TP-00934 | 4 | TP-00942 | 9 |
| TP-00935 | 5 | TP-00943 | 5 |
| TP-00936 | 2 | TP-00944 | 6 |
| TP-00937 | 6 | TP-00945 | 8 |
| TP-00938 | 6 | TP-00946 | 7 |
| TP-00939 | 4 | TP-00947 | 3 |
| TP-00940 | 2 | TP-00948 | 5 |
| TP-00941 | 9 | TP-00949 | 4 |
| | | TOTAL | 87 |



SUMMARY
TP-00934 thru TP-00949

The purpose of this survey is to provide shoreline maps for nautical chart compilation and maintenance. Sixteen maps were compiled along the southern shoreline of Lake Erie from Vermilion to Fairport Harbor, Ohio. Coverage of this area includes four 1:5,000 scale (TP-00936, TP-00947 through TP-00949), eleven 1:10,000 scale (TP-00934, TP-00935, TP-00937, TP-00938, TP-00940 through TP-00946), and one 1:20,000 scale (TP-00939), maps.

Field operations, beginning in April 1975, consisted of premarking control and aerial photography. There was no field inspection of the shoreline prior to compilation.

Eleven strips of natural color photography were furnished. Three strips 1:40,000 scale were flown in May 1975. Five strips 1:25,000 scale and three strips 1:15,000 were flown in April 1975. All photography was taken with the Wild RC-10 (B) camera.

The furnished photography was bridged by analytic aerotriangulation methods and adjusted to ground on the Ohio North State Plane Coordinate System. Ten horizontal control stations and vertical control from USGS quadrangles were weighted in the strip adjustments. This work was done in December 1975 and provided the horizontal and vertical control for compilation.

Compilation was performed in the Special Projects Section (Rockville) during the period from October 1976 through November 1977. All maps were compiled using Wild B-8 stereoplotters. Maps are based on office interpretation of the mapping photography. Landmarks and aids to navigation were not investigated by a field party.

Field edit was postponed in November 1977.

Final review was completed in the Rockville office in December 1977. Maps were found to be satisfactory and meet the National Map Standards of Accuracy.

A Descriptive Report for each map was prepared and contains all pertinent reports and listings of all data used to complete the map.

FIELD INSPECTION

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification of horizontal control necessary for aerotriangulation.

CM-7510



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

Lake Survey Center
630 Federal Bldg. & U.S. Crthse
Detroit, MI 48226

Date : May 1, 1975

Reply to Attn. of: CLS113

To : Chief, Surveys Branch (CLS11)

From : Chief, Horizontal Control Section (CLS113)

Subject: Summary Report of Results under Project OPR - 302 - 2 - 75: Photogrammetric Aerotriangulation Control and Paneling Support

1. Objective 2.1 of Project Instructions OPR - 302 - 2 - 75 has been completed in full as required. A summary of the results of this phase of the project are contained herein.
2. Objectives 2.2 and 2.3 will be completed pending final flight plans (expected during the week of May 5th); any effect upon the first phase of this project will be reported accordingly.
3. All designated photo control stations (or substations) were premarked and geodetically positioned in the prescribed manner as directed under the technical provisions of the Project Instructions; accomplished during the period 21 through 27 April 1975. Control Station Identification cards (NOAA Form 76-53) are attached to this report. Position computations for each photo control point/panel were completed in the field and verified in the office. A complete listing of the final coordinates of each of the photo control points is attached.
4. All costs incurred on this project were charged to C11130-83222302.
5. Recovery Notes were written on four NGS published horizontal control stations and will be transmitted to NGS prior to May 31, 1975.
6. No unusual problems were encountered during the field operations associated with this project. The only major deviation from the original project directives was that of substituting station ARP 1966 for station BELL CRGS, 1943; with approval received by telecon from CLS11.
7. Compilation photography for this area was flown on April 26, 1975; at which time all panels were in place except HUNTINGTON Substation A.

Encl: Geographic Coordinates of all Photo Control Points
CSI Cards (11)
Office Position Computations

PHOTO CONTROL POINT COORDINATES OPR-302-2-75

| Number | Station | Latitude | | | Longitude | | |
|--------|--|----------|----|-----------|-----------|----|-----------|
| | | ' " | | | ' " | | |
| 1 | BACON LSC, 1974 Substation A (Paneled) | 41 | 46 | 36.4645 ✓ | 81 | 12 | 22.9039 ✓ |
| 2 | FALL IN LSC, 1974 Substation A (Paneled) | 41 | 41 | 32.7575 ✓ | 81 | 24 | 40.2361 ✓ |
| 3 | MOSS POINT LSC, 1973 SUBSTATION A (Paneled) | 41 | 36 | 49.2287 ✓ | 81 | 31 | 47.0421 ✓ |
| 4 | ARP 1966 Marked direct by panel | 41 | 31 | 01.6580 ✓ | 81 | 41 | 03.7410 ✓ |
| 5 | WILBUR WRIGHT CRGS, 1943 Substation A (Paneled) | 41 | 27 | 36.7428 ✓ | 81 | 45 | 48.5900 ✓ |
| 6 | HUNTINGTON LSC, 1973 Substation A (Paneled) | 41 | 29 | 24.4997 ✓ | 81 | 55 | 32.3346 ✓ |
| 7 | SHEFFIELD LAKE LSC, 1973 Substation A (Paneled) | 41 | 29 | 21.3807 ✓ | 82 | 06 | 46.3737 ✓ |
| 8 ✓ | ELYRIA H2O LSC, 1973 Substation A (Paneled) | 41 | 27 | 17.2863 ✓ | 82 | 12 | 54.7748 ✓ |
| 9 ✓ | BROWNHELM USLS, 1877 Substation A (Paneled) | 41 | 23 | 16.9177 ✓ | 82 | 18 | 24.6186 ✓ |
| 10 ✓ | CEYLON, 1956 Substation A (Paneled) | 41 | 23 | 03.7880 ✓ | 82 | 27 | 39.9497 ✓ |
| 11 | ROCKY RIVER LSC, 1973 Substation A (Paneled) | 41 | 29 | 23.7748 ✓ | 81 | 50 | 10.7997 ✓ |
| | Substation B (Pict Point) | 41 | 29 | 23.6499 ✓ | 81 | 50 | 08.5599 ✓ |

Photogrammetric Plot Report
Vermilion to Fairport Harbor, Ohio
December 1975

21. Area Covered: This report pertains to the shoreline of Lake Erie from Vermilion to Fairport Harbor, Ohio. This area is covered by four 1:5,000 scale sheets, TP-00936, TP-00947 thru TP-00949, eleven 1:10,000 scale sheets, TP-00934, TP-00935, TP-00937, TP-00938, TP-00940 thru TP-00946, and one 1:20,000 scale sheet TP-00939.

22. Method: Three strips (see sketch) of 1:40,000 scale color photography were bridged by analytic aerotriangulation methods. The three strips were controlled by field identified control paneled in 1975. Five strips of 1:25,000 scale color photography and three strips of 1:15,000 scale color photography were also bridged by analytic aerotriangulation methods. These strips were controlled by common points from the 1:40,000 scale photography. Ties were made between all bridging strips. Points were established for determining ratios for the 1:25,000 and 1:15,000 scale color photography. Ratios were ordered on December 23, 1975, for field edit only. Data for ruling projections were furnished to the Coradomat to be plotted on the Ohio North Plane Coordinate System.

23. Adequacy of Control: The control was adequate with the inclusion of office identified control as checks. Horizontal control station (Elyria H₂O LSC 1973, SS"A") did not meet the National Map Accuracy Standards. This station did hold the bridge adjustment by 6 feet in X and 26 feet in Y. No reason could be determined for the error.

24. Supplemental Data: USGS quadrangles were used to provide vertical control for the adjustment. Lake Survey Charts were also used to assist in locating aids to navigation. These aids were photogrammetrically located and should be field checked.

25. Photography: The photography was adequate as to coverage, overlap and definition.

Respectfully submitted,

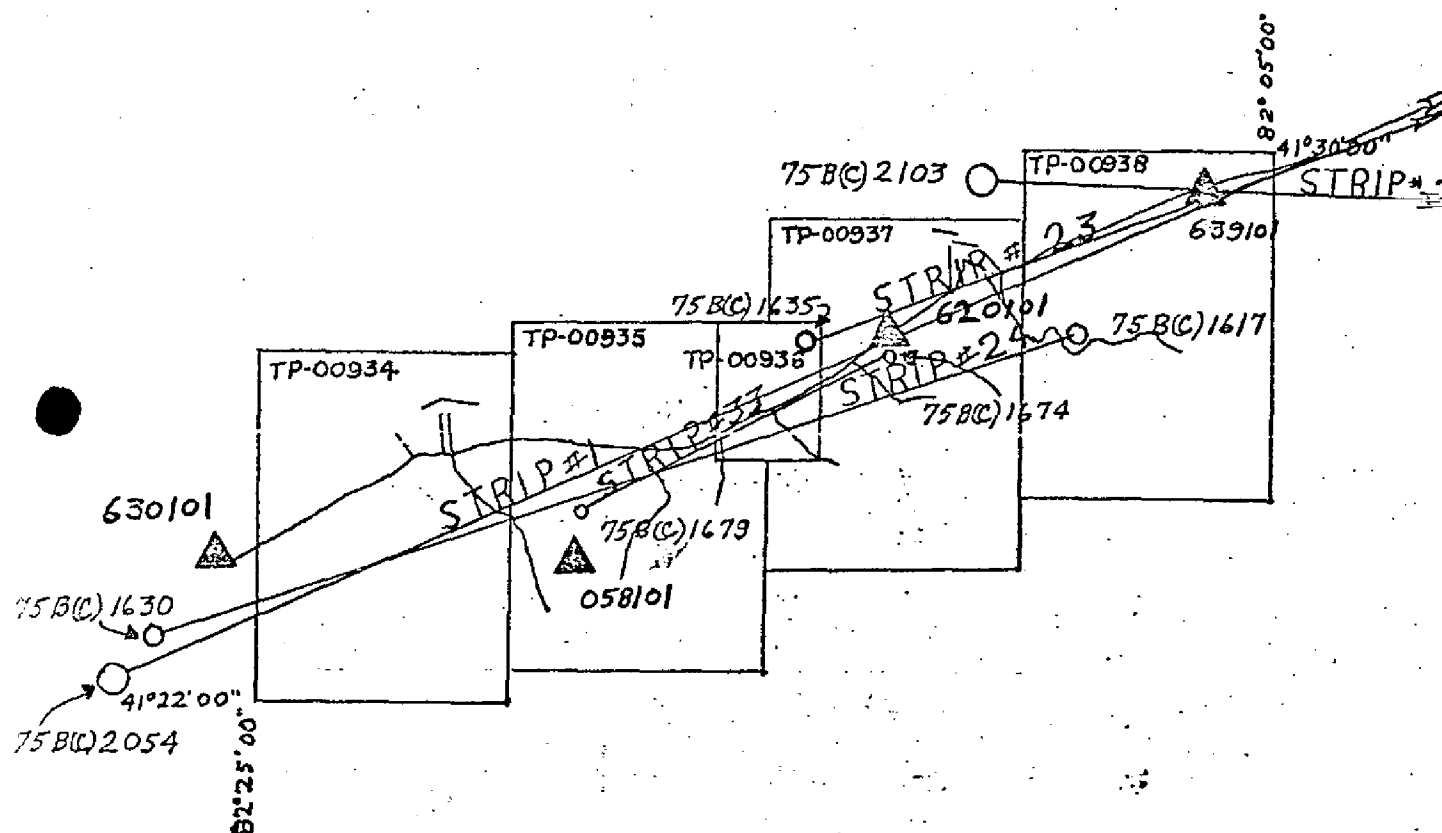
Ivey O. Raborn
Ivey O. Raborn

Approved and forwarded:

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

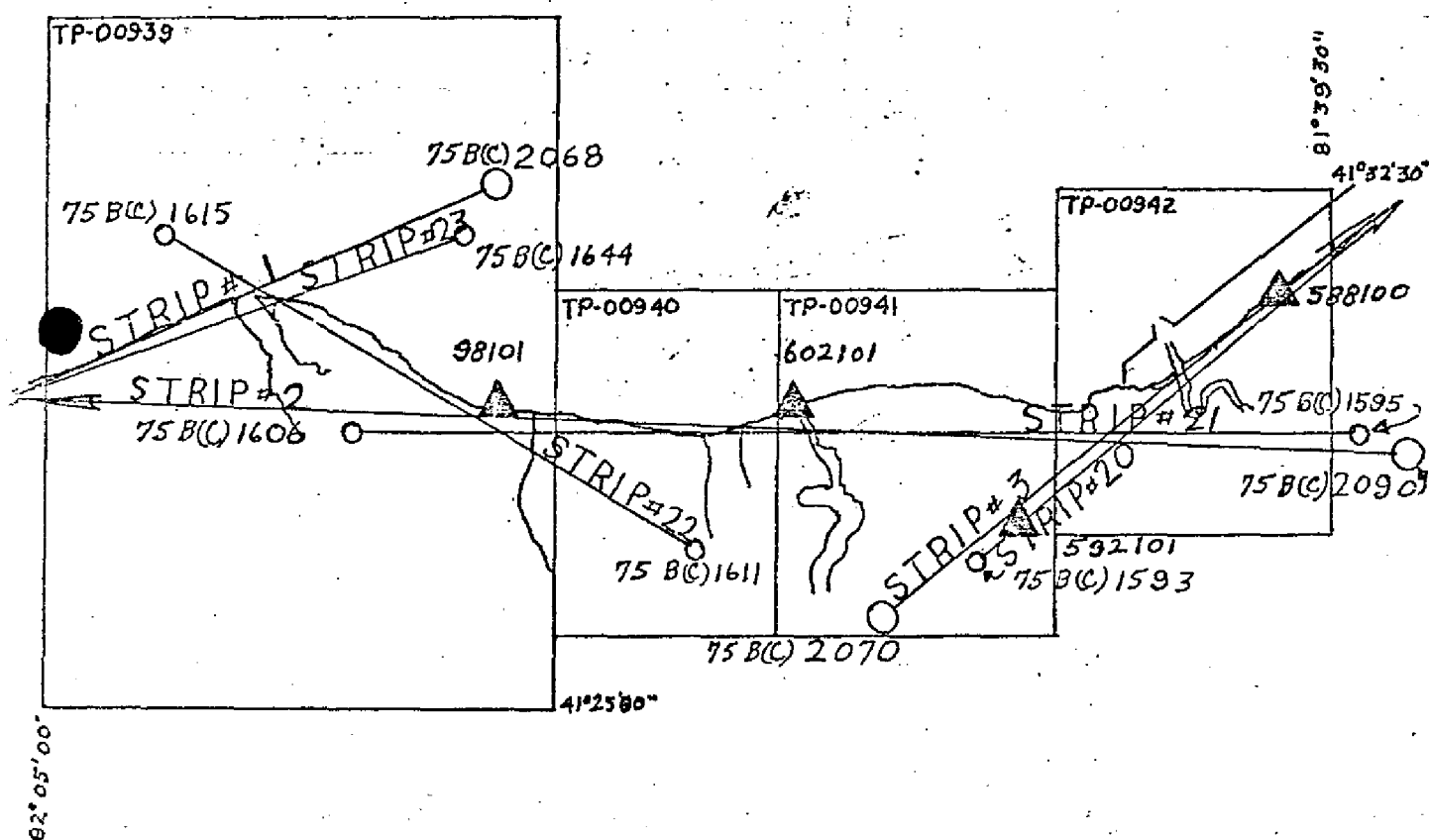
NOTES TO COMPILER

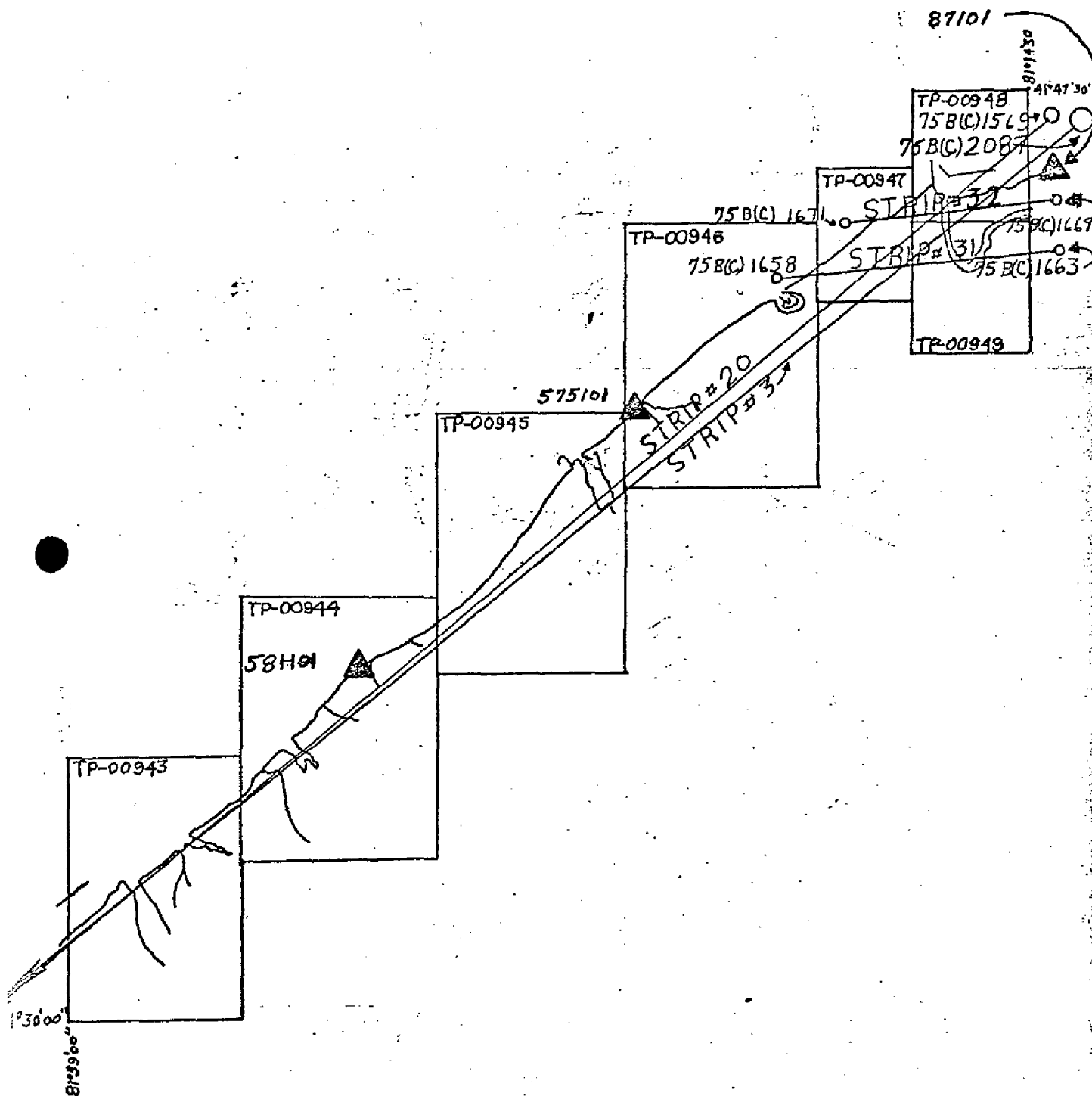
Do not set models 1635 and 1636 on strip 23 and also 1617 and 1618 on strip 24. They were deleted from the job because of overlap in coverage. All aids and landmarks that were located were converted to G.P.'s and a listing was furnished. Identification of the aids by number was made on the photos and charts of the area.



JOB CM-7510
VERMILION TO FAIRPORT HARBOR
OHIO

- 1:40,000
- 1:25,000
- 1:15,000





TP-00949
Compilation Report

31. Delineation

This map was compiled on the Wild B-8 stereoplotter using 1:15,000 scale natural color photography taken in 1975.

32. Control

Refer to the Photogrammetric Plot Report bound with this Descriptive Report.

The identification, density, and placement of horizontal and vertical control was adequate.

33. Supplemental Data

None

34. Contours and Drainage

All drainage is from office interpretation of the color photography.

35. Shoreline and Alongshore Details

The shoreline was compiled by office interpretation of the color photography. The shoreline datum is the lake level at the time of photography.

Alongshore and foreshore features were delineated by office interpretation of the same photography.

There was no preliminary field inspection of the shoreline.

36. Offshore Detail

No unusual problems were encountered in compiling details offshore.

37. Landmarks and Aids

Refer to the 76-40 listing bound with this Descriptive Report for those charted landmarks identifiable on the compilation photography. No fixed aids to navigation fall within the limits of this map.

38. Control for Future Surveys

No form 524 was submitted.

39. Junctions

Refer to form 76-36B, item #5, of the Descriptive Report.

40. Horizontal and Vertical Accuracy

No comment.

41. thru 45.

Inapplicable

46. Comparison with Existing Maps

A comparison was made with the following USGS quadrangle(s):

Mentor, Ohio, 1:24,000 scale, 1963 edition, photorevised 1970.

Painsville, Ohio, 1:24,000 scale, 1960 edition, photorevised 1970.

No significant differences were noted.

47. Comparison with Nautical Charts

A comparison was made with the following charts:


14825(formerly LS-34), 18th edition, dated 12/7/74, 1:80,000 scale.

14837(formerly LS-346), 20th edition, dated 11/23/74, 1:8,000 scale.

Items to be Applied to Nautical Charts Immediately - None

Items to be Carried Forward - None

Submitted by:



G. Vanderhaven



Approved and Forwarded:

| | | | | | |
|---|--|---|--|--|----------------------------------|
| NOAA FORM 75-74 (7-75) | | PHOTOGRAMMETRIC OFFICE REVIEW TP - 00949 | | U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL OCEAN SURVEY | |
| 1. PROJECTION AND GRIDS | | 2. TITLE | | 3. MANUSCRIPT NUMBERS | |
| GF | | GF | | GF | |
| 4. MANUSCRIPT SIZE | | | | | |
| GF | | | | | |
| 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 |
| N/A | | | N/A | | N/A |
| 8. BENCH MARKS | | 9. PLOTTING OF SEXTANT FIXES | | 10. PHOTOGRAMMETRIC PLOT REPORT | |
| N/A | | N/A | | GF | |
| | | | | GF | |
| ALONGSHORE AREAS (Nautical Chart Data) | | | | | |
| 12. SHORELINE | | 13. LOW-WATER LINE | | 14. ROCKS, SHOALS, ETC. | |
| GF | | N/A | | GF | |
| | | | | GF | |
| 15. BRIDGES | | | | | |
| GF | | | | | |
| 16. AIDS TO NAVIGATION | | 17. LANDMARKS | | 18. OTHER ALONGSHORE PHYSICAL FEATURES | |
| None | | GF | | GF | |
| | | | | GF | |
| | | | | GF | |
| PHYSICAL FEATURES | | | | | |
| 20. WATER FEATURES | | | 21. NATURAL GROUND COVER | | 22. PLANETABLE CONTOURS |
| GF | | | N/A | | N/A |
| | | | | | N/A |
| 23. STEREOSCOPIC INSTRUMENT CONTOURS | | | 24. CONTOURS IN GENERAL | | 25. SPOT ELEVATIONS |
| N/A | | | N/A | | N/A |
| | | | | | N/A |
| | | | | | GF |
| CULTURAL FEATURES | | | | | |
| 27. ROADS | | 28. BUILDINGS | | 29. RAILROADS | |
| GF | | GF | | GF | |
| | | | | GF | |
| | | | | GF | |
| | | | | GF | |
| BOUNDARIES | | | | | |
| 31. BOUNDARY LINES | | | | 32. PUBLIC LAND LINES | |
| N/A | | | | N/A | |
| MISCELLANEOUS | | | | | |
| 33. GEOGRAPHIC NAMES | | | 34. JUNCTIONS | | 35. LEGIBILITY OF THE MANUSCRIPT |
| GF | | | GF | | GF |
| | | | | | GF |
| 36. DISCREPANCY OVERLAY | | | 37. DESCRIPTIVE REPORT | | 38. FIELD INSPECTION PHOTOGRAPHS |
| GF | | | GF | | N/A |
| | | | | | GF |
| | | | | | GF |
| 40. REVIEWER | | | SUPERVISOR, REVIEW SECTION OR UNIT | | |
| G. Fromm | | | G. Ball, Special Projects Section | | |
| 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 | | |
| | | | | | |
| 43. REMARKS | | | | | |
| | | | | | |

REVIEW REPORT TP-00949

Shoreline Mapping - Chart Compilation

December 1977

61. General Statement

The map was reviewed in its Class III stage by the Special Projects Section (Rockville). The Descriptive Report contains all of the pertinent information which may be required by users of this map.

62. Comparison with Registered Topographic Surveys - None63. Comparison with Maps of Other Agencies

Refer to the Compilation Report, paragraph 46, bound with this Descriptive Report.

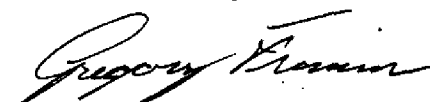
64. Comparison with Contemporary Hydrographic Surveys - None65. Comparison with Nautical Charts

Refer to the Compilation Report, paragraph 47, bound with this Descriptive Report.

66. Adequacy of Results and Future Surveys

This map meets the National Standards of Map Accuracy and complies with compilation instructions and Bureau requirements.

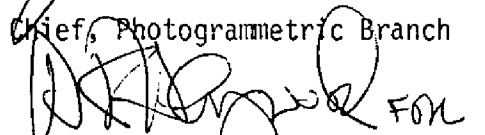
Submitted by:


Gregory Fromm

Approved and Forwarded: ^{BW}



Chief, Photogrammetric Branch

 FOR
Chief, Coastal Mapping Division

December 5, 1977

GEOGRAPHIC NAMES


FINAL NAME SHEET

CM-7510 (Vermilion to Fairport Harbor, Ohio)

TP-00949

- Baltimore & Ohio (RR)
- Benningtons Landing
- Fairport Harbor
- Fairport, Painesville & Eastern (RR)
- Grand River
- Grand River (locality)
- Painesville
- Ram Island

Approved by:


Charles E. Harrington
Staff Geographer - C51x2



January 31, 1978

TO: Chief, Photogrammetric Branch

FROM: James Collins (signed) James Collins
Chief, Coastal Mapping Division

SUBJECT: Registration of Job CM-7510, Vermilion Harbor to Fairport
Harbor, Ohio

The subject job comprising one map at 1:20,000 scale, eleven maps at 1:10,000 scale and four maps at 1:5,000 scale has been compiled by the Special Projects Section.

No field edit will be obtained for the above maps and you are hereby instructed to register this job as Class III maps.

Attachment

cc: C3442
C3421



CM-7510
National Archives

Brown Jacket

Computer Readouts
Photogrammetric Plot Report (Duplicate copy)
NOAA Forms 76-53 (Control Station Identification Cards)
Control Index Diagram
NOAA 76-41 Forms (Prepared by Aerotriangulation activity)

Bridging Photography

Job Completion Report

76-40 Listings (Landmarks and Fixed Aids)

Photography (DIAPOSITIVE ONLY)

| | |
|-------------------------------|----------|
| Strip #1 75B(C) 2053-2068 | 1:40,000 |
| #2 75B(C) 2090-2104 | " |
| #3 75B(C) 2069-2089 | " |
| Strip #20 75B(C) 1567-1593 | 1:25,000 |
| #21 75B(C) 1594-1607 | " |
| #22 75B(C) 1608-1616 | " |
| #23 75B(C) 1634-1645 | " |
| #24 75B(C) 1617-1633 | " |
| Strip #31 75B(C) 1656-1665 | 1:15,000 |
| #32 75B(C) 1666-1673 | " |
| #33 75B(C) 1674-1680 | " |
| #32 (Reject) 75B(C) 1647-1655 | 1:15,000 |

* SVY TP-00949 * LANDMARKS FOR CHARTS * RPT UNIT CMD ROCKVILLE, MD. * PAGE 1 OF 1 *
 * JOB CM-7510 * TO BE REVISED * STATE OHIO * ORIGINATING ACTIVITY *
 * PRJ LAKE ERIE * * LOCALITY GRAND RIVER * * COMPILATION *
 * DTM NA 1927 * * DATE 11/01/77 * * *
 * THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *

* * *
 * CHARTING* RECORD REASON FOR DELETION * POSITION CMD * METHOD AND DATE * CHARTS *
 * NAME * PUT TRIANGULATION NAMES IN () * LATITUDE DM ALTEK* OF LOCATION * FIELD * AFFECTED *
 * * * * LONGITUDE DP DGTZD* OFFICE * * * * *

* TOWER * * 41 44 56.80 1752.4 * 75B(C)1661* * 14837 *
 * * * * 81 16 56.93 1315.4 * * 04/26/75 * * *

* TOWER * * 41 44 54.72 1688.2 * 75B(C)1661* * 14837 *
 * * * * 81 16 49.29 1138.9 * * 04/26/75 * * *

* TANK * * 41 44 45.42 1401.3 NOT * 75B(C)1661* * 14837 *
 * * * * 81 16 23.50 543.0 DGTZD* 04/26/75 * * *

* TANK * * 41 44 31.75 979.5 NOT * 75B(C)1661* * 14837 *
 * * * * 81 16 37.04 855.9 DGTZD* 04/26/75 * * *

* * * * *
 * * * * *
 * * * * *

CHARTED LDMK(S) UNIDENTIFIABLE ON COMPILATION PHOTOGRAPHY.
 APPROXIMATE POSITION(S) SCALED FROM EXISTING CHART.

* STACK * * 41 43 36.00 1110.7 NOT * * 14825 *
 * * * * 81 15 84.00 92.5 DGTZD* * * *

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 * * * * *

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* * * * *

* TYPE OF ACTION * NAMES OF RESPONSIBLE PERSONNEL * ORIGINATOR *
 * * * * *

* * * * *

* POSITIONS DETERMINED * NO FIELD EDIT-CLASS III MAP * FIELD REPRESENTATIVE *
 * AND/OR VERIFIED BY * G. VANDERHAVEN * OFFICE COMPILER *
 * FIELD AND OFFICE * L. HARROD * DIGITIZER *
 * ACTIVITIES * G. FROMM * DATA PROCESSER *

* * * * *

* * * * *

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

TP-0949

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.

[illegible]