TP-00897

TP-00897

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

THIS MAP EDITION WILL NOT BE FIELD EDITED

Type of Survey ..... SHORELINE .....

Job No. ..... CM-8001 ..... *Map No.* TP-00897 ....

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

LOCALITY

State ..... MICHIGAN .....

General Locality ..... SAGINAW RIVER .....

Locality ..... BAY CITY .....

.....

19 TO 1980

REGISTRY IN ARCHIVES

DATE .....

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

MAP NOT INSPECTED BY

QUALITY CONTROL OF PHOTOGRAMMETRY BRANCH

PRIOR TO REGISTRATION

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

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY: ☒ ORIGINAL ☐ RESURVEY ☐ REVISED

SURVEY TP-00897

MAP EDITION NO. (1)

MAP CLASS III

JOB ~~PH~~CM-8001

PHOTOGRAMMETRIC ~~OFFICE~~ Branch
Rockville, Md.

OFFICER-IN-CHARGE
Lawrence Fritz

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
OFFICE JULY 25, 1983 AEROTRIANGULATION JAN 22, 1982	FIELD MARCH 20, 1981

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): INTERNATIONAL GREAT LAKES DATUM 1955

3. MAP PROJECTION: LAMBERT CONFORMAL CONIC

4. GRID(S): STATE: MICHIGAN; ZONE: SOUTH

5. SCALE: 1:20,000 — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION	BY	R. Johanson	5/83
METHOD: Analytic	LANDMARKS AND AIDS BY	R. Johanson	5/83
2. CONTROL AND BRIDGE POINTS	PLOTTED BY	B. Thornton	6/83
METHOD: Coradomat	CHECKED BY	C. Heazel	7/83
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	C. Heazel	7/83
	CHECKED BY	P. Dempsey	7/83
INSTRUMENT: Wild B-8	CONTOURS BY	N/A	
SCALE: 1:20,000	CHECKED BY	N/A	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	C. Heazel	8/83
	CHECKED BY	P. Dempsey	8/83
METHOD: Worksheet Delineation	CONTOURS BY	N/A	
	CHECKED BY	N/A	
	HYDRO SUPPORT DATA BY	N/A	
SCALE: 1:20,000	CHECKED BY	N/A	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	N/A	
6. APPLICATION OF FIELD EDIT DATA	BY	N/A	
	CHECKED BY	N/A	
7. COMPILATION SECTION REVIEW	BY	J. Schad	9/83
8. FINAL REVIEW	BY	P. Dempsey	12/83
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY		
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	E. DAUGHERTY	NOV 1984

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

COMPILATION SOURCES

TP-00897

1. COMPILATION PHOTOGRAPHY

CAMERA(S)
RC-10(Z) Focal Length 153.15mm

TIDE STAGE REFERENCE
- ☐ PREDICTED TIDES
- ☒ REFERENCE STATION RECORDS
- ☐ TIDE CONTROLLED PHOTOGRAPHY

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

TIME REFERENCE
ZONE: Eastern — ☐ STANDARD
MERIDIAN: 75th — ☒ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	WATER ~~STAGE~~ LEVEL
80 ZP 7309 thru 7313	6/12/80	0920	1:50,000	
80 ZP 7288 thru 7297	6/11/80	1316	1:20,000	2.75 Feet above Lake Huron Low Water Datum
80 ZP 7256 - 7257	6/11/80	1250	1:20,000	
80 ZP 7269 thru 7270	6/11/80	1300	1:20,000	

REMARKS International Great Lakes Datum 1955, Essexville, Michigan water level was 579.55 Feet.

2. SOURCE OF ~~MEAN HIGH WATER LINE~~ Shoreline:

The source of the shoreline is the 1:50,000 scale photographs listed in item 1 above.

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

N/A

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
N/A	N/A	TP-00898	N/A

REMARKS

* 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

HISTORY OF FIELD OPERATIONS

TP-00897

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

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		J. E. Dunford	9/15/81
2. HORIZONTAL CONTROL	RECOVERED BY	C. Middleton	9/15/81
	ESTABLISHED BY	C. Middleton	9/15/81
	PRE-MARKED OR IDENTIFIED BY	C. Middleton	9/15/81
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 [ ] COMPLETE [ ] SPECIFIC NAMES ONLY [X] NO INVESTIGATION — BY	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

Six Sub Stations

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME
80 ZP 7310	APPOLD 2, 1960 Sub Pts A & B
80 ZP 7311	BAY CITY EASTERN HIGH SCHOOL DOME, 1932 Sub Pts A & B
80 ZP 7313	BAY CITY WATER SUPPLY STACK, 1932 Sub Pts A & B

PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS *(Clarification of details)*

N/A

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)*

3 CSI NOAA forms 76-53, 6 NOAA forms 76-86, 9 NOAA forms 76-170, 6 NOAA forms 73-135, 7 NOAA forms 75-63, 3 NOAA forms 75-82A, 4 NOAA forms 75-65. These forms are bound in a brown covered field book labeled CM-8001 Saginaw River, Michigan.

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

NOAA FORM 76-36D
(3-72)

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

RECORD OF SURVEY USE

TP-00897

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Final Class III map	Aug.,1983	Chart Maintenance Print	OCT 3 1984	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
4 Pgs.		OCT 3 1984	Copy of NOAA 76-40 Form, Nonfloating Aids or Landmarks for Charts

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:

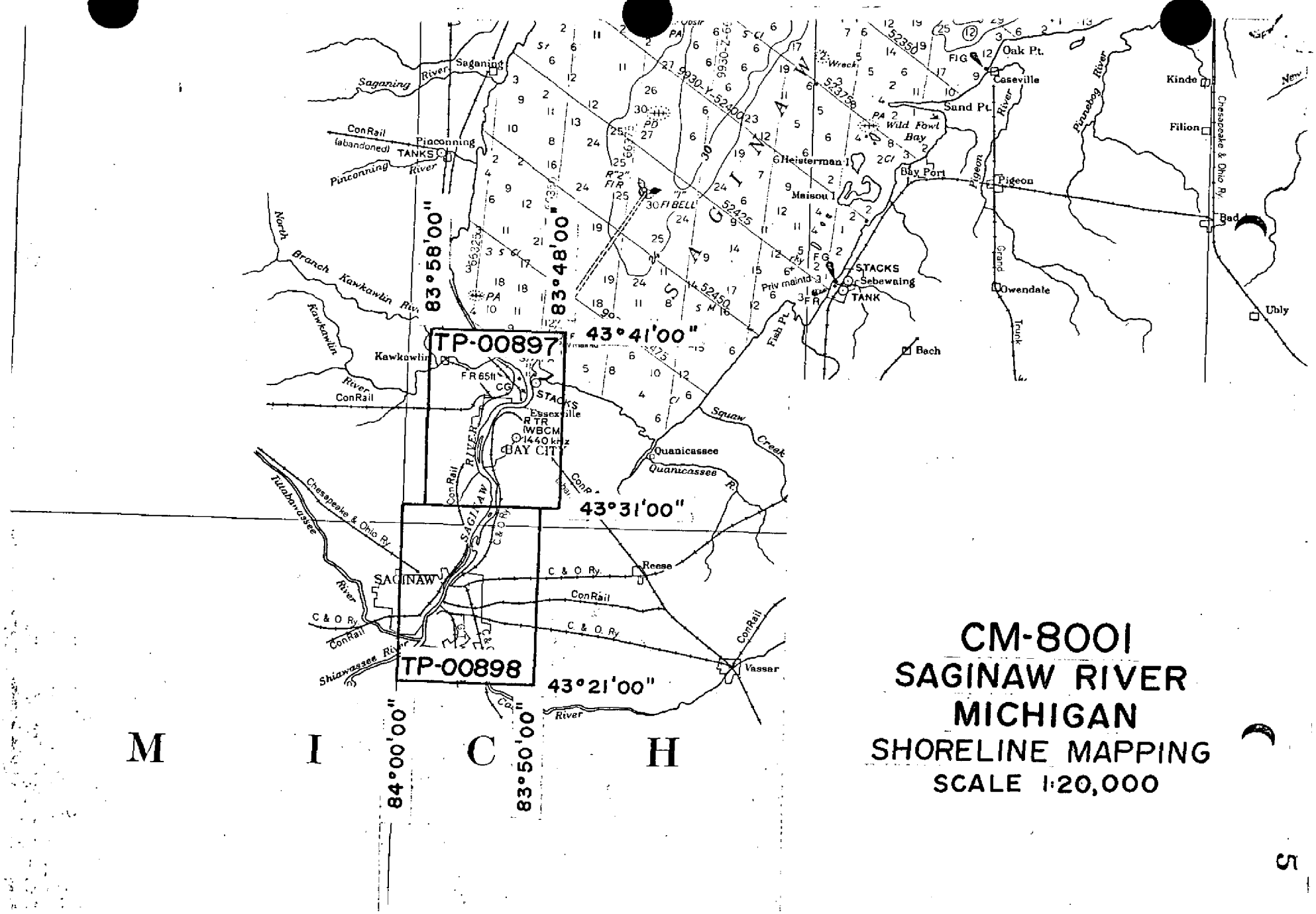
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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

	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
SECOND EDITION	TP - _____ (2)	PH - _____	☐ 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

NOAA FORM 76-36D

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



CM-8001
SAGINAW RIVER
MICHIGAN
SHORELINE MAPPING
SCALE 1:20,000

SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT
TP-00897

This map is one of two 1:20,000 scale manuscripts which comprise project CM-8001. The project covers the shoreline area of the Saginaw River from Saginaw Bay to Saginaw, Michigan. This map was not field edited.

The initial purpose of this project was to provide basic specifications for the compilation of data to be used in the maintenance and reconstruction of nautical charts.

A field investigation was performed, prior to compilation, in September 1981. This investigation consisted of the recovery and photoidentification of horizontal control. There was no field inspection performed.

Photo coverage for compilation and aerotriangulation was taken in June 1980 with the Wild RC-10(Z) camera at a scale of 1:50,000 and 1:20,000, panchromatic. The 1:20,000 scale photographs were used to supplement the base compilation.

Aerotriangulation was adequately provided at the Washington Science Center, Rockville, Maryland. The 1:50,000 panchromatic photographs were bridged using analytic aerotriangulation methods.

Compilation was performed at the Washington Science Center, Rockville, Maryland in August 1983. The largest scale chart was used as a guide for selection and limit of interior detail.

Final review was performed at the Washington Science Center, Rockville, Maryland in December 1983. This map complies with the National Standards of Map Accuracy.

A chart maintenance print was prepared during the final review and forwarded to the Marine Chart Branch. Accompanying the above mentioned print was NOAA forms 76-40, listing of landmarks and nonfloating aids to navigation.

The context of this Descriptive Report contains all pertinent reports and listings of data used to compile this final map.

A stable base positive copy of this final map and the Descriptive Report will be registered in the NOS Archives.

Photogrammetric Plot Report

Saginaw River, Michigan
CM-8001
April 1983

21. Area Covered

This report pertains to the Saginaw River from Saginaw, Michigan to Saginaw Bay. The area is covered by two 1:20,000 scale sheets, TP-00897 and TP-00898.

22. Method

One strip of 1:50,000 scale black and white photographs was bridged by analytical aerotriangulation methods. Control was field identified. Ratio values were determined for the 1:50,000 scale black and white photography. Positions were determined for two fixed aids and eight landmarks. The bridging photographs were adjusted using the Michigan State Plane Coordinate System, South Zone.

The aerotriangulation of this project will meet the horizontal accuracy requirements of the National Ocean Service.

23. Adequacy of Control

The control was adequate.

24. Supplemental Data

USGS quadrangles were used to provide vertical control for strip adjustments.

25. Photography

The photography was adequate.

Submitted by,

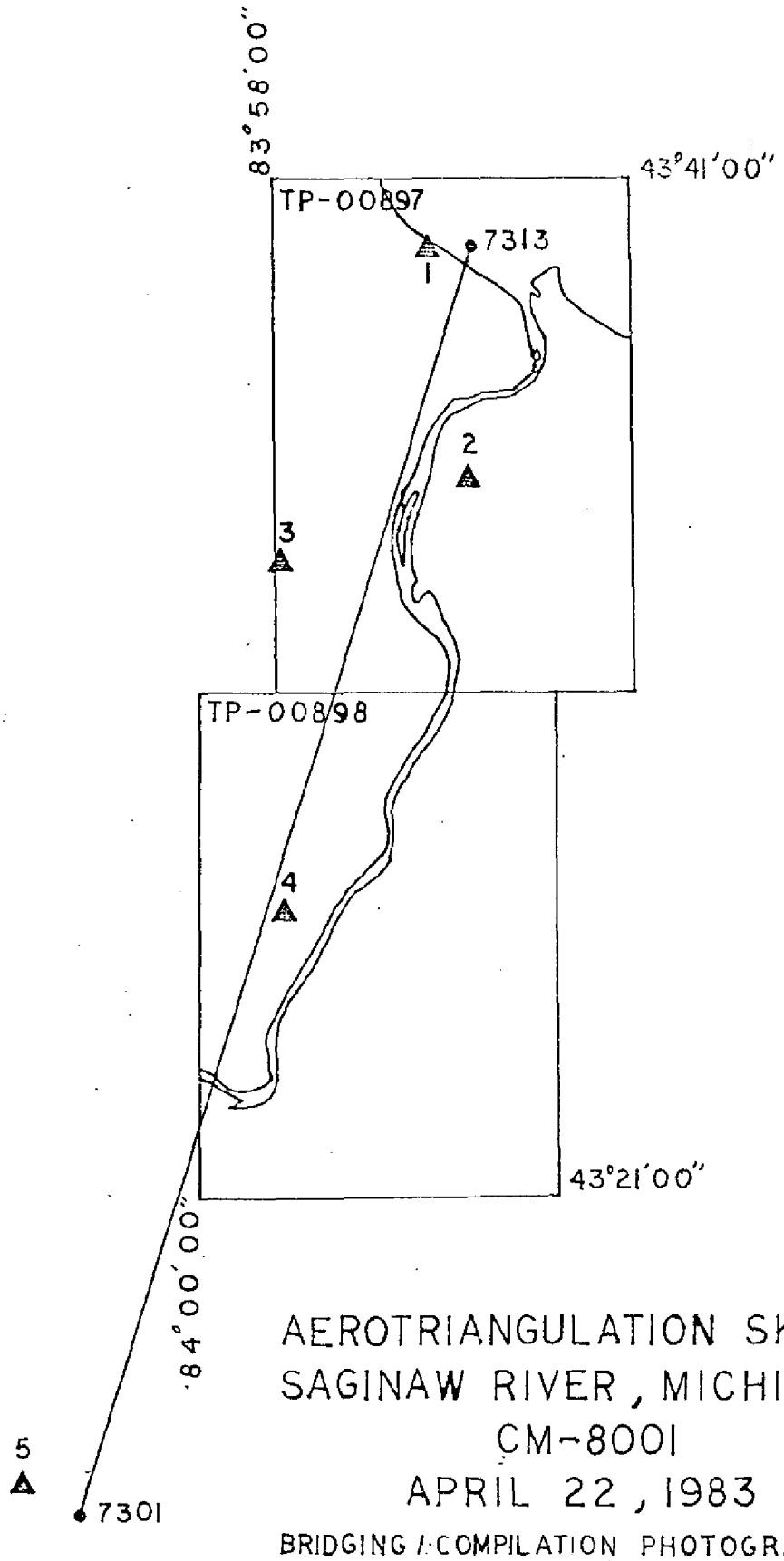
Rick Johanson

Rick Johanson

Approved and Forwarded:

Don O. Norman

Don O. Norman
Chief, Aerotriangulation Unit



AEROTRIANGULATION SKETCH
SAGINAW RIVER, MICHIGAN
CM-8001
APRIL 22, 1983

BRIDGING / COMPILATION PHOTOGRAPHY

81 ZP 1:50000

Saginaw River, Michigan

CM-8001

Fit to Control
(in feet)

Stations Held in Adjustment

	Point Number	X	Y
1. Bay City, Water Supply Stack, 1932			
Sub Pt A	313101	-2.3	2.1
Sub Pt B	313102	-0.1	-0.6
2. Bay City, Eastern High School Dome, 1932	311100	5.0	-1.2
Sub Pt A	311101	-0.3	2.3
Sub Pt B	311102	-0.1	-0.6
3. Appold 2, 1960			
Sub Pt A	310101	-4.9	-5.5
Sub Pt B	310102	1.0	1.1
4. Saginaw 2, No. 3, 1972			
Sub Pt A	307101	-1.5	2.9
Sub Pt B	307102	0.5	-1.2
5. Mair, 1932			
Sub Pt A	301101	1.2	0.4
Sub Pt B	301102	-1.1	-0.8

Saginaw River, Michigan
CM-8001
April 1983

Ratio values for black and white bridging photography

1:50,000 scale

80 Z(P) 7301-7313 X2.532

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-00897	CM-8001	N A 1927	Compilation

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE Michigan ZONE South	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS
Bay City City Hall, 1932	430834 pg 1008	3	x= 2,117,751.18 y= 763,189.75	φ 43° 35' 35.650" λ 83° 53' 20.037"	
Appold 2, 1960	430834 pg 1002	310100	x= 2,097,888.02 y= 751,150.39	φ 43° 33' 37.697" λ 83° 57' 50.645"	
Bay City Clements Airport Beacon, 1932	430834 pg 1009	10	x= 2,117,312.74 y= 746,318.96	φ 43° 32' 49.057" λ 83° 53' 27.199"	
Bay City Eastern High School Dome, 1932	430834 pg 1011	311100	x= 2,121,748.28 y= 761,461.39	φ 43° 35' 18.369" λ 83° 52' 25.855"	
Bay City Water Supply Stack, 1932	430834 pg 1017	1	x= 2,115,539.02 y= 788,517.98	φ 43° 39' 45.90" λ 83° 53' 48.31"	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	

COMPUTED BY	DATE	COMPUTATION CHECKED BY	DATE
LISTED BY Charles Heazel	DATE 8/83	LISTING CHECKED BY Patrick Dempsey	DATE 12/83
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE

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

TP-00897
COMPILATION REPORT
AUGUST 10, 1983

31. DELINEATION

All detail was compiled from the 1:50,000 scale panchromatic photographs using the Wild B-8 stereoplotter. The 1:20,000 scale panchromatic photographs were used to verify the delineation of the worksheets from the Wild B-8.

32. CONTROL

See the Photogrammetric Plot Report for the adequacy of the horizontal control. Vertical control was taken from USGS quadrangle maps and used in leveling models on the Wild B-8.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours were not applicable.

Drainage was delineated using the Wild B-8 stereoplotter.

35. SHORELINE AND ALONGSHORE DETAIL

The shoreline and alongshore detail was identified by office interpretation of the photographs. Some detail was omitted due to being too small to show at this scale.

No field inspection was made prior to compilation.

36. OFFSHORE DETAIL

Several obstructions, dolphins and islands were located during compilation.

37. LANDMARKS AND AIDS

Two aids were located by the Aerotriangulation Unit and verified during compilation.

Thirty landmarks were located in compilation.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Refer to NOAA form 76-36B.

40-45. N/A

46. COMPARISON WITH EXISTING MAPS

Comparison was made with the following USGS quadrangle maps;
ESSEXVILLE, MICHIGAN, scale 1:24,000, 1967, photorevised 1973
BAY CITY, MICHIGAN, scale 1:24,000, 1967, photorevised 1973
BAY CITY N. E., MICHIGAN, scale 1:24,000 1967, photorevised 1973
KAWKAWLIN, MICHIGAN, scale 1:24,000, 1967, photorevised 1973

47. COMPARISON WITH EXISTING CHARTS

Comparison was made with Nautical chart 14867, 21st edition, February 5, 1983, scale 1:20,000.

Submitted by;

Charles Heazel

Approved and Forwarded;

Robert Rodkey
Chief, Coastal Mapping Unit

REVIEW REPORT
SHORELINE SURVEY
TP-00897

61. GENERAL STATEMENT

A final review was performed for this shoreline map. A major shoreline change was noted at the mouth of the Kawkawlin River at latitude 43° 39' 30", longitude 83° 53' 00". No other major discrepancies were encountered. This map is registered as a class III map. For a complete analysis of the compilation refer to the Compilation Report bound with this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

N/A

63. COMPARISON WITH MAPS OF OTHER AGENCIES

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

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

N/A

65. COMPARISON WITH NAUTICAL CHARTS

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

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map complies with photogrammetric instructions for shoreline mapping and meets accuracy requirements of the National Standards of Map Accuracy.

Submitted by;

Patrick J. Dempsey

Approved;

for George M. Ball
Chief, Photogrammetric Section

Lawrence W. Fritz
Chief, Photogrammetry Branch

Dec. 22, 1983

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-8001 (Saginaw River, Michigan)

TP-00897

Alpin Beach (locality)
Bay City
Bay City State Park
Cheboygaining Creek
Chesapeake and Ohio (RY)
Detroit and Mackinac (RY)
Donahue Beach (locality)
Dutch Creek
Essexville
Grand Trunk Western (RR)
Gull Island
Kawkawlin River
Lagoon Beach (locality)
Little Killarney Beach
Middle Ground
Saginaw Bay
Saginaw River
Skull Island
Stony Island
Tobico Beach (locality)
Tobico Lagoon
Wenona Beach (locality)
Windy Point

Approved

Charles E. Harrington

Charles E. Harrington
Chief Geographer
Nautical Chart Division

DISSEMINATION OF PROJECT MATERIAL

CM-8001

SAGINAW RIVER, LAKE MICHIGAN, MICHIGAN

NATIONAL ARCHIVES/FEDERAL RECORDS CENTER

Brown Jacket:
- Computer Printouts
- Project Diagram
- Duplicate Photogrammetric Plot Report
- Duplicate NOAA Form 76-40, Nonfloating Aids or Landmarks for Charts, 8 pages
- Duplicate NOAA Form 76-41, Descriptive Report Control Record, 2 pages
- Duplicate Forms "Map Features of Possible Landmark Value", 2 pages
- Field Operations Notebook containing CSI cards(5), field photographs(4), aerial photographs(5) annotated with subpoint control identification, and miscellaneous NOAA field survey observation forms.

BUREAU ARCHIVES

- Registration Copies of Maps
- Descriptive Reports of Maps

REPRODUCTION DIVISION

- 8X Reduction Negatives of Maps

OFFICE OF STAFF GEOGRAPHER

- Geographic Names Standards

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
- ☒ COMPILATION ACTIVITY
- ☐ FINAL REVIEWER
- ☐ QUALITY CONTROL & REVIEW GRP.
- ☐ COAST PILOT BRANCH

(See reverse for responsible personnel)

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

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Rockville, Md.	Michigan	Saginaw Bay	8/10/83

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

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
	CM-8001	TP-00897	NA 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
Light	Saginaw Bay Channel Range Front Light	43 39	01.99	83 50	59.32	80 ZP 7312 6/12/80	Aerotrian-gulation	14863 14867
Light	Saginaw Bay Channel Range Rear Light	43 38	29.89	83 51	26.11	80 ZP 7312 6/12/80	Aerotrian-gulation	14863 14867

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	**NAME**	**ORIGINATOR**
OBJECTS INSPECTED FROM SEAWARD		☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER *(Specify)*
POSITIONS DETERMINED AND/OR VERIFIED		FIELD ACTIVITY REPRESENTATIVE
	Charles Heazel	OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	Patrick J. Dempsey	☒ REVIEWER ☐ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'

(Consult Photogrammetric Instructions No. 64,

OFFICE

I. OFFICE IDENTIFIED AND LOCATED OBJECTS

Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object.

EXAMPLE: 75E(C)6042
8-12-75

FIELD

I. NEW POSITION DETERMINED OR VERIFIED

Enter the applicable data by symbols as follows:

F - Field	P - Photogrammetric
L - Located	Vis - Visually
V - Verified	
1 - Triangulation	5 - Field identified
2 - Traverse	6 - Theodolite
3 - Intersection	7 - Planetable
4 - Resection	8 - Sextant

A. Field positions* require entry of method of location and date of field work.

EXAMPLE: F-2-6-L
8-12-75

*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.

FIELD (Cont'd)

B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object.

EXAMPLE: P-8-V
8-12-75
74L(C)2982

II. TRIANGULATION STATION RECOVERED

When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery.

EXAMPLE: Triang. Rec.
8-12-75

III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH

Enter 'V-Vis.' and date.

EXAMPLE: V-Vis.
8-12-75

**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.

NOAA FORM 76-40 (8-74)
Replaces C&GS Form 567.

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

NON-FLOATING AIDS OR LANDMARKS 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
- [X] TO BE REVISED
- [ ] TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Rockville Md.	Michigan	Saginaw River	8/10/83

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

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
	CM-8001	TP-00897	1927 North American

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	Position Quality	CHARTS AFFECTED
Tank		43°38'	43.29"	83°50'	27.63"	80 Z(P) 7312 6/12/80	Aerotrian-gulation	14863 14867
Stack	Northern of two	43°38'	41.99"	83°50'	27.75"	80 Z(P) 7312 6/12/80	Digitized	14863 14867
Stack	Southern of two	43°38'	40.72"	83°50'	27.62"	80 Z(P) 7312 6/12/80	Digitized	14863 14867
Stack		43°38'	36.95"	83°50'	28.42"	80 Z(P) 7312 6/12/80	Aerotrian-gulation	14863 14867
Tower		43°38'	36.53"	83°50'	40.42"	80 Z(P) 7312 6/12/80	Digitized	14863 14867
Tower		43°38'	31.89"	83°51'	01.95"	80 Z(P) 7312 6/12/80	Digitized	14863 14867
Stack	Northern of three	43°38'	25.49"	83°50'	44.68"	80 Z(P) 7312 66/12/80	Digitized	14863 14867
Stack	Centeral of three	43°38'	24.46"	83°50'	44.12"	80 Z(P) 7312 6/12/80	Digitized	14863 14867
Stack	Southern of three	43°38'	23.46"	83°50'	43.40"	80 Z(P) 7312 6/12/80	Digitized	14863 14867

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	**NAME**	**ORIGINATOR**
OBJECTS INSPECTED FROM SEAWARD		☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER *(Specify)*
POSITIONS DETERMINED AND/OR VERIFIED		FIELD ACTIVITY REPRESENTATIVE
	Charles Heazel	OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	Patrick J. Dempsey	☒ REVIEWER ☐ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'

(Consult Photogrammetric Instructions No. 64,

OFFICE

I. OFFICE IDENTIFIED AND LOCATED OBJECTS
Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object.
EXAMPLE: 75E(C)6042
8-12-75

FIELD

I. NEW POSITION DETERMINED OR VERIFIED
Enter the applicable data by symbols as follows:

F - Field	P - Photogrammetric
L - Located	Vis - Visually
V - Verified	
1 - Triangulation	5 - Field identified
2 - Traverse	6 - Theodolite
3 - Intersection	7 - Planetable
4 - Resection	8 - Sextant

A. Field positions* require entry of method of location and date of field work.
EXAMPLE: F-2-6-L
8-12-75

*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.

FIELD (Cont'd)

B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object.
EXAMPLE: P-8-V
8-12-75
74L(C)2982

II. TRIANGULATION STATION RECOVERED
When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery.
EXAMPLE: Triang. Rec.
8-12-75

III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH
Enter 'V-Vis.' and date.
EXAMPLE: V-Vis.
8-12-75

**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.

NOAA FORM 76-40 (8-74)
Replaces C&GS Form 567.

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

[illegible] LANDMARKS 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)

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

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Rockville Md.	Michigan	Saginaw River	8/10/83

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

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
	CM-8001	TP-00897	1927 North American

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	Position [illegible] Quality	CHARTS AFFECTED
Tank		43°38'	22.65"	83°50'	41.54"	80 Z(P) 7312 6/12/80	Digitized	14863 14867
Stack		43°38'	21.41"	83°50'	40.19"	80 Z(P) 7312 6/12/80	Digitized	14863 14867
Tower	[illegible] Cabl[illegible]	43°38'	14.81"	83°50'	36.31"	80 Z(P) 7312 6/12/80	Digitized	14863 14867
Tower	[illegible]	43°38'	15.46"	83°50'	59.39"	80 Z(P) 7312 6/12/80	Digitized	14863 14867
Tower		43°37'	12.26"	83°51'	29.60"	80 Z(P) 7312 6/12/80	Digitized	14863 14867
Flare		43°37'	33.19"	83°51'	23.62"	80 Z(P) 7312 6/12/80	Digitized	14863 14867
Radio Mast		43°37'	20.99"	83°51'	45.38"	80 Z(P) 7312 6/12/80	Digitized	14863 14867
T.V. Tower		43°37'	16.82"	83°49'	51.36"	80 Z(P) 7312 6/12/80	Digitized	14863 14867
Stack		43°37'	08.58"	83°50'	19.20"	80 Z(P) 7312 6/12/80	Digitized	14863 14867

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	**NAME**	**ORIGINATOR**
OBJECTS INSPECTED FROM SEAWARD		☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER *(Specify)*
POSITIONS DETERMINED AND/OR VERIFIED		FIELD ACTIVITY REPRESENTATIVE
	Charles Heazel	OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	Patrick J. Dempsey	☒ REVIEWER ☐ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'

(Consult Photogrammetric Instructions No. 64,

OFFICE

I. OFFICE IDENTIFIED AND LOCATED OBJECTS

Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object.

EXAMPLE: 75E(C)6042
8-12-75

FIELD

I. NEW POSITION DETERMINED OR VERIFIED

Enter the applicable data by symbols as follows:

F - Field	P - Photogrammetric
L - Located	Vis - Visually
V - Verified	
1 - Triangulation	5 - Field identified
2 - Traverse	6 - Theodolite
3 - Intersection	7 - Planetable
4 - Resection	8 - Sextant

A. Field positions* require entry of method of location and date of field work.

EXAMPLE: F-2-6-L
8-12-75

*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.

FIELD (Cont'd)

B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object.

EXAMPLE: P-8-V
8-12-75
74L(C)2982

II. TRIANGULATION STATION RECOVERED

When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery.

EXAMPLE: Triang. Rec.
8-12-75

III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH

Enter 'V-Vis.' and date.

EXAMPLE: V-Vis.
8-12-75

**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.

☆ U.S.GPO:1975-0-665-080/1155

NOAA FORM 76-40 (8-74)
Replaces C&GS Form 567.

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

NONFLOATING AIDS OR LANDMARKS 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)

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

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Rockville Md.	Michigan	Saginaw River	8/10/83

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

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
	CM-8001	TP-00897	1927 North American

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	Position Quality	CHARTS AFFECTED
Bell Tower		43°36'	39.36"	83°50'	16.54"	80 Z(P) 7312 6/12/80	Digitized	14863 14867
Stack		43°36'	34.92"	83°52'	07.96"	80 Z(P) 7311 6/12/80	Digitized	14863 14867
Tank		43°36'	25.26"	83°52'	51.23"	80 Z(P) 7311 6/12/80	Aerotrian-gulation	14863 14867
Tower		43°35'	33.38"	83°53'	37.05"	80 Z(P) 7311 6/12/80	Digitized	14863 14867
Tower		43°35'	42.22"	83°53'	43.34"	80 Z(P) 7311 6/12/80	Digitized	14863 14867
Clock Tower	Bay City City Hall 1932	43°35'	35.65"	83°53'	20.04"	80 Z(P) 7311 6/12/80	Geodetic Station	14863 14867
Radio Mast	WBCM	43°35'	05.76"	83°51'	33.02"	80 Z(P) 7311 6/12/80	Digitized	14863 14867
Tank		43°34'	14.64"	83°54'	40.84"	80 Z(P) 7310 6/12/80	Aerotrian-gulation	14863 14867
Tank		43°33'	56.47"	83°54'	07.59"	80 Z(P) 7310 6/12/80	Digitized	14863 14867

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	**NAME**	**ORIGINATOR**
OBJECTS INSPECTED FROM SEAWARD		☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER *(Specify)*
POSITIONS DETERMINED AND/OR VERIFIED		FIELD ACTIVITY REPRESENTATIVE
	B Charles Heazel	OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	Patrick J. Dempsey	☒ REVIEWER ☐ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'

(Consult Photogrammetric Instructions No. 64,

OFFICE

I. OFFICE IDENTIFIED AND LOCATED OBJECTS

Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object.

EXAMPLE: 75E(C)6042
8-12-75

FIELD

I. NEW POSITION DETERMINED OR VERIFIED

Enter the applicable data by symbols as follows:

F - Field	P - Photogrammetric
L - Located	Vis - Visually
V - Verified	
1 - Triangulation	5 - Field identified
2 - Traverse	6 - Theodolite
3 - Intersection	7 - Planetable
4 - Resection	8 - Sextant

A. Field positions* require entry of method of location and date of field work.

EXAMPLE: F-2-6-L
8-12-75

*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.

FIELD (Cont'd)

B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object.

EXAMPLE: P-8-V
8-12-75
74L(C)2982

II. TRIANGULATION STATION RECOVERED

When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery.

EXAMPLE: Triang. Rec.
8-12-75

III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH

Enter 'V-Vis.' and date.

EXAMPLE: V-Vis.
8-12-75

**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.

NOAA FORM 76-40 (8-74)
Replaces C&GS Form 567.

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

[redacted] LANDMARKS 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)

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

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Rockville Md.	Michigan	Saginaw River	8/10/83

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OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
	CM-8001	TP-00897	1927 North American

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	Position [redacted] Quality	CHARTS AFFECTED
Aero-Beacon	Bay City Clements Airport Beacon 1932	43°32'	49.06"	83°53'	27.20"	80 Z(P) 7310 6/12/80	Geodetic Station	14863 14867
Tower		43°32'	23.05"	83°53'	26.61"	80 Z(P) 7309 6/12/80	Digitized	14863 14867
Tower		43°32'	15.62"	83°53'	30.41"	80 Z(P) 7309 6/12/80	Digitized	14863 14867

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	NAME	ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD		☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER *(Specify)*
POSITIONS DETERMINED AND/OR VERIFIED		FIELD ACTIVITY REPRESENTATIVE
	Charles Heazel	OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	Patrick J. Dempsey	☒ REVIEWER ☐ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'

(Consult Photogrammetric Instructions No. 64,

OFFICE

I. OFFICE IDENTIFIED AND LOCATED OBJECTS

Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object.

EXAMPLE: 75E(C)6042
8-12-75

FIELD

I. NEW POSITION DETERMINED OR VERIFIED

Enter the applicable data by symbols as follows:

F - Field	P - Photogrammetric
L - Located	Vis - Visually
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1 - Triangulation	5 - Field identified
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4 - Resection	8 - Sextant

A. Field positions* require entry of method of location and date of field work.

EXAMPLE: F-2-6-L
8-12-75

*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.

FIELD (Cont'd)

B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object.

EXAMPLE: P-8-V
8-12-75
74L(C)2982

II. TRIANGULATION STATION RECOVERED

When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery.

EXAMPLE: Triang. Rec.
8-12-75

III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH

Enter 'V-Vis.' and date.

EXAMPLE: V-Vis.
8-12-75

**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.

MAP FEATURES OF POSSIBLE LANDMARK VALUE

RWR 10/81

MAP NO.	JOB NO.	GEOGRAPHIC AREA	GEODETIC DATUM	ORIGINATING ACTIVITY
TP-00897	CM-8001	Saginaw River	1927 North American	Compilation

DESCRIPTION	PHOTO NO. / DATE/PHOTO	PLANE COOR.(FT) STATE Michigan ZONE South	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	CHARTS AFFECTED
Tank	80 Z(P) 7311 6/12/80	X Y	φ 43° 35' 30.33" λ 83° 53' 26.99"	14863 14867
Tower	80 Z(P) 7311 6/12/80	X Y	φ 43° 36' 19.90" λ 83° 54' 57.16"	14863 14867
Tank	80 Z(P) 7311 6/12/80	X Y	φ 43° 36' 34.83" λ 83° 55' 22.03"	14863 14867
		X Y	φ λ	
		X Y	φ λ	
		X Y	φ λ	
		X Y	φ λ	
		X Y	φ λ	
		X Y	φ λ	
		X Y	φ λ	
		X Y	φ λ	
		X Y	φ λ	

POSITIONS FURNISHED ARE PHOTOGRAMMETRIC POSITIONS - MAP FEATURES HAVE NOT BEEN INSPECTED

LISTED BY	DATE	LISTING CHECKED BY	DATE
Charles M. Heazel	10/12/83	P. Dempsey	12/83

FORM C&GS-8352
(3-25-63)

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
			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
			Drawing No.
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			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.

FORM C&GS-8352 SUPERSEDES ALL EDITIONS OF FORM C&GS-975