

TP-01254

TP-01254

NOAA FORM 76-35 (3-76)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
This map edition will not be field edited	
Map No. TP-01254	Edition No. I
Job No. CM-8311	
Map Classification III	
Type of Survey Shoreline	
LOCALITY	
State Wisconsin	
General Locality Superior	
Locality Nemadji River	
1980 TO 19	
REGISTRY IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Photogrammetry Branch Rockville, Maryland		SURVEY TP. 01254 MAP EDITION NO. 1 MAP CLASS III JOB XX-CM-8311	
OFFICER-IN-CHARGE Lawrence W. Fritz		LAST PRECEDING MAP EDITION 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		2. FIELD	
Referred to "Vertical Datum Reference for Map Features, Photogrammetric Surveys, Great Lakes, July 13, 1976			
II. DATUMS			
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH-AMERICAN		OTHER (Specify)	
2. VERTICAL: <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		OTHER (Specify) International Greats Lakes Datum 1955	
3. MAP PROJECTION Lambert Conformal Conic		4. GRID(S) STATE Wisconsin ZONE North	
5. SCALE 1: 5,000		STATE ZONE	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic		BY J. Schad LANDMARKS AND AIDS BY N/A	Feb 1983
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat		PLOTTED BY J. Schad CHECKED BY N/A	Feb 1983
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:5,000		PLANIMETRY BY C. Heazel CHECKED BY J. Schad CONTOURS BY N/A CHECKED BY N/A	Feb 1983 Feb 1983
4. MANUSCRIPT DELINEATION METHOD: Smooth Drafting SCALE: 1:5,000		PLANIMETRY BY C. Heazel CHECKED BY P. Dempsey CONTOURS BY N/A CHECKED BY N/A HYDRO SUPPORT DATA BY N/A CHECKED BY N/A	April 1983 April 1983
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 P. Dempsey	April 1983
8. FINAL REVIEW		BY H. Lucas	July 1983
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH		BY N/A	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH		BY Robert Kelly	March 1983
11. MAP REGISTERED - COASTAL SURVEY SECTION		BY E. DAUGHERTY	Nov 1984

NOAA FORM 76-36B (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY			
COMPILATION SOURCES					TP-01254
1. COMPILATION PHOTOGRAPHY					
CAMERA(S) <div style="text-align: center;">Wild RC-8(E)</div>		TYPES OF PHOTOGRAPHY LEGEND (C) <u>COLOR</u> (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE ZONE <div style="text-align: center;">Central</div> MERIDIAN <div style="text-align: center;">75th</div>	
TIDE STAGE REFERENCE <input type="checkbox"/> PREDICTED TIDES <input checked="" type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	WATER STAGE-OF-TIDE LEVEL	
80 EC 5803-5806	8/31/80	0853	1:15,000	Sta Duluth Minn 183.23 Ft	
REMARKS					
2. SOURCE OF MEAN HIGH-WATER LINE SHORELINE:					
The source of the shoreline is the photographs listed above in Item 1. The shoreline was compiled based on interpretation of photographs and represents the interface between the water surface and land features at the time of photography.					
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-01085	* TP-01086	None	None		
REMARKS * Map compiled under Job CM-8008					

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

HISTORY OF FIELD OPERATIONS

TP-01254

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY NOAA Ship PEIRCE	W. Simmons	Oct 1982
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	" " "
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	NA NA NA
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	NA NA NA
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	NA
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	NA
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED
8 Stations2. VERTICAL CONTROL IDENTIFIED
NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
80 EC 5803	Cut, Golf & Portable (Photo Pts.)		
80 EC 5804	Dogg & H2's (Photo Pts.)		
80 EC 5805	Cross & Trestle (Photo Pts.)		
80 EC 5807	BoI (Photo Pts.)		

3. PHOTO NUMBERS (Clarification of details)

NA

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

NA

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

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

7. SUPPLEMENTAL MAPS AND PLANS

NA

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

2 Horizontal Control folder Duluth MN-Superior Harbor, WI

6 Books - NOAA Form 76-109

NOAA FORM 76-36C
(3-72)

NOAA FORM 76-36D
(3-72)

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

RECORD OF SURVEY USE

TP-01254

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS

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	

SUMMARY
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The purpose of this survey is to provide for the compilation of contemporary shoreline data to be used in the production and maintenance of NOS nautical charts and to supplement future hydrographic surveys. This map covers the shoreline of the Nemadji River north of Toboggan Slide.

Photography was taken at 1:15,000 scale using the Wild RC-8(E) camera using color film. Date of photography is August 31, 1980.

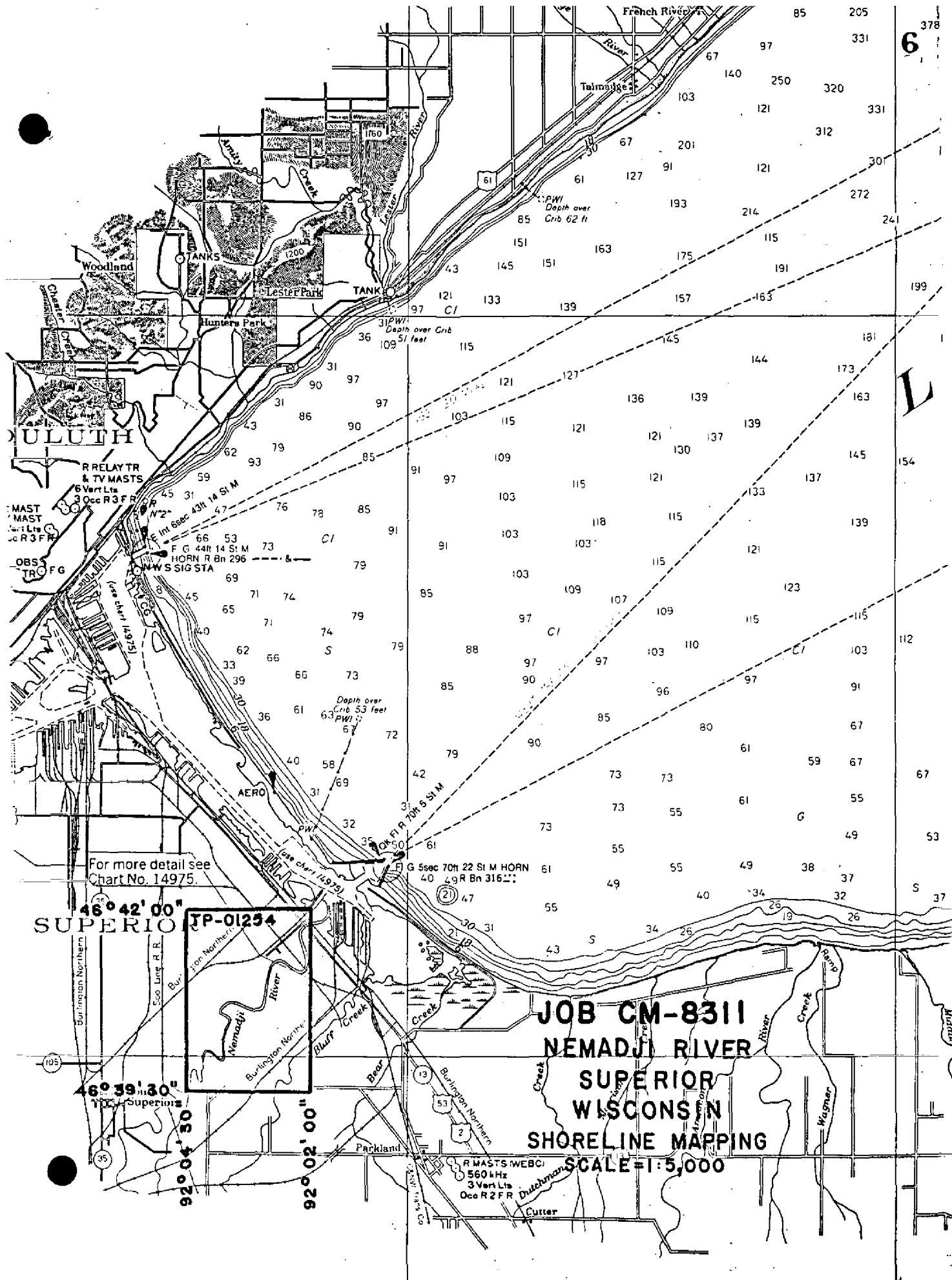
Field operations generally consisted of the recovery, establishment, and identification of geodetic control necessary for compilation. The geodetic control was established using Third-order Class I procedures and photo-identified on 1:15,000 scale natural color photographs. This work was performed by personnel from the NOAA Ship PEIRCE in October 1982.

One strip of 1:15,000 scale natural color photography was bridged using analytical aerotriangulation methods. Field photoidentified geodetic control points were used in the adjustment. The amount of aerotriangulated control proved adequate and met the National Standards of Map Accuracy.

Compilation was performed by the Coastal Mapping Unit, Rockville office. Delineation is based on office interpretation of the aerial photographs and was accomplished using stereo instrument methods. All line work is smooth compilation drafted.

Final review was performed by the Quality Control Unit, Rockville office. This map was found to be satisfactory and meets the National Standards of Map Accuracy.

This Descriptive Report contains all pertinent reports and listings of data required to complete the survey.



Field Operations
Job CM-8311

Field operations generally consisted to aerial photography and the recovery, establishment, and photoidentification of horizontal control necessary for aerotriangulation and/or compilation. Horizontal control work was performed by personnel from the NOAA Ship PEIRCE in October 1982.

Compilation Report
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Four photographs were bridged using analytic aerotriangulation methods. Horizontal control used was photoidentified. Elevation from U.S. Geological Survey quadrangles were used as vertical control. Sufficient image control points were established and met the National Standards for Map Accuracy. The amount of aerotriangulated control in addition to the photoidentified geodetic control proved adequate for instrument compilation.

31. Delineation

Delineation was accomplished using the Wild B-8 stereoplotter and is based on office interpretation of the bridged 1:15,000 scale natural color photographs.

32. Control

The identification, density, and placement of the horizontal control was adequate. Elevations from U. S. Geological Survey quadrangles were used for leveling the stereo models.

33. Supplemental Data - None

34. Contours and Drainage

Contours are not applicable.

35. Shoreline and Alongshore Details

The shoreline represents the water level at the time of photography. There was no field inspection of the shoreline performed.

36. Offshore Details

There were no unusual problems encountered in compiling offshore detail.

37. Landmarks and Aids - None

38. Control for Future Surveys - None

40. through 45. - Not Applicable

46. Comparison with Existing Maps

Comparison was made with one USGS quad; Superior, Wisconsin-Minnesota, scale 1:24,000, 1954 edition photorevised 1969.

47. Comparison with Existing Charts

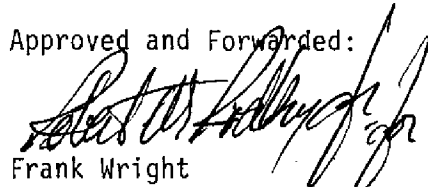
Comparison was made with Nautical Chart 14975, 26th Edition, April 1980, scale 1:15,000.

Submitted by,



C. Heazel

Approved and Forwarded:



Frank Wright
Chief, Coastal Mapping Unit

Review Report
TP-01254

61. General Statement

Refer to the Summary bound with this Descriptive Report.

62. Comparison with Registered Topographic Surveys - None

63. Comparison with Maps of Other Agencies

A comparison was made with USGS quadrangle:

Superior, Wisconsin-Minnesota, scale 1:24,000, 1954 edition
photorevised 1969

65. Comparison with Nautical Charts

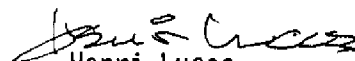
A comparison was made with the following charts:

14966, scale 1:120,000, 19th edition dated 1/5/83
14975, scale 1:15,000, 20th edition dated 4/26/80

66. Adequacy of Results and Future Surveys

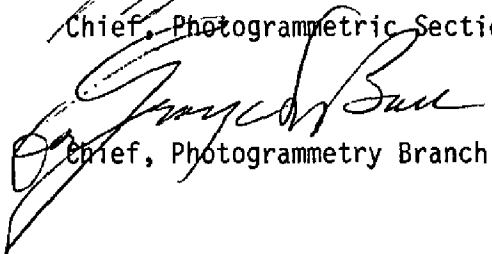
This map complies with the requirements for its purpose and meets the
National Standards of Map Accuracy.

Submitted by,


Henri Lucas

Approved and Forwarded:


Chief, Photogrammetric Section


Chief, Photogrammetry Branch

DISSEMINATION OF PROJECT MATERIALS

JOB CM-8311

NATIONAL ARCHIVES/FEDERAL RECORD CENTER

Brown Jacket:

Briding Photographs
6 Horizontal Books - NOAA Form 76-109
2 Horizontal Control Folders

BUREAU ARCHIVES

Final Map
Descriptive Report

REPRODUCTION DIVISION

8x Reduce Negative of Final Map

