

TP-00696

TP-00696

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h1>DESCRIPTIVE REPORT</h1>	
<i>Map No.</i> TP-00696	<i>Edition No.</i> 1
<i>Job No.</i> CM-7711	
<i>Map Classification</i> FINAL MAP	
<i>Type of Survey</i> SHORELINE	
<h2>LOCALITY</h2>	
<i>State</i> WASHINGTON	
<i>General Locality</i> SHILSHOLE BAY TO SAND POINT	
<i>Locality</i> SHILSHOLE BAY	
<div style="border: 1px solid black; padding: 5px; text-align: center;"> 19₇₇ TO 19₇₈ </div>	
<h2>REGISTERED IN ARCHIVES</h2>	
<i>DATE</i>	

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY

☒ ORIGINAL☐ RESURVEY☐ REVISED

SURVEY TP. 00696

MAP EDITION NO. (1)

MAP CLASS I

JOB ~~SM~~ CM-7711

PHOTOGRAMMETRIC OFFICE

Coastal Mapping Division,
AMC, Norfolk, VA

OFFICER-IN-CHARGE

Jeffery G. Carlen, CDR

LAST PRECEDING MAP EDITION

TYPE OF SURVEY

☐ ORIGINAL☐ RESURVEY☐ REVISED

JOB PH. _____

MAP CLASS _____

SURVEY DATES:

19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE

Aerotriangulation Oct. 26, 1977

Compilation Nov. 17, 1977

Amendment I Dec. 05, 1977

2. FIELD

Premarking April 20, 1977

Photography May 10, 1977

Supplement-I Oct. 3, 1977

II. DATUMS

1. HORIZONTAL:

☒ 1927 NORTH AMERICAN

OTHER (Specify)

2. VERTICAL:

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

OTHER (Specify)

3. MAP PROJECTION

Lambert Conformal Conic

4. GRID(S)

STATE

Washington

ZONE

North

5. SCALE

1:10,000

STATE

ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION	BY	S. Solbeck	Nov. 1977
METHOD: Analytic	LANDMARKS AND AIDS BY	J. Perrow	Nov. 1977
2. CONTROL AND BRIDGE POINTS	PLOTTED BY	S. Solbeck	Dec. 1977
METHOD: Coradomat	CHECKED BY	J. Perrow	Dec. 1977
3. STEREOSCOPIC INSTRUMENT	PLANIMETRY BY	R. R. Kravitz	Dec. 1977
COMPILATION	CHECKED BY	L. O. Neterer, Jr.	Dec. 1977
INSTRUMENT: Wild B-8	CONTOURS BY	N.A.	
SCALE: 1:10,000	CHECKED BY	N.A.	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	R. R. Kravitz	Jan. 1978
	CHECKED BY	J. Byrd	Feb. 1978
METHOD: Smooth-drafted	CONTOURS BY	N.A.	
	CHECKED BY	N.A.	
SCALE: 1:10,000	HYDRO SUPPORT DATA BY	R. R. Kravitz	Jan. 1978
	CHECKED BY	J. Byrd	Feb. 1978
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	J. Byrd	Feb. 1978
	BY	C. W. Goff	Dec. 1978
6. APPLICATION OF FIELD EDIT DATA	CHECKED BY	J. R. Minton	Dec. 1978
7. COMPILATION SECTION REVIEW	BY	D. Butler	Sept. 1983
8. FINAL REVIEW	BY	L. O. Neterer, Jr.	Apr. 1985
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	L. O. Neterer, Jr.	June 1985
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	P. Dempsey	Aug. 1985
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	E. DAUGHERTY	SEP 1985

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

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) (Focal length=152.74mm)

Wild R.C. - 10"B"

TYPES OF PHOTOGRAPHY
LEGEND

TIME REFERENCE

TIDE STAGE REFERENCE

☒ PREDICTED TIDES☐ REFERENCE STATION RECORDS☐ TIDE CONTROLLED PHOTOGRAPHY

(C) COLOR

(P) PANCHROMATIC

(I) INFRARED

ZONE

Pacific

☒ STANDARD

MERIDIAN

120°W

☐ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
77B(P) 7916 thru 7923	Aug. 1, 1977	15:30	1:30,000	6.1 ft. above MLLW
77B(P) 7904 thru 7911	Aug. 1, 1977	15:11	1:20,000	5.2 ft. above MLLW

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled from the above listed panchromatic photographs.

3. SOURCE OF MEAN LOW-WATER LINE:

No Mean Lower Low Water Line was 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 survey	TP-00648 1:5,000 scale*	No survey	No survey

REMARKS *TP-00647 is a 1:5,000 scale map inset within this map.

TP-00696

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION (Premarking) ☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Melby	Aug 1977
2. HORIZONTAL CONTROL	RECOVERED BY R. Melby ESTABLISHED BY None PRE-MARKED OR IDENTIFIED BY L. Riggers	Aug 1977
3. VERTICAL CONTROL	RECOVERED BY None ESTABLISHED BY None PRE-MARKED OR IDENTIFIED BY None	
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 <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY BY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED	PANELED	2. VERTICAL CONTROL IDENTIFIED	None
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
77B-7918	OLYMPIC 3, R.M.7, 1973		

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)

One Form 76-53

3a

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00696
HISTORY OF FIELD OPERATIONSI. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY		
2. HORIZONTAL CONTROL	RECOVERED BY R. Melby	Aug 1978
	ESTABLISHED BY R. Melby	Aug 1978
	PRE-MARKED OR IDENTIFIED BY None	
3. VERTICAL CONTROL	RECOVERED BY None	
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY None	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY R. Melby	Aug 1978
	LOCATED (Field Methods) BY R. Melby	Aug 1978
	IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION	
	<input type="checkbox"/> COMPLETE	
	<input type="checkbox"/> SPECIFIC NAMES ONLY BY	
	<input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY R. Melby	Aug 1978
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N.A.	

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)

77B(P)7904 thru 7910

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

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

Field Edit Report
One Film Ozalid with field notes
One filed book of field positionsNOAA FORM 76-36C
(3-72)

☆U.S. Government Printing Office: 1975 - 665-661/1110, Region No. 6

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.	Jan. 1978	Class III Manuscript	##	
Field edit applied compilation complete	Dec. 1978	Class I Manuscript	may 15, 1979	
Final Review	April 1985	Final Map		

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER (pages)	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
2		May 15, 1979	Landmarks and aids to be charted

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

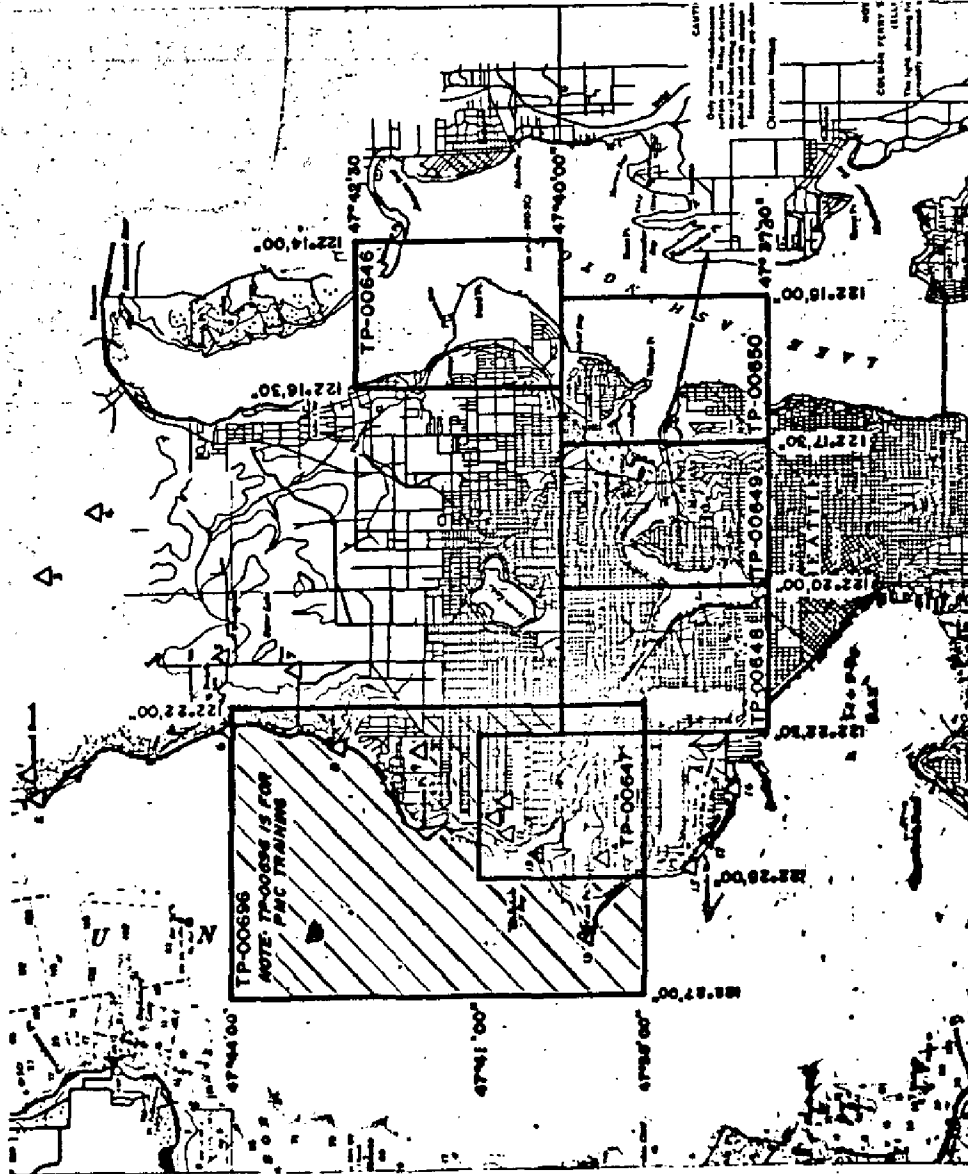
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
ACCOUNT FOR EXCEPTIONS:

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	

CM-7711
SHILSHOLE BAY TO SAND PT.
WASHINGTON
SHORELINE MAPPING
SCALE 1:5000 & 1:10,000



REVISED 8-30-77 K.W.
REVISED 4-23-85 D.B.

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00696

This 1:10,000 scale shoreline map is one of six maps that comprise project CM-7711, Shilshole Bay to Sand Point, Washington.

This project encompasses Sand Point, Washington on Lake Washington longitude 122°14'00" west including Lake Washington Ship Canal to Shilshole Bay longitude 122°27'00".

Photographic coverage was provided in August using the "B" camera (focal length 152.74 mm) with black and white panchromatic film at 1:30,000 scale for bridging and 1:20,000 for compilation.

Field work done prior to compilation was accomplished in two parts: first the premarking of horizontal control in August 1977, second the photoidentification of horizontal control in October 1977. They were done to meet requirements for aerotriangulation.

Analytic aerotriangulation was performed at the Washington Science Center in December, 1977.

Compilation was performed and hydrographic support photographs were prepared at the Atlantic Marine Center in April 1978.

Field edit was accomplished from May through August 1978.

The entire project was sent to the Pacific Marine Center in May 1978 with field edit being applied in December 1978.

Final Review was performed at the Atlantic Marine Center in April, 1985.

This Descriptive Report contains all pertinent data used to compile this final map.

The original base map and all pertinent data were forwarded to the Washington Science Center in May 1985.

FIELD INSPECTION

TP- 00696

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

PHOTOGRAMMETRIC PLOT REPORT
SHILSHOLE BAY TO SAND POINT
WASHINGTON
CM-7711

NOVEMBER 2, 1977

AREA COVERED

The area covered by this report is the eastern Puget Sound shoreline surrounding Shilshole Bay.

One 1:10,000 scale manuscript is submitted: TP-00696.

METHOD

One strip of 1:30,000 black-and-white panchromatic photography (77-B-7916-7921) was bridged by analytic aerotriangulation methods. Field identified control was provided.

Common points were located on the bridging photography and the 1:20,000 scale compilation photography for ratio purposes. Additional common points were located on the same photography to allow for B-8 stereo compilation.

Ratio prints have been ordered. The manuscript was ruled on the Coradomat.

ADEQUACY OF CONTROL

All control checked well within map accuracy standards.

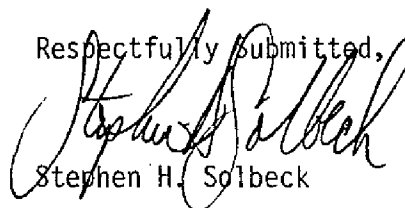
SUPPLEMENTAL DATA

USGS quadrangles were used to provide vertical control for the strip adjustment.

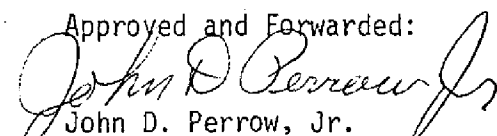
PHOTOGRAPHY

The coverage, overlap and quality of the photography proved adequate for the job.

Respectfully submitted,


Stephen H. Solbeck

Approved and Forwarded:


John D. Perrow, Jr.
Chief, Aerotriangulation Section

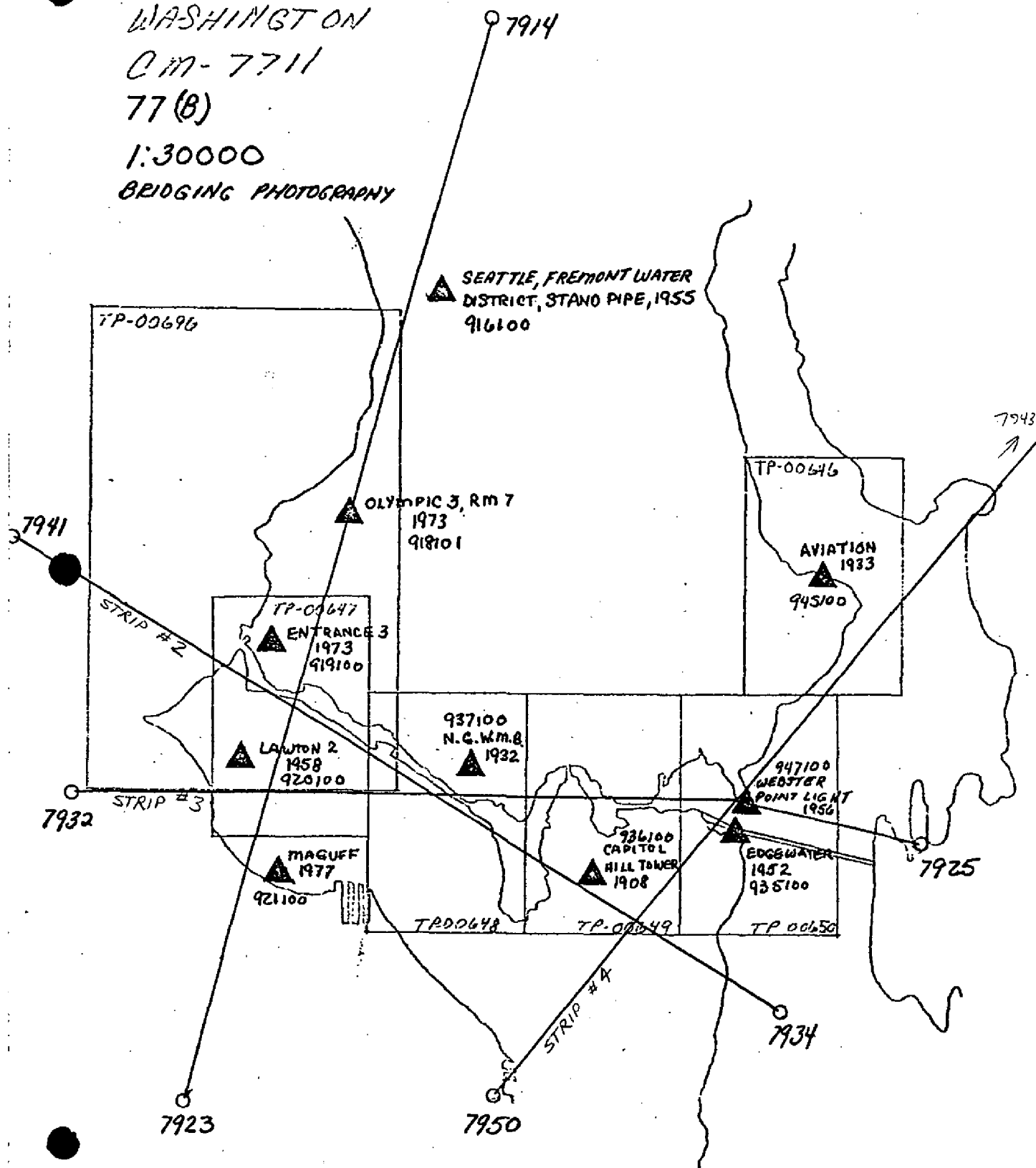
SHILSHOLE BAY TO SAND POINT WASHINGTON

CM-7711

77(B)

1:30000

BRIDGING PHOTOGRAPHY



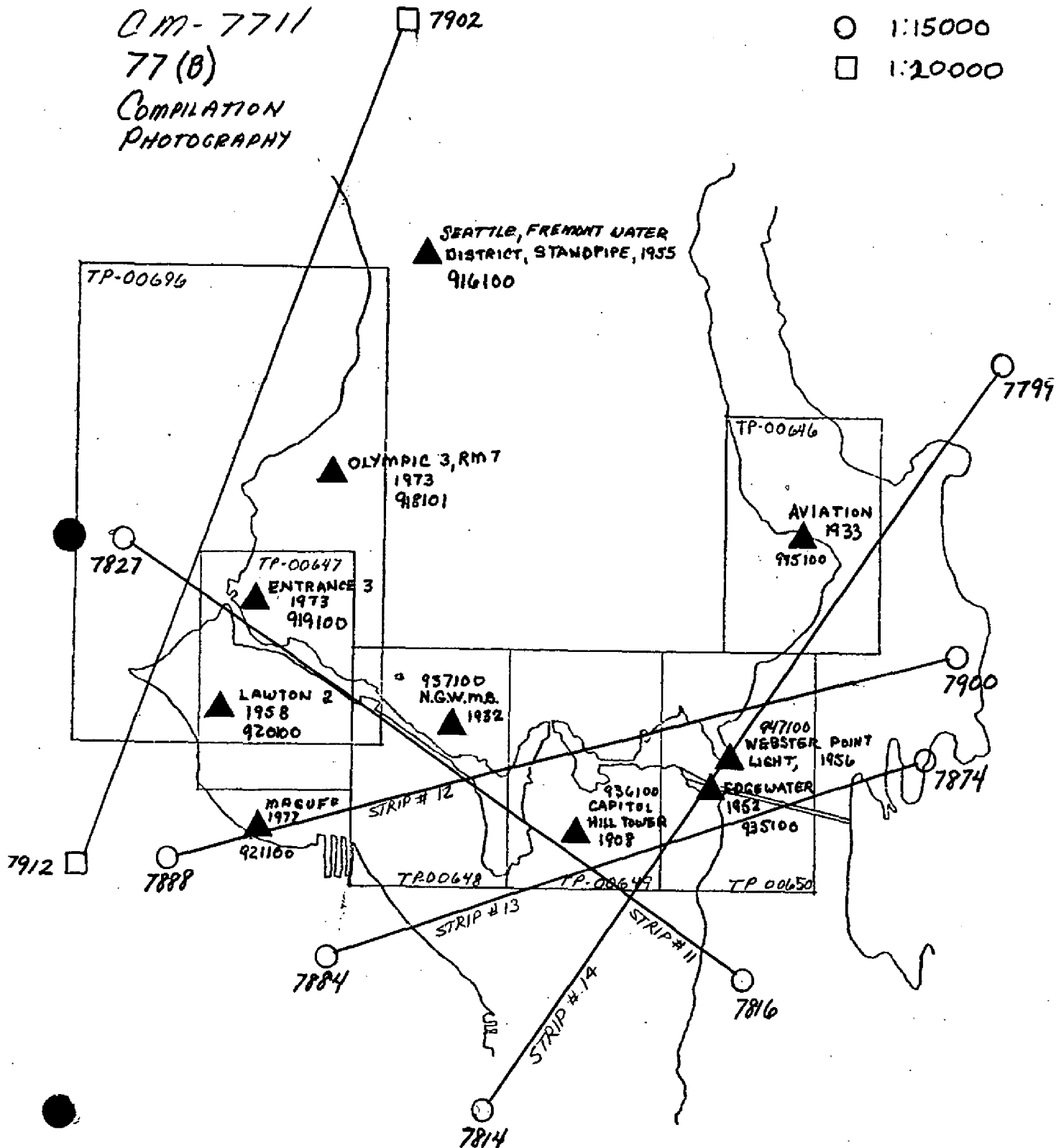
SHILSHOLE BAY TO SAND POINT WASHINGTON

CM-7711

77(8)

COMPILATION
PHOTOGRAPHY

○ 1:15000
□ 1:20000



COMPILATION REPORT

CM-7711

TP-00696

31 - DELINEATION

Delineation was by stereo instrument methods using the Wild B-8 stereoplotter with 1:20,000 and 1:30,000 scale panchromatic photographs. Coverage and quality of the photographs were adequate for compilation.

32 - CONTROL

The placement, identification, and accuracy of the aerotriangulated control, that was furnished for the express purpose of controlling the stereo-models, was adequate. Refer to the Photogrammetric Plot Report dated December 1977.

33 - SUPPLEMENTAL DATA

None.

34 - CONTOURS AND DRAINAGE

Contours are not applicable to the project. Drainage was delineated by the Wild B-8 stereoplotter.

35 - SHORELINE AND ALONGSHORE DETAILS

Refer to Form 76-36B, item 2 for delineation of the mean high water line.

Alongshore details were delineated using the Wild B-8 stereoplotter, and supplemented by office stereoscopic interpretation of the ratio photographs which were controlled with pass points that were selected and dropped during the stereo-instrument compilation of the shoreline and interior detail.

36 - OFFSHORE DETAILS

None.

37 - LANDMARKS AND AIDS

There was one charted landmark and one charted nonfloating aid to navigation within the mapping limits of this manuscript. Both were located photogrammetrically.

38 - CONTROL FOR FUTURE SURVEYS

None.

TP-00696

39 - JUNCTIONS

Refer to the Compilation Sources, Form 76-36B, item 5.

40 - HORIZONTAL AND VERTICAL ACCURACY

Refer to the Photogrammetric Plot Report dated December 1977.

46 - COMPARISON WITH EXISTING MAPS

A comparison was made with U.S. Geological Survey quadrangles: Shilshole Bay, Washington, scale 1:24,000, dated 1949, photorevised 1968 and Seattle North, Washington, scale 1:24,000, dated 1949, photorevised 1968.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with National Ocean Survey Charts: 18446, 8th edition, scale 1:25,000, dated Nov. 29, 1975 18447, 15th edition, scale 1:25,000 (with a 1:10,000 scale inset), dated February 19, 1977.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

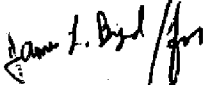
ITEMS TO BE CARRIED FORWARD

None.

Submitted by,


Robert R. Kravitz
Cartographic Technician

Approved,



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

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7711 (Puget Sound, Washington)

TP-00696

Blue Ridge (locality)

Puget Sound

Burlington Northern (RR)

Seattle

Loyal Heights

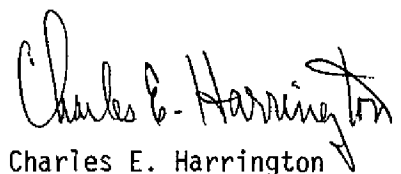
Shilshole Bay

Meadow Point

West Point

Pipers Creek

Approved by:

Charles E. Harrington
Chief Geographer
Nautical Charting Division

FIELD EDIT REPORT

SHILSHOLE BAY TO SAND POINT, WASHINGTON

MAY - AUGUST 1978

Map Manuscripts TP-00647, TP-00648, TP-00649, TP-00696

Project CM-7711

FIELD EDIT REPORT
SHILSHOLE BAY TO SAND POINT, WASHINGTON
MAY - AUGUST 1978
Map Manuscripts TP-00647, TP-00648, TP-00649, TP-00696
Project CM-7711

The field edit was originally assigned to the Ship DAVIDSON, but due to scheduling they were unable to finish. PMC Photo Party was then assigned the completion of the job.

The entire shoreline was inspected by using a small boat. Both a copy of the field edit sheet print and the photographs were used. If a discrepancy was noted, it would be compared with the photograph to see if it could be resolved that way. Several piles and dolphins were located this way.

All inquiries on the Master Field Edit Ozalids were answered. One statement asks for a recovery note on all of the control stations on each manuscript. This was altered as PMC has gone to the TENCOL (Terminal Entry Command Language) system and the recovery note (Form 76-165) is no longer used. At the time of this report the recovery notes and/or descriptions have not been sent to Rockville over the terminal, however, to aid the compiler, all those stations which have been recovered will have a statement to that effect on the Master Field Edit Ozalid. There were some recovery notes written in 1977. A copy of those will be sent with this report.

A copy of the field positions for new control completed in 1977 and 1978 will be sent with this report. Some control work was done in Lake Union by PMC personnel in 1975. This will also be sent with this report.

Adequacy of Compilation:

The extent and accuracy of the maps appear to be reasonably complete. Considering the congestion in the area, the compiler did a good job.

Some new piers, piles and dolphins were found that were constructed after the photography was taken. Plot plans were ~~were~~ obtained for most of the new piers. Corresponding features were marked on the plans and photographs to aid the compiler in orienting the plans with the shoreline. Other piers and dolphins were located with fixes and/or sketches. This information will be found in the sketchbook that will be submitted with the field edit data.

All fixed aids to navigation were located and/or verified. See the appropriate form 76-40.

All landmarks were checked in the field for their authenticity. See the appropriate form 76-40

Purple ink was used to indicate corrections on the Master Field Edit Ozalid. Green ink was used to indicate deletions. Red ink was used on the photographs.

There was a considerable lack of signs along the shoreline to indicate cable crossings and/or pipeline crossings. The Telephone Company, Seattle City Light, Seattle Sewer Department and the Seattle Water Department were all contacted to locate their crossings. These are indicated on the Master Field Edit Ozalid.

Information pertinent to each manuscript will be discussed under each listed manuscript number.

TP-00649

Two new piers and seven dolphins have been constructed since the photography was taken. A plot plan for the pier at St. Vincent de Paul was obtained. A building that is on both the plot plan and the photograph was indicated for aid in compiling this feature. The seven dolphins were located by setting a theodolite over a compiled photo point (the corner of a pier) and angles turned to two controlled intersection stations to the dolphins. Distance was obtained by stadia. This information is in the sketchbook.

The other pier was located by a three point fix at the south end of the pier. The information needed is in the sketchbook under Item 1.

TP-00648

Four new piers were built since the photographs were taken. Plot plans were obtained for Items 8 and 9.

Items 3 and 7 were sketched. See the sketchbook.

Several dolphins and piles were obscured by shadows at the northeast end of the George Washington Memorial Bridge. The position for these dolphins and piles was computed by the field editor. See attached computations sketchbook under Item 2.

TP-00647

On the Master Film Edit Ozalid the longitude line on the upper right hand corner is labeled as $122^{\circ} 30' 00''$. It should read $122^{\circ} 22' 30''$.

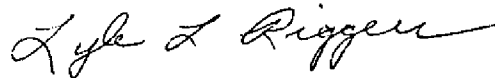
There are two small new piers in the Fisherman's Terminal area that have been built since the photographs were taken. See under Item 4 in the sketchbook.

TP-00696

There are several piles in ruins not on the manuscript or on the photograph. These were positioned with a theodolite three-point fix with angles and stadia distances to the piles. The records are on three sketchbook sheets. The three-point fix was computed by the field editor.

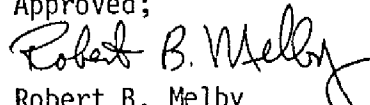
On the north shore at West Point there are several rocks that were not charted. These were located by setting a theodolite over a control station (SHAY, 1977) and taking angles and stadia distances to the rocks. The records are on a sketchbook page.

Respectfully submitted,



Lyle L. Riggers
Surveying Technician

Approved;



Robert B. Melby
PMC Photo Party CPM 133

REVIEW REPORT
SHORELINE

TP-00696

61 - GENERAL STATEMENT

See Summary included with this report.

62 - COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Not applicable.

63 - COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with U.S.G.S. quadrangles: Seattle North, Washington and Shilshole Bay, Washington; both are dated 1949, photorevised 1968 and 1:24,000 scale.

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with a registered copy of hydrographic survey H-9744, scale 1:10,000 dated March through November 1978 and February through April 1980.

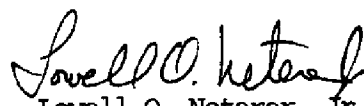
65 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS Charts: 18447, 21st edition, dated April 1984, scale 1:10,000 and 1:25,000 18446, 12th edition, dated January 14, 1984, scale 1:25,000.

66 - ADEQUACY OF RESULTS AND FUTURE SURVEYS

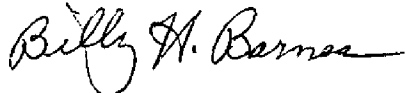
This map complies with Project Instructions and meets the requirements for National Standards of Map Accuracy.

Submitted by


Lowell O. Neterer, Jr.
Final Reviewer
March 14, 1985

TP-00696

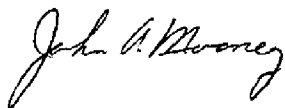
Approved for forwarding



Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved

Chief, Photogrammetric Section,
Rockville




Chief, Photogrammetry Branch,
Rockville

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	
POSITIONS DETERMINED AND/OR VERIFIED	
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW	
ACTIVITIES	
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	ORIGINATOR <input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
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 III. 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.

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW	OFFICE ACTIVITY REPRESENTATIVE
ACTIVITIES	<input type="checkbox"/> REVIEWER <input type="checkbox"/> 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 (Cont'd) 8. 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
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	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.
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

TP-00696

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]