NOAA FORM 76-35 (6-80)

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

DESCRIPTIVE REPORT

Map No.	· · · · · · · · · · · · · · · · · · ·	Edition No.
TP-	-00650	1
Job No.		
	- 7711	
Map Classificat	ion	
FIN	NAL MAP	
Type of Survey		
SHC	ORELINE	
	LOCALIT	Υ
State		
WAS	SHINGTON	
General Localit	у	
SHI	LSHOLE BAY TO SAI	ND POINT
Locality		
UNI	ON BAY	
		•
1		
	19 77 TO 1	0.70
l	17 // 10 1	7 /8
<u> </u>		
	OKTEDED IN A	OCHIVES.
l KE	GISTERED IN A	יארטואב?
DATE		
]		

NOAA FORM 76-36A (3-72) NATIONAL	U. S. DEPARTMENT OF COMMERCE L OCEANIC AND ATMOSPHERIC ADMIN.	TYPE OF SURVEY	SURVEY TP. 00650
	. COLDING AND ALBOYFIELD NUMBER	S ORIGINAL	MAP EDITION NO. (1)
DESCRIPTIVE RE	PORT - DATA RECORD	RESURVEY	MAP CLASS Final
		REVISED	лов №СМ-7711
PHOTOGRAMMETRIC OFFICE		-	
Coastal Mapping Divi	ision	1	ING MAP EDITION
AMC, Norfolk, Virgin		TYPE OF SURVEY	JOB PH
OFFICER-IN-CHARGE		D RESURVEY	MAP CLASS SURVEY DATES:
		REVISED	19TO 19
Jeffrey G. Carlen		(
I. INSTRUCTIONS DATED			
1.	OFFICE	2.	FIELD
Aerotriangulățion	October 26, 1977	Premarking	April 20, 1977
Compilation	November 17, 1977	Photography	May 10, 1977
Amendment I	December 05, 1977	Supplement	October 3, 1977
11. DATUMS		<u> </u>	
		OTHER (Specify)	
1. HORIZONTAL:	XX 1927 NORTH AMERICAN		
	MEAN HIGH-WATER	OTHER (Specify)	ŀ
2. VERTICAL:	MEAN LOW-WATER	.	nart datum (Low Water
Z, VERTICAL:	MEAN LOWER LOW-WATER	of the Lake is Sea	ttle MLLW plus
	MEAN SEA LEVEL	20.00 feet.)	
3. MAP PROJECTION			GRID(S)
7 1 ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	•	STATE	ZONE
Lambert Conformal Co	onic	Washington STATE	North
1:5,000		STATE	ZUNE
III. HISTORY OF OFFICE OPER	ATIONS	<u> </u>	<u></u>
	ERATIONS	NAME	DATE
I. AEROTRIANGULATION	BY	S. Solbeck	Dec 1977
METHOD: Analytic	LANDMARKS AND AIDS BY		Dec 1977
2. CONTROL AND BRIDGE POIN			Dec 1977
метнор: Coradomat	CHECKED BY	J. Perrow	Dec 1977
3. STEREOSCOPIC INSTRUMEN	T PLANIMETRY BY	R. Kravitz	Mar 1978
COMPILATION	CHECKED BY		Mar 1978
INSTRUMENT: Wild B-8	CONTOURS BY	 	
scale: 1:5,000	CHECKED BY	 	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	R. Kravitz	Apr 1978
	CHECKED BY	F. Margiotta	Apr 1978
метнор: Smooth draf	fted contours by		
	CHECKED BY	 	
scale: 1:5,000	HYDRO SUPPORT DATA BY		
<u> </u>	CHECKED BY	N.A.	
5. OFFICE INSPECTION PRIOR		F. Margiotta	Apr 1978
6. APPLICATION OF FIELD ED	BY DATA CHECKED BY	J. Yennie J. R. Minton	Oct 1978 Dec 1978
7. COMPILATION SECTION REV		D. Butler	Nov 1983
8. FINAL REVIEW	ВУ	L. Neterer, Jr.	Mar.1985
9. DATA FORWARDED TO PHOT	TOGRAMMETRIC BRANCH BY	L. Neterer, Jr.	June 1925
10. DATA EXAMINED IN PHOTOG	GRAMMETRIC BRANCH BY	P. DEMPSEY	Aug. 1985
11. MAP REGISTERED - COASTA	L CHRICE CECTION BY	E DAUGHER TY	SED 1955

4. CONTEMPORARY	HYDROGRAPHIC SUF	RVEYS (List only those st	rveys that are sources for	or photogrammetric i	survey information.)
SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

5. FINAL JUNCTIONS			
NORTH	EAST	SOUTH	WEST
TP-00646	No survey	No survey	TP-00649
REMARKS			

NOAA FORM 76-36	c		NATIONAL OCEAN		ENT OF COMMERCE
		TP-00650	NATIONAL OCEAN	IIC AND ATMOSPHERI NATION	C ADMINISTRATION AL OCEAN SURVEY
		HISTORY OF FIELD	OPERATIONS		
			OI EKATIONS		
I. XX FIELD INSP	ECTION OPE	RATION FIEL	D EDIT OPERATION		
	OF	ERATION	N.	AME	DATE
1. CHIEF OF FIEL	D PARTY		R. Melby		Oct_1977
		RECOVERED BY	R. Melby		Oct 1977:
2. HORIZONTAL C	CONTROL	ESTABLISHED BY	None		
		PRE-MARKED OR IDENTIFIED BY	L. Riggers		Oct 1977
		RECOVERED BY	None	<u> </u>	
3. VERTICAL CON	NTROL	ESTABLISHED BY	None		
		PRE-MARKED OR IDENTIFIED BY	None		<u> </u>
	R	ECOVERED (Triangulation Stations) BY	R. Melby		Oct 1977
4. LANDMARKS AN AIDS TO NAVIG		LOCATED (Field Methods) BY	None		
		TYPE OF INVESTIGATION	R. Melby		<u> Oct 1977_</u>
		COMPLETE			}
5. GEOGRAPHIC N		SPECIFIC NAMES ONLY			
		₩ NO INVESTIGATION			
6. PHOTO INSPEC			None		
7. BOUNDARIES A	 -	SURVEYED OR IDENTIFIED BY	None		
II. SOURCE DATA		SORVETED ON IDENTIFIED DI	None		
1. HORIZONTAL		NTIFIED	2. VERTICAL CONT	TROL IDENTIFIED	
	Panele	d	None		
PHOTO NUMBER		STATION NAME	PHOTO NUMBER	STATION DE	SIGNATION
77B-7946	Webster	Point Light, 1956			
]]		
			1		
]		1		
	<u> </u>		<u> </u>		<u></u>
3. PHOTO NUMBE	RS (Clarificat	ion of details)			
3					
None	ND AIDS TO A	AVIGATION IDENTIFIED			
4. LANDMANKS A	NO AIDS TO F	AVIGATION IDENTIFIED			
•					
PHOTO NUMBER		OBJECT NAME	PHOTO NUMBER	OBJECT	NAME
77D 7046	F-7- %	n Diine Timbe			
77B-7946	webste	r Póint Light			
	[
			1		
	I		1		

5. GEOGRAPHIC NAMES: REPORT XX NONE 6. BOUNDARY AND LIMITS: REPORT XX NONE
7. SUPPLEMENTAL MAPS AND PLANS

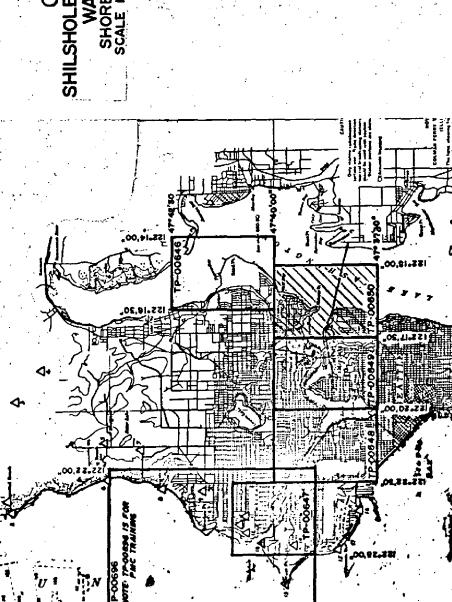
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

2 Forms 76-53, 1 Form 155

None

NOAA FORM 76-36C (3-72)	·	TP-00650 History of Field		EANIC AND ATMOSPHERI	ENT OF COMMERCE C administration al ocean survey
I. TI FIELD INSPE	CTION OPER	ATION X FIEL	DEDIT OPERATIO	DN .	
	OPI	ERATION		NAME	DATE
1. CHIEF OF FIEL	DPARTY		C. W. Haye	\$	May 1978
		RECOVERED BY	L. F. Haas		May 1978
2. HORIZONTAL C	ONTROL	ESTABLISHED BY	None		
		PRE-MARKED OR IDENTIFIED BY	L. F. Haas		<u> May 1978</u>
		RECOVERED BY	None		
3. VERTICAL CON	TROL	ESTABLISHED BY	None		
	· · · · · · · · · · · · · · · · · · ·	PRE-MARKED OR IDENTIFIED BY	None L. F. Haas		May 1978
4. LANDMARKS AN		COVERED (Triangulation Stations) BY	L. F. Haas L. F. Haas		May 1978
AIDS TO NAVIG		LOCATED (Field Methods) BY	L. F. Haas		May 1978
		TYPE OF INVESTIGATION	L. I. IIUUS		11dy 1376
5. GEOGRAPHIC N.	AMES	COMPLETE	•		
INVESTIGATION		SPECIFIC NAMES ONLY	Į		
		NO INVESTIGATION			
6. PHOTO INSPECT	FION	CLARIFICATION OF DETAILS BY	L. F. Haas		May 1978
7. BOUNDARIES A	ID LIMITS	SURVEYED OR IDENTIFIED BY	None		
II. SOURCE DATA		NT.FIND	A WEDTICAL C	ANTROL (DENTIFIED	
1. HORIZONTAL C	ON I ROL IDE	NIFIED	ſ	ONTROL IDENTIFIED	
None			None		
PHOTO NUMBER		STATION NAME	PHOTO NUMBER	STATION DES	SIGNATION
3. PHOTO NUMBER	S (Clasifianti	on of details)	<u> </u>		
77B(P)7806	•	•			
4. LANDMARKS AN	D AIDS TO N	AVIGATION IDENTIFIED			<u> </u>
PHOTO NUMBER		OBJECT NAME	PHOTO NUMBER	dalect	NAME
77B(P)7807	Webster	Point Light, 1956			
5 GEOGRAPHS ::	AMEC	T DODGE TO THE TOTAL TOT	4 pourse	<u> </u>	The state of the s
 GEOGRAPHIC N SUPPLEMENTAL None 		PLANS	6. BOUNDARY	AND LIMITS: REPO	RT X NONE
A OTHER FIELD	ECOPDS 401-	etch books, etc. DO NOT list data submit	ted to the Const	District	
Field Edit Field Edit	Ozalid	кся воока, etc. VU NU I list d ata submit	ted to the Geodesy	Division)	

NOAA FOR (3-72)		r		ATIONAL OCE	EANIC #			NT OF COMMERCE ADMINISTRATION
) . 	±1 _k		TP-00650 DRD OF SURVE	Y USE				
I. MANUSC	CRIPT COPIES							
		MPILATION STAGE				 		PT FORWARDED
	DATA COMPILED	DATE	RE	EMARKS		MARINE C	CHARTS	HYDRO SUPPORT
	ation complete	March 1978	Class III	Manuacini				
репати	A mend edic	March 15.5	C1000 111	Manuacti	Dr.			
	ēdit applied ation complete	Oct. 1978	Class I Ma	ennecript	. l	Mav 1	5,1979	
COMPTE	ACTOR COMPTON	000. 25.2	Ciass	IIIuou _{JE} -		Pater	3145.	
Final l	Review	Mar. 1985	Final Map					
II. LANDM	ARKS AND AIDS TO NAVIGA	TION						
	ORTS TO MARINE CHART DI		DATA BRANCH					
NUMBER (pages	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED			REM	ARK\$		
1	1	1	1	_				
2			l each of:	. Landma:	<u>rks a</u>	and Naut	<u>tical</u>	Aids
. }	l	1	ļ					
	 	 	 		·			
								
2.	REPORT TO MARINE CHART	T DIVISION, COAST	PH OT BRANCH.	DATE FORW	ARDED			
	REPORT TO AERONAUTICAL							
	RAL RECORDS CENTER DAT							
1. <u>kx</u>	BRIDGING PHOTOGRAPHS;	NE DUPLICATE	E BRIDGING REPO	RT; CO)MPUTE	R READOU	JTS.	
2. KX	CONTROL STATION IDENTI	IFICATION CARDS;	FORM NOS	S 567 SUBMIT	TTED BY	Y FIELD PA	ARTIES.	
3.	SOURCE DATA (except for G ACCOUNT FOR EXCEPTION	Geographic Names Re						
· 4 🗆] DATA TO FEDERAL RECOR	RDS CENTER. DAT	TE FORWARDED:					<u> </u>
IV. SURVE	EY EDITIONS (This section s.	 		p edition is rep				
	SURVEY NUMBER	JOS NUMBE			_	TYPE OF S	-	SURVEY
SECOND	5 4 7 5 6 5 NU 6 7 6 5 4 5 1	_ (2) PH		4	L. n	VISED MAP CL	-	URVEY
EDITION	DAIR OF PROSESSION	TA DATE OF	IELD EUI.	<u>□</u> ,,	П.,,	MAP CL		FINAL
	SURVEY NUMBER	JOB NUMBE				TYPE OF S		LI Finas
THIRD	TP	_ (3) PH	1	1	_	VISED		SURVEY
EDITION				1	-	MAP CL		
· 			!	<u>□</u>	n			FINAL
	SURVEY NUMBER	JOB NUMBE	.R			TYPE OF S	_	
FOURTH				1	LAEV	VISED	∐ RES(ÜRVEY
EDITION	DATE OF PHOTOGRAPH	HY DATE OF FI	ELD EDIT	l n	Π	MAP CL		Π



SHILSHOLE BAY TO SAND P.
WASHINGTON
SHORELINE MAPPING

REVISED 4-30-77 KW.

SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT

TP-00650

This 1:5,000 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 1977 using the "B" camera (focal length 152.74 mm) with black and white Panchromatic film at 1:30,000 scale for bridging and 1:15,000 scale 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. This was done to meet the 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 completed during May 1978.

The entire project was sent to the Pacific Marine Center in May 1978 and field edit application was completed there in December 1978.

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

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

The original base map and all pertinent data were forwarded to the Washington Science Center for final registration.

FIELD INSPECTION

TP-00650.

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.

CM~7711

DECEMBER 1977

AREA COVERED

The area covered by this report is the shoreline surrounding the Washington Ship Canal, which bisects Seattle and links Puget Sound (Shilshole Bay) to Lake Washington (Sand Point).

Five 1:5,000 scale manuscripts are submitted: TP-00646 to TP-00650. TP-00696 was previously submitted.

METHOD

Four strips of 1:30,000 black-and-white panchromatic photography were bridged by analytic aerotriangulation methods. Field identified control was provided.

Common points were located on the bridging photography and the 1:15,000 scale compilation photography for ratio purposes. Additional common points were located on the same photography to allow for B-8 stereo compilation. Tie points were used to insure adequate junctioning of the bridging photography during the strip adjustments.

Ratio prints have been ordered. Manuscripts were ruled on the Coradomat.

Strips 77-B-7916-7921 (1:30,000) and 77-B-7905-7909 (1:20,000) were previously submitted upon their completion of the photogrammetric procedures described above.

ADEQUACY OF CONTROL

All control checked well within map Accuracy Standards.

SUPPLEMENTAL DATA

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

PHOTOGRAPHY

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

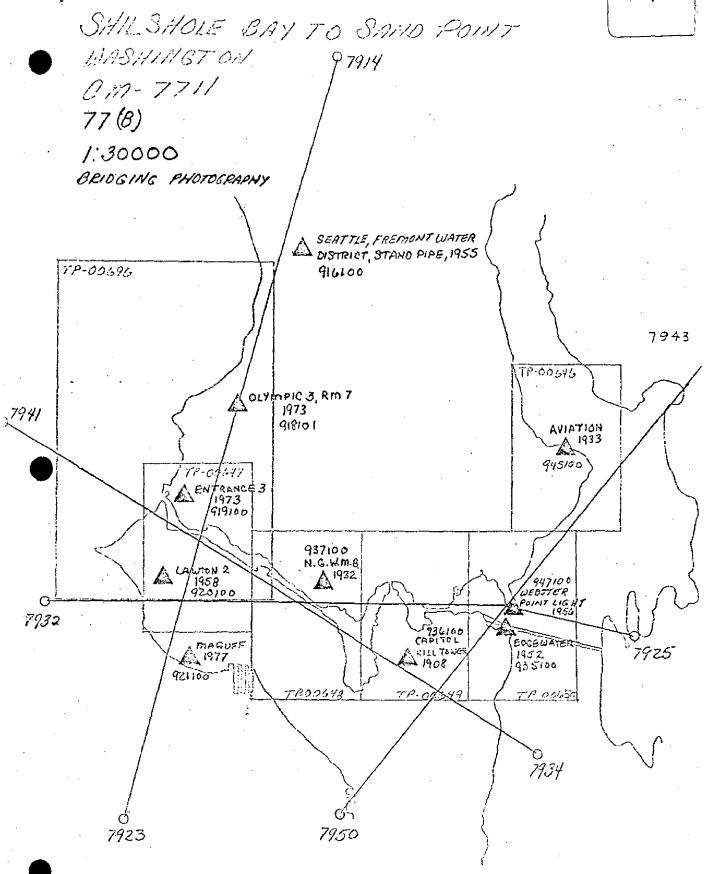
Approved and Forwarded:

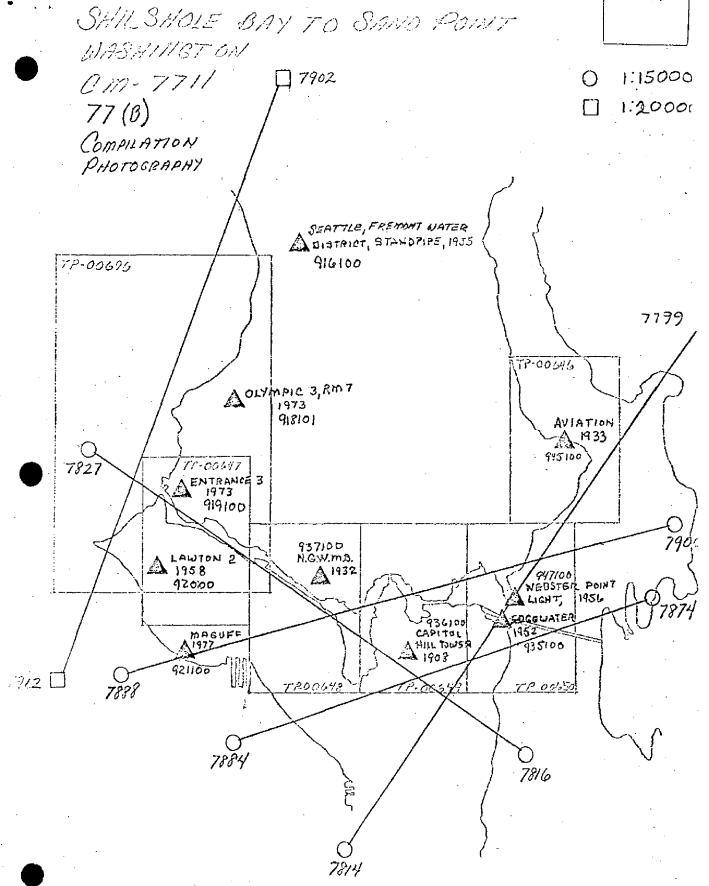
John D. Perrow, Jr.

Chief, Aerotriangulation Section

ADEQUACY OF CONTROL CM-7711

		Х	Υ Υ
STRIP 1			
	916100 916101 918101 919101 920101 921101	+.420 164 +.584 227 540 +.393	-1.195 + .044 314 + .511 578 + .337
STRIP 2			
	935101 935102 936101 937101 937102 921101 919101 920101 921101	+.027293 +1.496 -1.341 +.046194099 +.358 +.062	835 + .226 + .730 -1.665 +1.151 + .623 + .279 510 + .956
STRIP 3	٠ .		
	947100 935101 935102 936100 936101 937101 937102	071 352 +.170 -2.826 +.440 -1.173 +.988	+ .991 + .678 -1.920 -1.731 + .151 -1.082 +1.181
STRIP 4			•
	945101 945102 935101 935102 947100 936100 936101	000 -2.819 000 +1.301 +1.030 +.001 +.237	001 -1.164 000 +1.072 +2.062 + .002 + .746





ļ		
l		
l		
l		
l		
İ	ı.i	
	OLETE.	
ı	50 2	
l	9	
l	9	
Ì	ģ	
l	₹	
I	ő	
ĺ	10	
l	2-71 EDITION	
ļ	1	
١	4	
Į	76.	
	DAA FORM 76-41	
l	ĭ	
l	ð	
İ	ž	
ļ		
1	ERSI	
	ij	
ł	w	
١		
۱		
١		
ĸ		

NOAA FORM 76-41 (6-75)		DESCRIPTIV	DESCRIPTIVE REPORT CONTROL RECORD		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
MAP NO. TP-00650	LOB NO. CM-7711		GEODETIC DATUM N.A. 1927	ORIGINATING ACTIVITY Photogrammetric	viry tric Branch, P.M.CC.
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	coordinates in FEET stars Washington zone North	GEOGRAPHIC POSITION	REMARKS
Edgewater, 1952	Washington' 'King County	935100	χ: Λ:	φ 47°38'34.498" ′ λ 122°16'36.897" ′	
Sacred Heart Church, Cross, 1934	Washington/ King County	33 ′	/ X=		
Sacred Heart, Tank, 1934 /	Washington/ King County	927140	x = h	φ 47°39'48.040" < λ 122°16'17.081" <	
Seattle, Madison Park, Water Tank, 1952	Washington' King County	948140	χ= η=	φ 47°37'54.66"~ λ 122°17'26.69"~	
Webster Point Light, 1956′	Washington King County	947100	χ= η=	φ 47°38'51.942"~ λ 122°16'29.264"~	
			x= y=	Φ <	
			X= X	• <	
	•		= x = 7	• ~	
			X= U=	**	
			χε	* ~	
COMPUTED BY A. C. Rauck, Jr.		DATE 01/06/78	COMPUTATION CHECKED BY F. P. Margiotta		DATE 01/06/78
LISTED BY J. MOLOP HAND PLOTTING BY		02/15/78 DATE	LISTING CHECKED BY L. O. Neterer, Jr. HAND PLOTTING CHECKED BY		DATE DATE
		SUPERSEDES	SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE	HICH IS OBSOLETE.	
					1

COMPILATION REPORT CM-7711 TP-00650

31 - DELINEATION

Delineation was by instrument method using the Wild B-8 stereoplotter and 1:15,000 scale panchromatic photographs. Coverage and quality of the photographs were adequate for compilation.

32 - CONTROL

The placement, identification, and accuarcy of the aero-triangulated 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

Alongshore details were delineated by 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 were 3 charted landmarks and 1 charted nonfloating aids to navigation within the mapping limits of this manuscript. All of these were located photogrammetrically.

TP-00650

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

Refer to the Data Record, Form 76-36B, item 5 of the Descriptive Report concerning junctions..

40 - HORIZONTAL AND VERTICAL ACCURACY

See Item #32.

46 - COMPARISON WITH EXISTING MAPS

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

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with National Ocean Survey Chart 18447, scale 1:25,000 (and 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

March 28, 1978

Approved by

Albert C. Hauck, Jr.

Chief, Coastal Mapping Section

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7711 (Puget Sound, Washington)

TP-00650

Evergreen Point Bridge (cultural).

Seattle

Foster Island

Union Bay

Lake Washington

Webster Point

Laurelhurst

Wolf Bay

Madison Park (locality)

Approved by:

Charles E. Harrington Chief Geographer Nautical Charting Division

Field Edit Report TP-00650, S-N203-DA-78 Lake Washington/Union Bay, Wa.

METHODS

Field edit of sheet TP-00650 was accomplished in accordance with the project instructions for S-N203-DA-78, the survey of Lake Washington and the Ship Canal, dated 9 January 1978, and with PMC OPORDER and the NOAA publication Field Edit Surveys. Field investigation and verification of compiled features was conducted on 8 May and 25 May 1978 (JD's 128 and 145), from a Boston whaler running just offshore. A paper discrepancy print and cronapaque photos of the area (photos 77B(P) 7806 through 7809) were taken into the field for comparison with existing features. Many items not compiled were found on the photos by close inspection. Those items not visible on the photos were located by three-point sextant fix while the skiff was tied up to the object in question. Data for these four fixes is included in this report package rather than a sounding volume.

Water heights during field edit operations were monitored by the Army Corps of Engineers at the Hiram S. Chittenden Locks in Seattle, Washington. On both days of field work the Lake was at a level of +1.9 feet over the standard datum (20.0 ft above MLLW). See the Water Level Note for project S-N203-DA-78.

The weather was clear and warm and the water was calm during field work on 8 May, with visibility through the water more than 15 feet. On 25 May, the weather was clear and sunny with a 15 kt. south wind, making the Lake very choppy and reducing water visibility to 3 to 5 feet.

Data collected during field investigations is represented on the master film ozalid of sheet TP-00650, and on the cronapaque ratio photos 77B(P) 7806, 77B(P) 7807, 77B(P) 7808, and 77B(P) 7809.

ADEQUACY AND COMPLETENESS OF COMPILATION

The manuscript was adequate and mostly complete as compiled. Many pilings easily visible on the photos were not compiled throughout the area. It is now complete with field edit applied. The entire manuscript has been field examined and verified.

MANUSCRIPT ACCURACY

The manuscript is accurate as compiled. Photo-picked signals were quite adequate for location of several piles and a pier ruin on the south shore of Union Bay and the east shore of Lake Washington south of the Ship Canal. Fix positions were compared to photo positions for accuracy checks.

RECOMMENDATIONS

The manuscript was not complete as submitted to the ship; many items easily visible on the photos were left off the compiled sheet. This may have been due to the high priority placed on compilation of the sheets for this project, resulting in less-than-complete manuscripts. However, much field work was required to correct and fill in the manuscript.

Submitted by,

Linda F. Naas

Linda F. Haas ENS, NOAA Approved and forwarded by

C. William Hayes CDR, NOAA

Commanding Officer

REVIEW REPORT SHORELINE

TP-00650

61 - GENERAL STATEMENT

See Summary included with this report.

62 - COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Not applicable.

63 - COMPARISONS WITH MAPS OF OTHER AGENCIES

A comparison was made with U.S.G.S. Quadrangle: Seattle North, 1:24,000 scale dated 1949, photorevised 1968.

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with registered copies of hydrographic surveys H-9742, scale 1:10,000, dated February through June 1978 H-9747, scale 1:5,000, dated March through July 1978.

65 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following N.O.S. Chart: 18447, 21st edition, dated April 1984, scale 1:10,000 and 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 22, 1985

Approved for forwarding,

Billy H. Barnes

Chief, Photogrammetric Section

Approved

Chief, Photogrammetric Section,

Rockville

Chief, Photogrammetry Branch,

Rockville

Original to Charts 05/15/79

AC MOOR A FORM 74						7040	200000000000000000000000000000000000000	4.000	7. 4.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.
(8-74)		; ;	¥ z	TIONAL OCEAN	C AND AT	MOSPHERIC /	DMINISTRATION	HYDROGRAPHIC PARTY	KRTY .
Replaces C&GS Form 567.		MONETICATIMEXAMS OR LANDMARKS FOR CHARTS	ANDWARKS	FOR CHAR	2			GEODETIC PARTY PHOTO FIELD PARTY	<u>}</u>
XTO BE CHARTED TO BE REVISED	Photogr	Branch Washi	raте Washington	Shilshole Sand Point	Bay to	. 0.	DATE 10/30/78	COMPLETION ACTIVITY FINAL REVIEWER COAST PLOT REANCH	IVITY 1. B. REVIEW GRP.
The following objects	1=	been inspected from seaward to determine their value as landmarks	n seaward to de	stermine their v	alve as la	andmarks.		(See reverse for responsible personnel)	ible personnel)
OPR PROJECT		SURVEY NUMBER	DATUM North	American 1927	927		MOLTANO PER OF 1 OCATION	NOIL TOO I SO S.	
S-N303	CM-7711	TP-00650		POSITION			(See instructions on reverse side)	on reverse side)	CHARTS
CHARTING	DESCRIPTION (Record reason for deletion of lendmark or aid to navidation.	N SN rk or aid to navigation.	LAT	LATITUDE //	LONGITUDE	JOE	OFFICE	FIELD	AFFECTED
¥ ¥ Z	Show triengulation station names, where applicable, in parentheses)	re applicable, in parenth	0 (8080	D.M. Meters	`	D.P. Meters			
CROSS	(Sacred Heart Church Cross,	ross, 1934)	47°39'	49.882 25	22°16'	20,225		Triang. Rec. 05/15/78	18447
TANK	(Sacred Heart Church Tank, 1934)	Fank, 1934)	47°39'	48.040	.91°22	7.081		Triang. Rec. 05/15/78	18447
TANK	(Seattle, Madison Park Tank, 1952)	Park Water	47°37'	54.66 122	22°17'	26.69		Triang. Rec. 05/15/78	18447
			· · · · · ·		<u> </u>		}		
					I				
					<u> </u>				
			·						
	-								
					 _		•		
				1	1	-			

-			
	RESPONSIBLE PERSONNEL	PERSONNEL	
TYPE OF ACTION	NAME		ORIGINATOR
			PHOTO FIELD PARTY
			HYDROGRAPHIC PARTY
OBJECTS INSPECTED FROM SEAWARD	C.F. INC		GEODETIC PARTY
			OTHER (Specify)
	C.F. HASS		FIELD ACTIVITY REPRESENTATIVE
	J.D. YENNIE		OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL			REVIEWER
AND REVIEW GROUP AND FINAL REVIEW			QUALITY CONTROL AND REVIEW GROUP
ACTIVITIES			REPRESENTATIVE
=	INSTRUCTIONS FOR ENTRIES UNDER METHOD AND DATE OF LOCATION	ETHOD AND DATE OF LOCATION'	
	(Consult Photogrammetric Instructions No. 64,	c Instructions No. 64,	
OFFICE IDENTIFIED AND LOCATED OBJECTS	 .	FIELD (Cont'd)	mmetric field positions** require
Enter the number and date (including month,	(including month,		method of location or verification,
day, and year) of the photograph used to	tograph used to	-	field work and number of the photo-
identify and locate the object.	ject.	graph used to loca	ed to locate or identify the object.

EXAMPLE:

75E(c)6042

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

Vis - Visually

Verified

Located

Triangulation 5 - Field identified 6 - Theodolita

Traverse

Planetable

Resect ion Intersect ion

Sextant

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.

> graph used to locate or identify the object. EXAMPLE: P-8-VEXAMPLE:

8-12-75 74L(c)2982

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

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

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

NOAA FORM 76-40 (8-74)

SUPERSEDES NOAA FORM 76-40 (2-71) WHICH IS OBSOLETE, AND EXISTING STOCK SHOULD BE DESTROYED UPON RECEIPT OF REVISION.

ጵ 0. S. GPO:1975-0-665-080/1155

① Original to Charts 05/15/79

NOAA FORM 76-40					U.S	DEPARTMENT	OF COMMERCE	ORIGINATING ACTIVITY	CTIVITY
(8-74)		MANAMENT A LOCAMONA VANI	I TAN TAN WENCH	IONAL OCE	ANIC AND A	TMOSPHERIC A	DMINISTRATION	HYDROGRAPHIC PARTY	ARTY
Replaces C&GS Form 567		= 1	JWA KANSKI	-טא כחש	KIS			GEODETIC PARTY PHOTO FIELD PARTY	<u> </u>
X TO BE CHARTED	REPORTING	STATE	-	Chilcho	. ,,,cg, o,L	9	DATE	X COMPILATION ACTIVITY	וייודי
TO BE DELETED	ED PMC, Seattle, WA	ranch washington		Sand Point		3	10/30/78	QUALITY CONTROL & REVIEW GRP	L & REVIEW GRP.
The following objects	HAVE X HAVE NOT	been inspected from seaward to determine their value as landmarks	ward to det	ermine their	value as I	andmarks.		(See reverse for responsible personnel)	ible personnel)
OPR PROJECT	JOB NUMBER	SURVEY NUMBER	DATUM North	North American 1927	n 1927				
S-N303	CM-7711	TP-00650		POSITION	NO.		(See instructions on reverse side)	on reverse side)	CHARTS
	DESCRIPTION		LATITUDE	UDE	LONGITUDE	UDE			AFFECTED
CHARTING	(Record teason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in perentheses)	or aid to navigation. . applicable, in parentheses)	, ,	// D.M.Meters	,	// D.P. Meters	OFFICE	FIELD	
ГІСНТ	(Webster Point Light,	1956)	47°38'	51.942	122°16	29.264		Triang. Rec. 05/15/78	18447
							,		
						-			
			1		:	•			
				1	1				
						-1			
					1				
·			_						
			,		I				
					_		•		

	RESPONSIBLE PERSONNEL	PERSONNEL	
			X PHOTO FIELD PARTY
OBJECTS INSPECTED FROM SEAWARD	7. T. TRAS		GEODETIC PARTY OTHER (Specify)
	L. F. HASS		FIELD ACTIVITY REPRESENTATIVE
	J. D. YEWNIE		OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES			REVIEWER QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
	INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE O (Consult Photogrammetric Instructions No. 64,	OR ENTRIES UNDER METHOD AND DATE OF LOCATION (Consult Photogrammetric Instructions No. 64,	
	ATED OBJECTS		mmetric field positions** require method of location or verification,
identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	bject.	graph used to locate EXAMPLE: P-8-V 8-12-75 74L(C)2982	P-8-V 8-12-75 74L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols F - Field P - Photogrammet L - Located Vis - Visually	NED OR VERIFIED data by symbols as follows: P - Photogrammetric Vis - Visually	II. TRIANGULATION STATION RECOVERED When a landmark or aid which is angulation station is recovered Rec.' with date of recovery.	ON STATION RECOVERED mark or aid which is also a tri-station is recovered, enter 'Triang. date of recovery.
ation 5 -	Field identified Theodolite	8-12-75	•
1 1	Planetable Sextant	<pre>!!!. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date.</pre>	TUALLY ON PHOTOGRAPH
sitions*	require entry of method of of field work.	EXAMPLE: V-Vis. 8-12-75	
EXAMPLE: F-2-6-L 8-12-75		**PHOTOGRAMMETRIC FIELD POSITIONS entirely, or in part, upon cont	FIELD POSITIONS are dependent part, upon control established
*FIELD POSITIONS are determined vations based entirely upon gra	OSITIONS are determined by field obser- based entirely upon ground survey methods.	ætr	ods.

NOAA FORM 75-40 (8-74)

SUPERSEDES NOAA FORM 76-40 (2-71) WHICH IS OBSOLETE, AND EXISTING STOCK SHOULD BE DESTROYED UPON RECEIPT OF REVISION,

☆ U.S.GPO:1975-0-665-080/1155

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 Re-

		<u> </u>
		Full Part Before After Verification Review Inspection Signed Vis
		Drawing No.
		Full Part Before After Verification Review Inspection Signed Vi-
		Drawing No.
		Full Pan Before After Verification Review Inspection Signed Vis
		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.
		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.
		
<u> </u>		