#### 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-0647	1
Job No.		
<u> </u>	CM-7711	
Map Class		
	FINAL MAP	
Type of Su	ırvey	
	SHORELINE	
	LOCALIT	Y
State		**************************************
	WASHINGTON	
General L	ocality	
	SHILSHOLE BAY TO SAND	POINT
Locality		
	SALMON BAY	
ł		<del></del>
	1977 TO 19	981
	· · · · · · · · · · · · · · · · · · ·	
	REGISTERED IN A	RCHIVES
DATE		

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NOAA FORM 76-36A (3-72) NATIONA	U. S. DEPARTMENT OF COMMERCE L OCEANIC AND ATMOSPHERIC ADMIN	TYPE OF SURVEY	SURVEY TP. 00647
		☑ ORIGINAL	MAP EDITION NO. (1)
DESCRIPTIVE RE	PORT - DATA RECORD	RESURVEY	MAP CLASS Final
	,	REVISED	JOB - <b>RM-</b> <u>СМ-7711</u>
PHOTOGRAMMETRIC OFFICE	·	<del>                                     </del>	
Coastal Mapping Div	wieion	LAST PRECEEDI	
AMC, Norfolk, Virg		TYPE OF SURVEY	JOB РН
OFFICER-IN-CHARGE		ORIGINAL RESURVEY	MAP CLASS
		REVISED	SURVEY DATES:
Jeffrey G. Carlen		- KEVISED	191019
I. INSTRUCTIONS DATED			
	. OFFICE	· <del></del>	FIELD
Aerotriángulation	October 26, 1977	Premarking	April 20, 1977
Compilation	November 17, 1977	Photography	May 10, 1977,
Amendment I	December 5, 1977	Supplement	October 3, 1977
	•		
II. DATUMS			
1. HORIZONTAL:	XX 1927 NORTH AMERICAN	OTHER (Specify)	
	XX MEAN HIGH-WATER	OTHER (Specify)	<u></u>
===	MEAN LOW-WATER	Lake Washington cha	art datum (Low Water
2. VERTICAL:	MEAN LOWER LOW-WATER	of the Lake is Seat	
2	MEAN SEA LEVEL	20.00 feet!)	
3. MAP PROJECTION			RID(S)
		STATE	ZONE
Lambert Conformal Co	onic	Washington_	North
1:57000			
III. HISTORY OF OFFICE OPE	RATIONS		<u></u>
OF	PERATIONS	NAME	DATE
1. AEROTRIANGULATION	ВУ	S. Solbeck	Dec 1977
METHOD: Analytic	LANDMARKS AND AIDS BY	J. Perrow	Dec 1977
2. CONTROL AND BRIDGE PO	INTS PLOTTED BY	S. Solbeck	<u>Dec 1977</u>
METHOD: Coradomat	CHECKED BY	J. Perrow	<u>Dec 1977</u>
3. STEREOSCOPIC INSTRUMEN	T PLANIMETRY BY	R. Kravitz	<u>Mar_1978</u>
COMPILATION	CHECKED BY	2. 0. 1,000 202 / 02.	. Mar 1978_
INSTRUMENT: Wild B-8 scale: 1:5,000	CONTOURS BY		
4. MANUSCRIPT DELINEATION		N.A	
4			Mar 1079
	PLANIMETRY BY	R. Kravitz	Mar 1978
, -	PLANIMETRY BY CHECKED BY	R. Kravitz J. Byrd	Mar 1978 Apr 1978
метнов: Smooth dra:	PLANIMETRY BY CHECKED BY	R. Kravitz J. Byrd N.A.	
	PLANIMETRY BY  CHECKED BY  CONTOURS BY	R. Kravitz J. Byrd N.A.	
метнов: Smooth dra:	PLANIMETRY BY  CHECKED BY  CONTOURS BY  CHECKED BY	R. Kravitz J. Byrd N.A. N.A.	
	PLANIMETRY BY CHECKED BY CONTOURS BY CHECKED BY HYDRO SUPPORT DATA BY CHECKED BY	R. Kravitz J. Byrd N.A. N.A.	
scale: 1:5,000	PLANIMETRY BY CHECKED BY CONTOURS BY CHECKED BY HYDRO SUPPORT DATA BY CHECKED BY R TO FIELD EDIT BY BY	R. Kravitz J. Byrd N.A. N.A. N.A. J. Byrd C. W. Goff	Apr 1978 - Apr 1978 Oct 1981
scale: 1:5,000  5. OFFICE INSPECTION PRIOF  6. APPLICATION OF FIELD EI	FLANIMETRY BY  CHECKED BY  CONTOURS BY  CHECKED BY  HYDRO SUPPORT DATA BY  CHECKED BY  R TO FIELD EDIT  BY  DIT DATA  CHECKED BY	R. Kravitz J. Byrd N.A. N.A. N.A. J. Byrd C. W. Goff J. R. Minton	Apr 1978  Apr 1978  Oct 1981  Nov 1981
scale: 1:5,000  5. OFFICE INSPECTION PRIOF  6. APPLICATION OF FIELD EI  7. COMPILATION SECTION RE	FLANIMETRY BY  CHECKED BY  CONTOURS BY  CHECKED BY  HYDRO SUPPORT DATA BY  CHECKED BY  R TO FIELD EDIT  BY  DIT DATA  CHECKED BY  VIEW  BY	R. Kravitz J. Byrd N.A. N.A. N.A. J. Byrd C. W. Goff J. R. Minton D. Butler	Apr 1978  Apr 1978  Oct 1981  Nov 1981  Feb 1984
scale: 1:5,000  5. OFFICE INSPECTION PRIOF  6. APPLICATION OF FIELD EI  7. COMPILATION SECTION RE  8. FINAL REVIEW	FLANIMETRY BY  CHECKED BY  CONTOURS BY  CHECKED BY  HYDRO SUPPORT DATA BY  CHECKED BY  R TO FIELD EDIT  BY  DIT DATA  CHECKED BY  BY	R. Kravitz J. Byrd N.A. N.A. N.A. J. Byrd C. W. Goff J. R. Minton D. Butler L. O. Neterer, Jr.	Apr 1978  Apr 1978  Oct 1981  Nov 1981  Feb 1984  Apr 1985
scale: 1:5,000  5. OFFICE INSPECTION PRIOF  6. APPLICATION OF FIELD EI  7. COMPILATION SECTION RE	PLANIMETRY BY CHECKED BY CONTOURS BY CHECKED BY HYDRO SUPPORT DATA BY CHECKED BY R TO FIELD EDIT BY DIT DATA CHECKED BY VIEW BY BY STOGRAMMETRIC BRANCH BY	R. Kravitz J. Byrd N.A. N.A. N.A. J. Byrd C. W. Goff J. R. Minton D. Butler	Apr 1978  Apr 1978  Oct 1981  Nov 1981  Feb 1984  Apr 1985

NOAA FORM 76–36B (3–72)			NATIONAL OCEA	NIC AND ATM	OSPHERIC A	DMINISTRATIO
		TP-00647				OCEAN SURVE
	CO	APILATION SO	URCES	,		
1. COMPILATION PHOTOGRAPH	Y					
CAMERA(S) Wild RC - 10 "B"	(Focal length =152.74 mm)		PHOTOGRAPHY GEND		TIME REFER	ENCE
TIDE STAGE REFERENCE		(C) COLOR		ZONE		
PREDICTED TIDES		,(P) PANCHR	OMATIC	Pacific		XX STANDAR
REFERENCE STATION RECO		(I) INFRARE		MERIDIAN 120 <sup>0</sup> W		DAYLIGH
NUMBER AND TYPE	DATE	TIME	SCALE		STAGE OF 1	IDE
77 (P) 7825-7826	Aug 1, 1977	3.1 <b>1430</b>	1:15,000	3,4 1	ft above	MLLW
77 (P) 7823-7824	Aug 1, 1977	1430	1:15,000		Washingt n +0.57 1	on chart
				į		•
REMARKS Lake Union and		on chart da	tum (low wat	er of the	lake is	: Seattle
MLLW plus 20.0	U feet):					
2. SOURCE OF MEAN HIGH-WAT		vere compile	ed from the	above lis	sted	
2. SOURCE OF MEAN HIGH-WAT  The MHWL and 1.	ER LINE:	vere compile	ed from the	above lis	sted	
2. SOURCE OF MEAN HIGH-WAT  The MHWL and 1.	ERLIME: ake shoreline v		ed from the	above lis	sted	
2. SOURCE OF MEAN HIGH-WAT The MHWL and 1. photography.	ER CR MEAN LOWER LO		ed from the	above lis	sted	
2. SOURCE OF MEAN HIGH-WAT The MHWL and 1 photography.  3. SOURCE OF MEAN LOW-WATE	ER CR MEAN LOWER LO		ed from the	above lis	sted	
2. SOURCE OF MEAN HIGH-WAT The MHWL and 1 photography.  3. SOURCE OF MEAN LOW-WATE	ER CR MEAN LOWER LO		ed from the	above lis	sted	
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The MHWL and 1 photography.  3. SOURCE OF MEAN LOW-WATE	ER LINE:  ake shoreline v	OW-WATER LINE:				formation.)
The MHWL and 1 photography.  3. SOURCE OF MEAN LOW-WATE	ER LINE:  ake shoreline v	OW-WATER LINE:			tric survey ini	formation.)
2. SOURCE OF MEAN HIGH-WAT The MHWL and 1 photography.  3. SOURCE OF MEAN LOW-WAT! Not Applicable	ER OR MEAN LOWER LO	OW-WATER LINE:	that are sources fo	r photogramme	tric survey ini	
The MHWL and 1 photography.  3. SOURCE OF MEAN LOW-WATE  Not Applicable  4. CONTEMPORARY HYDROGRA SURVEY NUMBER DATE(S)	ER OR MEAN LOWER LO	OW-WATER LINE:  Only those surveys  PY USED SUR	that are sources fo	r photogramme DATE(S)	tric survey ini	COPY USED

U. S. DEPARTMENT OF COMMER CEANIG AND ATMOSPHERIC ADMINISTRAT
NATIONAL OCEAN SURV
ON
NAME DATE
Aug 1977
Aug 1977
Aug 1977
j
CONTROL IDENTIFIED
R STATION DESIGNATION
*
ER OBJECT NAME
AND LIMITS: REPORT X NONE
y Division)

NOAA FORM 76-36C (3-72)		P-00647 RY OF FIELD (		NIC AND ATMOSPHER	MENT OF COMMERCE RIC ADMINISTRATION NAL OCEAN SURVEY
1. TIELD INSPEC	TION OPERATION	X FIEL	DEDIT OPERATION		
	OPERATION		N	NAME	DATE
1. CHIEF OF FIELD	PARTY	ļ	R. Melby		Aug 1977
		RECOVERED BY	R. Melby		Aug 1977
2. HORIZONTAL CON		STABLISHED BY	None		1149
	PRE-MARKED OR I	IDENTIFIED BY	None		
	F	RECOVERED BY	None		
3. VERTICAL CONTE	ROL ES	STABLISHED BY	None		
	PRE-MARKED OR I	IDENTIFIED BY	None		
	RECOVERED (Triangulat	tion Stations) BY	R. Melby		Aug 1978
4. LANDMARKS AND	LOCATED (FIG	ield Methods) BY	None		
AIDS TO NAVIGAT	TION	IDENTIFIED BY	R. Melby		Aug 1978
	TYPE OF INVES			<u> </u>	
5. GEOGRAPHIC NAM		BY	1		
INVESTIGATION	<u>~</u>	NAMES ONLY	1		
	NO INVEST	IGATION		<u> </u>	
6. PHOTO INSPECTIO		OF DETAILS BY	R. Melby	. <u>.</u>	Aug 1978
7. BOUNDARIES AND	D LIMITS SURVEYED OR I	IDENTIFIED BY	L_N.A		
II. SOURCE DATA	TOO INCUTIFIED		2. VERTICAL CON	TOOL TOENTIETED	
I. HORIZONTAL CON	(TROL  DENTIFIED	1	Ī	TROL IDENTITIES	
None PHOTO NUMBER	STATION NAME		None	STATION DE	<u> </u>
77B (P) 782	6 (Clarification of details) 24-7825  AIDS TO NAVIGATION IDENTIFIE	ED			
PHOTO NUMBER	OBJECT NAME	· · · · · · · · · · · · · · · · · · ·	PHOTO NUMBER	OBJECT	T NAME
77B(P)7825   Ti   Si   77B(P)7825   Si   77B(P)7825   Ti   77B(P)7825   Si	raffic Lights Large L Saltwater Barrier Lt. Stop Signal Small Lock Traffic Signal Small L Stop Signal Large Lock Saltwater Barrier	No. 1 k Lock			
5. GEOGRAPHIC NAM	MES: REPORT X	X) NONE	6. BOUNDARY AND	D LIMITS: REPO	ORT NONE
7. SUPPLEMENTAL M					
	CORDS (Sketch books, etc. DO NO	T list data submitt	ed to the Geodesy Di	vision)	
Field Edit Rep					
One film ozal	id with field notes				
One field boo'	k of fixed positions				

(3-72)		HISTORY OF FIEI		NIG AND ATMOSPHER Natio	RIC ADMINISTRA NAL OCEAN SUF
1. TIELD INSP	ECTION OPERATION	XX F	IELD EDIT OPERATION		
	OPERATION		N N		DATE
1. CHIEF OF FIEL	D BARTY		Tomas Manag		
The Chile Por Field			James Masse	<u> </u>	Sept 19
2. HORIZONTAL C	ONTROL	RECOVERED :			<del></del>
Z. HORIZONTAL C		KED OR IDENTIFIED	<del> </del>	<del></del>	<del></del>
		RECOVERED			
3. VERTICAL CON	TROL	ESTABLISHED I	вү		<del>-</del>
	PRE-MAR	KED OR IDENTIFIED	ŧγ		
•	RECOVERED (7	riangulation Stations)	вү		
4. LANDMARKS AN		ATED (Pield Methods)	ву		
AIDS TO NAVIG		IDENTIFIED	ву		
		OF INVESTIGATION			
<ol><li>GEOGRAPHIC N INVESTIGATION</li></ol>			9Y		ļ
11112011411101	sr (	ECIFIC NAMES ONLY INVESTIGATION			
6. PHOTO INSPEC		ATION OF DETAILS	J. R. Minton		Sept 198
7. BOUNDARIES A		YED OR IDENTIFIED			Sept 190
II. SOURCE DATA	NO EIMITO JONVE	TED ON IDENTIFIED			
	ONTROL IDENTIFIED	i in Py	2. VERTICAL CON	TROL IDENTIFIED	
PHOTO NUMBER	STATION		PHOTO NUMBER	STATION DE	
	RS (Clarification of details)				
PHOTO NUMBER	OBJECT	NAME	PHOTO NUMBER	OBJE¢.	TNAME
5. GEOGRAPHIC N	AMES: REPORT	NONE	6. BOUNDARY AND	D LIMITS: REPO	ORT NON
	L MAPS AND PLANS				
8. OTHER FIELD F	RECORDS (Sketch books, etc.	c. DO NOT fist data su	bmitted to the Geodesy Di	ivision)	<del>_</del>
film fill	edit Ozalid				

NOAA FORM 76-36C 3-72)	HISTORY OF FIELD	NATIONAL OCEANIC	: AND ATMOSPHERI	ENT OF COMMERC C ADMINISTRATIO AL OCEAN SURVE
I FIELD INSPECTION O	PERATION XXFIEL	D EDIT OPERATION		
	OPERATION	NAI	ME	DATE
1. CHIEF OF FIELD PARTY				
	RECOVERED BY	Richard Minto	<u>n</u>	April 198
2. HORIZONTAL CONTROL	ESTABLISHED BY			
	PRE-MARKED OR IDENTIFIED BY			
	RECOVERED BY			
3. VERTICAL CONTROL	ESTABLIŞHED BY			<u> </u>
· · · · · · · · · · · · · · · · · · ·	PRE-MARKED OR IDENTIFIED BY			
	RECOVERED (Triangulation Stations) BY			<u> </u>
4. LANDMARKS AND AIDS TO NAVIGATION	LOCATED (Field Methods) BY			<del>-</del>
7.150 10 11/17/17/17	IDENTIFIED BY			<del> </del>
	TYPE OF INVESTIGATION			
5. GEOGRAPHIC NAMES INVESTIGATION	SPECIFIC NAMES ONLY			
	MO INVESTIGATION			
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	<del> </del>		<del> </del>
7. BOUNDARIES AND LIMIT	<del> </del>			<del>                                     </del>
II. SOURCE DATA		<u></u> .		<u> </u>
1. HORIZONTAL CONTROL	IDENTIFIED	2. VERTICAL CONTE	OL IDENTIFIED	
PHOTO NUMBER	ST A TION, NAME	PHOTO NUMBER	STATION DES	IGNATION
	•	]		
		!		
		1		
,				
3. PHOTO NUMBERS (Clarifi	cation of details)			
4. LANDMARKS AND AIDS T	O NAVIGATION IDENTIFIED			
4. LANDMARKS AND AIDS T	O NAVIGATION IDENTIFIED			
		Laura wwa za l	00.007	
4. LANDMARKS AND AIDS T	O NAVIGATION IDENTIFIED OBJECT NAME	PHOTO NUMBER	ОВЈЕСТ	NAME
		PHOTO NUMBER	ОВЈЕСТ	NAME
		PHOTO NUMBER	OBJECT	NAME
		PHOTO NUMBER	ОВЈЕСТ	NAME
		PHOTO NUMBER	ОВЈЕСТ	NAME
		PHOTO NUMBER	ОВЈЕСТ	NAME
		PHOTO NUMBER		

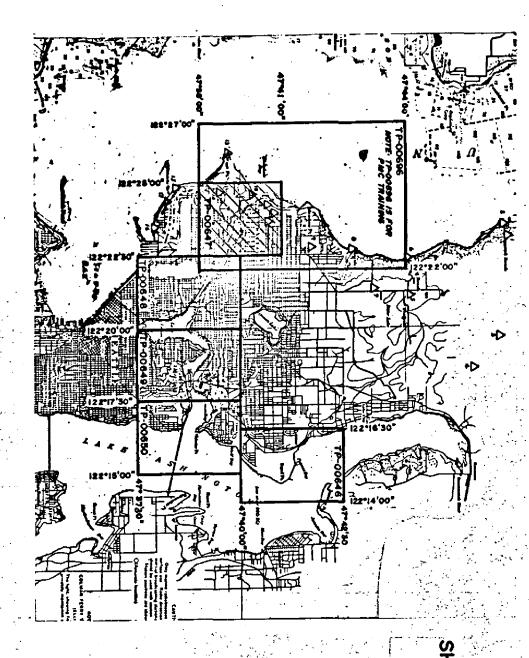
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

1 supplement field edit report

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

# TP-00647 RECORD OF SURVEY USE

		<del></del>	<del></del>					
I. MANUSCRIF	T COPIES		<del></del>					
·	Col	MPILATION STAGE				DATEMA	NUSCRI	PT FORWARDE
DAT	TA COMPILED	DATE	RE .	MARKS		MARINE C	HARTS	HYDRO SUPPO
					.		ł	
Compilat	ion complete.	April 1978	Class III	Manuscri	pt		ļ	
		<u> </u>						<del></del>
	ld edit applied.		<b>I</b>		ł		- {	
Compilat	ion complete.	Nov. 1978	Class I Ma	anuscript		May 15	1979	
1000	1001 finla nate	Nov. 1003						
	1981 field edit compilation comp		Class I Ma	annearin+		Aug. 29,	1985	
*abbiten	combitacton comb	Tere.	Crass I M	TUT SCT THE		- uj 5		
		•						
Final Re	view	April 1985	Final Map		ļ			
II. LANDMAR	KS AND AIDS TO HAVIGA	TION						
1. REPOR	TS TO MARINE CHART DI	VISION, NAUTICAL	DATA BRANCH		_			
NUMBER	CHART LETTER	DATE		· -	REMA	RKS		
(pages)	NUMBER ASSIGNED	FORWARDED						
,			<b>.</b>					
1		May 15,1979	Landmarks	to be ch	arted			
1		May <u>15,1979</u>	Aids to be	charted				
				· onarced		<del> </del>		
		•						
	<del></del>							
					_	-	<del>-</del> .	
2. [] REI	PORT TO MARINE CHART	DIVISION, COAST	PILOT BRANCH.	DATE FORW	ARDED:			
3. 🦳 REI	PORT TO AERONAUTICAL	CHART DIVISION,					ARDED:	
III. FEDERAL	RECORDS CENTER DAT	A	•	*				
, for		W		<b></b> 1577			T	
_	IDGING PHOTOGRAPHS; NTROL STATION IDENTI					READOU		
==	NIROL STATION IDENTI URCE DATA (except for G		<del></del>					
	COUNT FOR EXCEPTION		,	5551,641	,	J / G-00		
4. 🔲 DA	TA TO FEDERAL RECOR	DS CENTER. DAT	E FORWARDED:					
IV. SURVEY	EDITIONS (This section s			edition is reg				
	SURVEY NUMBER	JOB NUMBER			T □ REV	YPE OF S	URVEY	
SECOND	DATE OF PHOTOGRAPH	Y DATE OF FI			^=\	MAPCL	-	URVET
EDITION		, JA, E VF F		□ıı.	□m.	DIV.	.ass □v.	FINAL
<del></del>	SURVEY NUMBER	JOB NUMBER	<del></del>			YPE OF S		
THIRD	TP	(3) PH	<del></del> ,		REV	I\$ED	RES	URVEY
EDITION	DATE OF PHOTOGRAPH	<del>``\-</del>		_		MAP CL	ASS	
				ij		_ □ıv.		FINAL
	SURVEY NUMBER	JOB NUMBER	1		_	YPE OF S	_	
FOURTH	TP				∐ REV	ISED	∐ RESÜ	RVĖY
EDITION	DATE OF PHOTOGRAPH	Y DATE OF FI	ELD EDIT	<b>□</b> n.	П	MAP CL		П
	1	1		<u> </u>	<b>□</b> III.	□≀v.	LJV.	LIFINAL



WASHINGTON
SHORELINE MAPPING
SCALE 15000 & 110,000

REVISED 4-30-77 KW.

# SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT

#### TP-00647

This 1:5,000 scale shoreline map is one of six maps that comprise project CM-7711, Shilsole 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 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 accomplished twice. The first was from May through August 1978. The second field edit was done as a training operation at the Pacific Marine Center. This was accomplished in April 1980.

The entire project was sent to the Pacific Marine Center in May 1978 and field edit application was done in two parts: the first was applied in November 1978, the second in April 1980.

Final Review was performed at the Atlantic Marine Center in April 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- 006471

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.

#### PHOTOGRAPMETRIC PLOT REPORT SHILSHOLE BAY TO SAND POINT WASHINGTON

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.

#### DOHTSM

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 burboses. 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 77-8-7916-7921 (1:30,000) and 77-E-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.

A  $I \cap I$ 

Approved and Forwarded:

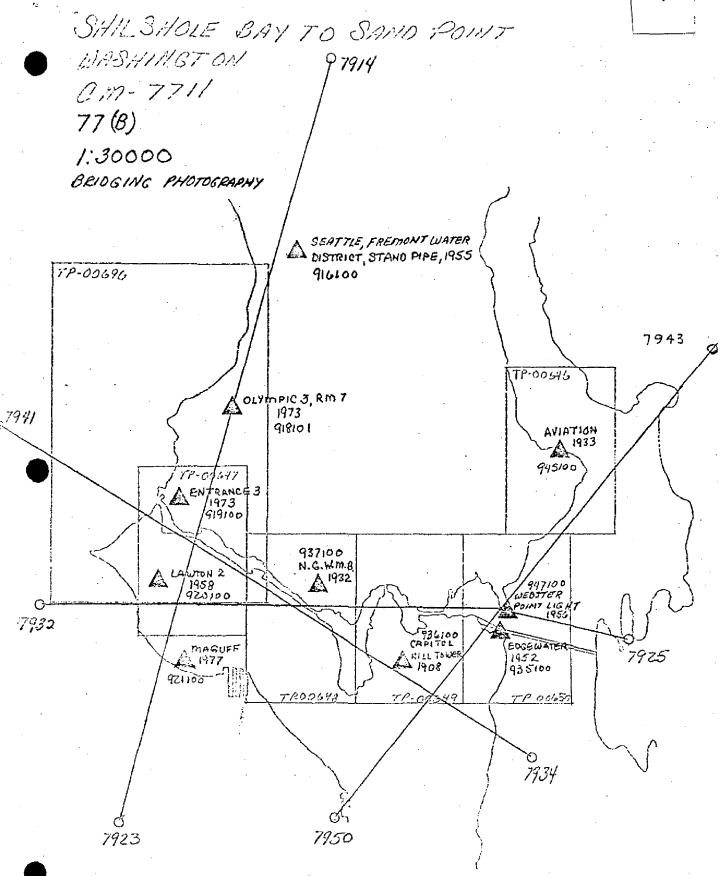
John D. Perrow, Jr.

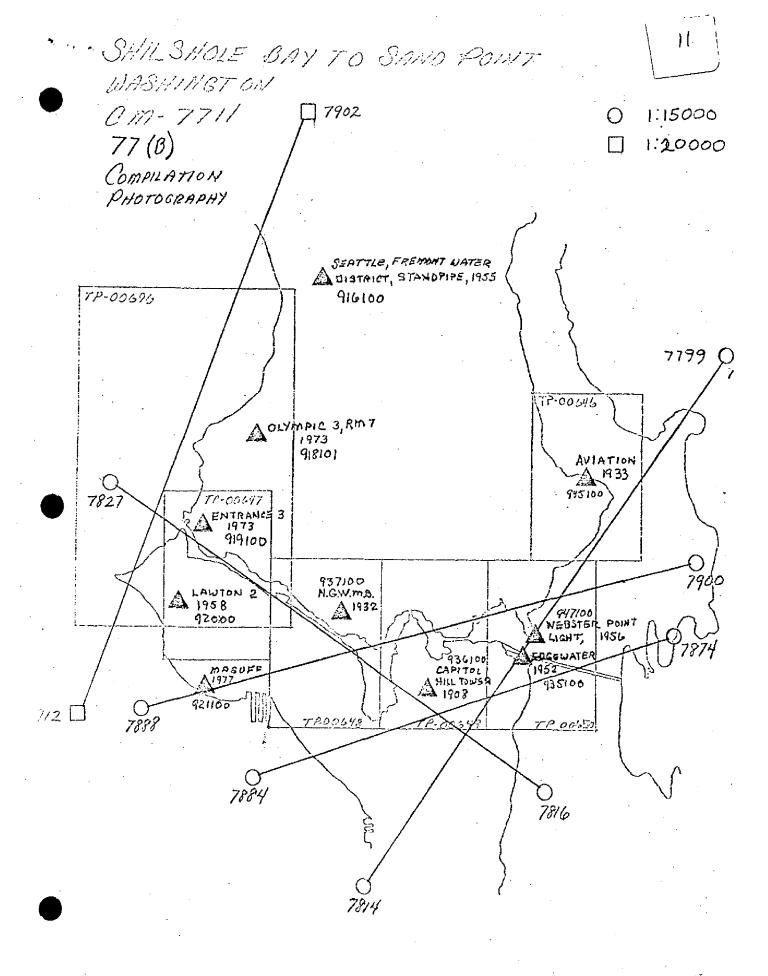
Chief, Aerotriangulation Section

110

# ADEQUACY OF CONTROL CM-7711

		X	Y
STRIP 1		•	•
	916100	+.420	-1.195
	916101	164	+ .044
	918101	+.584	314
	919101	227	+ .511
	920101	540	578
	921101	+.393	+ .337
STRIP 2		•	
	935101	+.027	835
	935102	293	+ .226
	936101	+1.496	+ .730
	937101	-1.341	-1.665
	937102	+.046	+1.151
	921101	194	+ .623
	919101	099	+ .279
	920101	+.358	510
	921101	+.062	+ .956
STRIP 3			
	947100	071	+ .991
	935101	352	+ .678
	935102	+.170	-1.920
	936100	-2.826	-1.731
	936101	+.440	+ .151
	937101	-1.173	-1.082
	937102	+.988	+1.181
STRIP 4	•		
	945101	000	001
	945102	-2.819	-1.164
	935101	000	000
	935102	+1.301	+1.072
	947100	+1.030	+2.062
	936100	+.001	+ .002
	936101	+.237	+ .746





NOAA FORM 76-41				s.u	U.S. DEPARTMENT OF COMMERCE
(6-75)				NATIONAL OCEANIC AND A	TMOSPHERIC ADMINISTRATIO
		DESCRIPTIV	TIVE REPORT CONTROL RECORD		
MAP NO. TP-00647	JOB NO. CM-7711		GEODETIC DATUM N.A. 1927	Photógrammetric	الانامية الانامية Branchamer.
			COODDINATES IN CEET	NOTE SOO OFFICE AND ADDRESS OF THE PARTY OF	
STATION NAME	SOURCE OF INFORMATION	AEROTRI- ANGULATION POINT NUMBER	state Washington zone North	φ LATITUDE  λ LONGITUDE	REMARKS
Seattle, Canal Locks Admin.		146	= X	\$ 47°39'57.771"	
Bldg., Flagpole, 1953	King County		β=	λ 122°23'44.116"	
•	Washington		=X	φ 47°39'31.031" /	
Lawton 2, 1958	King County	<del></del>	n=h	λ 122°24'40.555"	
Seattle, Halibut Oil Co.,	Washington	920402	<b>پ</b> ر د	\$ 47°39'40.476"	
Brick Stack, 1953	King County		ly=	λ 122°22'31,363"	
Seattle, Leif Erikson	Washington	919402	-χ	φ 47°40'44.959"	
Statue, 1965	King County		n=h	λ 122°24'18.674"	
Seattle USCG Capt. of the	Washington		=χ	φ 47°40'40,147"	
Fort House, (Rotating) Light, 1965			= <i>h</i>	λ 122°24'32.829"	
Shilshole Bay, Breakwater	Washi	919502	=χ	φ 47°40'38.526"	
Light, 1965	King County	•	=h	λ 122°24'38.867"	
Cutwance 3 1073	쁘	001010	=χ	\$ 47°40'17.398"	
ŝ	76-45	001616	h=	λ 122°24'33.078"	
	Washington		=χ	φ 47°39'28.2202"	
Surveillance Radar Tower, 195 <b>8</b>	King County	920404	j-	λ 122°24'42.5163"	
	,		=X	Φ	
			y=	٧	
			= <b>χ</b>	ф	
			n=	۲	
COMPUTED BY		DATE	COMPUTATION CHECKED BY		DATE
LISTED BY J. Moler		02/609/78	LISTING CHECKED BY I. Perkinson	nson	DATE 02/09/78
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		DATE

27.

MAP NO. TP-00647		DESCRIPTIV	TIVE REPORT CONTROL RECORD	ORD	
	LOB NO. CM-7711		GEODETIC DATUM N.A. 1927	ORIGINATING ACTIVITY DAG POTOTIVITY	VITY
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT	coordinates in Feet stars Washington	GEOGRAPHIC POSITION  ### ATTITUDE    1 PROPERTY   1 PROPE	REMAR
701 +42;   [[ch obj. 2 wow]	+		γ=	TOO COLONOL O	
Lower duide wait Light, 1977	76-45		χ - /γ		1
NO NO	-		χ=	φ 47°39'08.792" ~	
KK IdnK,	76-45		= <i>h</i>	λ 122°22'45.122"	<u> </u>
Shilshole Bay Entrance	Field Form		-χ=	φ 47°40'00,249"	
hange I one Light, 1977	76-43		<i>y=</i>	λ 122°24'06.447"	
Shilshole Bay Entrance	Field Form		#X	φ 47°39'54.198"	
Kange Kear Light, 19//	/6-45		η	λ 122°24'00.457"	
Shilshole Bay Inner Light,	Field Form		χ=	\$ 47°40'17.857"	
1977	76-45		y=	λ 122°24'26.768"	
	Field Form		メニ	φ 47°39'53.420"	
			ď≈	λ 122°23'23.539"	
			. =X	φ 47°40'35.682"	
Trinity M.E. Church, 1934	County		y≈	λ 122°23'02.103"	
			<i>χ</i> =	φ	
			<i>ή</i> =	γ	
			*χ	φ	
			<i>∄</i> =	γ	
			′ = χ	φ.	
-			n/a	۲	
COMPUTED BY C. GOFF		DATE 11/01/78	COMPUTATION CHECKED BY J.	R. Minton	DATE 11/01/78
LISTED BY C. GOFF		11/01/78	LISTING CHECKED BY	R. Minton	DATE 11/01/78
HAND PLOTTING BY C. GOFF		DATE 11/01/78	DATE HAND PLOTTING CHECKED BY J. R. Minton	R. Minton	DATE 11/01/78
		SUPERSEDES NO	DAA FORM 76-41, 2-71 EDITION WHI		7.0%

JAE.

#### COMPILATION REPORT CM-7711 TP-00647

#### 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 was 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 shoreline.

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 are seven landmarks and six nonfloating aids to navigation within the mapping limits of this manuscript. All were located photogrammetrically.

## 38. CONTROL FOR FUTURE SURVEYS

None.

#### COMPILATION REPORT (Cont'd.) CM-7711 TP-00647

#### 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 Quadrangle Shilshole Bay, Washington, scale 1:24,000, dated 1949, photorevised 1968.

#### 47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with National Ocean Survey Chart 18446, 8th edition, scale 1:25,000, dated November 29, 1975; 18447, 15th edition, scale 1:10,000, dated February 19, 1977; 18449, 8th edition, scale 1:25,000, dated March 13, 1976.

# ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

#### ITEMS TO BE CARRIED FORWARD

None.

Submitted by,

Robert R. Kravitz Cartographic Technician March 1978

Approved:

Albert C. Rauck Jr. Coastal Mapping Section

#### GEOGRAPHIC NAMES

# FINAL NAME SHEET

# CM-7711 (Puget Sound, Washington)

#### TP-00647

Ballard

Ballard Bridge (cultural)

Burlington Northern (RR)

Hiram M. Chittenden Locks (cultural)

Lake Washington Ship Canal

Salmon Bay

Seattle

Shilshole Bay

Sunset Hill (locality)

Approved by:

Charles E. Harrington Chief Geographer

Nautical Charting Division

Field Edit Report

TP-00647

Shilshole Bay to Sand Point

CM 7711

) B

The new additional field edit was accomplished by the PMC Photogrammetric Branch during Aug. 26-28 and Sept. 18th 1980.

The entire shoreline was inspected by using a small boat. Both a copy of the field edit sheet and the photographs were used. If a discrepancy was noted it was compared with the photographs to see if it could be resolved by photo identification. Several cases dealing with piles, dolphins, shoreline and pier configuration were corrected in this manner. Additional features were noted on six sketches attached to this report.

All inquiries on the Master Field Edit Ozalid were answered. Subm piles and ruins were not visable and need to be futher investigated by future field parties.

The manuscript appears to be reasonably complete and accurate, and the scale is adequate to show the complexity of the shoreline.

Several new rock positions in Shilshole Bay and the position of a large building were determined using a sextent, see the fix book for this information and attached sketches that are submitted with the field edit sheet.

No fixed aids to navigation or landmarks were addressed during the field edit.

Additional photography was obtained from the Corps of Engineers covering the waterway east of the Chittenden Locks. New pier facilities were added to the manuscript from this photography.

Respectfully submitted,

William A. Richter Cartographer

and

Respectfully submitted,

Richard Minton

Cartographic Technician

Approved,

James W. Massey Cartographer

Note, FLOATS ARE PERMANENT

Report of Supplemental Field Edit

TP-ØØ647

CM-7711

2

Previous efforts to locate rocks in the foreshore area of the southwest side of Shilshole Bay were not productive because the sextant fixes and check fixes failed to agree. Consequently, a planetable survey was executed on April 7 and 8, 1981 during low tides predicted to be lower than Mean Lower Low Water. The planetable was positioned by resection of the control listed on the attached abstracts and all work was accomplished on the field edit ozalid. Rock elevations were determined with a hand level stationed at the water line while the stadia was being observed. All times were Pacific Standard Time. The personnel involved walked and waded the foreshore in hip boots and used an aluminum skiff to occupy the rocks located. The planetable orientation was rechecked prior to takedown on both setups and the bull's-eye bubble remained centered thru the period of observation. No vertical angles were recorded, but the telescope was releveled frequently and no significant inclination of the instrument occured. A request for approved tides data for these two days will be submitted to the Chief of the Datums and Information Branch in Rockville.

Submitted by:

James R. Wintor-

James R. Minton Cartographic Technician

April 10, 1981

#### REVIEW REPORT SHORELINE

TP-00647

#### 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, dated 1949 photorevised 1968 and Kirkland Washington, 1950 photorevised 1968 and 1973; both are 1:24,000 scale.

#### 64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

There is no contemporary hydrographic survey within the limits of this map.

#### 65 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS 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 14, 1985

Approved for forwarding

Billy H. Barnes

Chief, Photogrammetric Section

Approved

Chief, Photogrammetric Section,

Řockville

Chief, Photogrammetry Branch

Rockville

Original to Charts 05/15/79

	Orrginal to cliarts	01/07/00							
NOAA FORM 76-40	40	,	7	POO TANOL	DINA DINA	S. DEPARTME	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	ORIGINATING ACTIVITY	CTIVITY
Replaces C&GS Form 567.		NONFLOATING AIDS OR LANDMARKS FOR CHARTS	MARKS	FOR CH	RTS			HYDROGRAPHIC PARTY CEODETIC PARTY PHOTO FIELD PARTY	ARTY .
CHECKING CHIXX	ľ	STATE		LOCALITY			DATE	KACOMPILATION ACTIVITY	IVITY
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TO BE DELETED		A Washington	uo:	Sand Point	oint		10/15/78	COAST PILOT BRANCH	NCH STATES
The following objects	ects H	been inspected from seaward to determine their value as landmarks.	ward to de	termine the	r value as	landmarks.		(See reverse for responsible personnel)	ible personnel)
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S-N 303	3 CM-7711	TP-00647	z	.A. 1927			METHOD AND DATE OF LOCATION	TE OF LOCATION	
				POSITION	NOI		(See instructions on reverse side)	on reverse side)	CHARTS
	DESCRIPTION		LATITUDE	JOE.	LONGITUDE	rude		-	AFFECTED
CHARTING	(Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	rk or aid to navigation. re applicable, in parentheses)	•	// D.M. Meters	•	// D.P. Meters	OFFICE	FIELD	
	LAKE WASHINGTON	SHIP CANAL			•				
		e Range Front	i	00.25	J	06.45		F-1-6-L	
LIGHT	Light, 1977)		47 40	8	122 24	134		1977	18447
	Ω	Range Rear		54.20		00.46		F-1-6-L	
LIGHT	Light, 1977)		47 39	1673	122 24	10		1977	18447
	(Shilshole Bay, Breakwater	ater Light,		38.526		38.867			18441
LIGHT	1965)		47 40		122 24			16 Aug. 1978	18447
<u> </u>	! !			36		26,77		F-1-6-L	( (
TUSTT	bay inner	Light, 1977)	4 / 40	552	122 24	558		1977	1844/
				07.281		10,555	·	iang.	
LIGHT	(Lower Guide Wall Light,	e, 1977)	47 40		122 24			16 Aug. 1978	18447
				53,420	•	23.539		Triang. Rec.	
LIGHT	(Upper Guide Wall Light,	t, 1977)	47 39		122 23			16 Aug. 1978	18447
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TYPE OF ACTION	NAME NAME	T COOKER C	ORIGINATOR
			EX PHOTO FIELD PARTY  HYDROGRAPHIC PARTY
OBJECTS INSPECTED FROM SEAWARD			GEODETIC PARTY
	N. D. METDY		FIELD ACTIVITY REPRESENTATIVE
FOST GRANDATERMINED AND/OR VERTITED	R. B. Melby		FIELD ACTIVITY REPRESENTATIVE
	C. W. Goff		OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL	İ		REVIEWER
AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES			QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
	INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE O	OR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64.	,
OFFICE		FIELD (Cont'd)	
<ol> <li>OFFICE IDENTIFIED AND LOCATED OBJECTS         Enter the number and date (including month, day, and year) of the photograph used to</li> </ol>	CATED OBJECTS e (including month, otograph used to	→ "5	Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photo-
identify and locate the EXAMPLE: 75E(C)6042	the bject.	graph used to locate EXAMPLE: P-8-V 8-12-75 74L(C)2982	to locate or identify the object. 3-8-V 3-12-75 74L(C)2982
FIELD  I. NEW POSITION DETERMINED OR VERIFIED  Enter the applicable data by symbols  F - Field  P - Photogrammet	ED OR VERIFIED data by symbols as follows: - Photogrammetric	<ol> <li>TRIANGULATION STATION RECOVERED When a landmark or aid which is angulation station is recovered</li> </ol>	ON STATION RECOVERED Imark or aid which is also a tri- station is recovered, enter 'Triang.
Vis	Vis - Visually	_ →	recovery. Rec.
1 1	Field identified Theodolite	8-12-75	
tion 7 - n 8 -	Planetable Sextant	<pre>III. POSITION VERIFIED VISUAL Enter 'V+Vis.' and date.</pre>	VERIFIED VISUALLY ON PHOTOGRAPH Vis.' and date.
A. Field positions* requ	Field positions* require entry of method of	EXAMPLE: V-Vis. 8-12-75	
	field work.		
EXAMPLE: F-2-6-L 8-12-75	-	**PHOTOGRAMMETRIC FIELD P	RIC FIELD POSITIONS are dependent in part, upon control established
*FIELD POSITIONS are determined by field obser-	ned by field obser-		ods.
l vations based entirely upon ground survey methods.	around survey methods.		

NOAA FORM 76-40 (6-74)

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

Original to Charts 05/15/79

OF1.	Original to Charts 05/15/79 NONFLOATING AIDS	TING AID	S GRXXXXXI	NAT ARKS	NATIONAL OCEANIC	U.S ANIC AND A	DEPARTMI	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION KSKFOR CHARTS	ORIGINATING ACTIVITY  HYDROGRAPHIC PARTY  GEODETIC PARTY	CTIVITY
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The following objects	HAVE NOT	been inspe	been inspected from seaward to determine their value as landmarks. SURVEY NUMBER TOATIM	ward to de	termine thei	r value as	landmarks.		(See reverse for responsible personnel)	ible personnel)
		7 V 300 - GE		N	N.A. 1927	_		METHOD AND DATE OF LOCATION	TE OF LOCATION	
Į,	TT//_ED	77	ř		POSITION	NO		(See instructions on reverse side)	on reverse side)	CHARTS
	DESCRIPTION	z		LATITUDE	TUDE	LONGITUDE	LUDE		-	AFFECTED
2 -	(Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	rk or aid to na re applicable,	vigation. In parentheses)	•	// D.M. Meters	•	// D.P. Meters	OFFICE	. FIELD	
	Traffic Lts., Large Lock and Sal Barrier Indicator Lt. No. 1 (Yel	and 1	Salt Water (Yellow)	47 40	04.00	122 24	05,54 116		P-5-L 16 Aug. 1978 77B(P)7825	18447
	Stop Signal, Small Lock	Ķ		47 39	56.12	122 23	59.24		P-5-L 16 Aug. 1978 77B(P)7825	18447
_	Stop Signal, Small Lock	木		47 39	55.37	122 23	40.66		P-5-L 16 Aug. 1978 778(P) 7825	18447
i '⊼' ii l	Stop Signal, Large Lock and Salt Barrrier Indicator Lt. No. 3 (Ye	k and Sa No. 3 (	alt Water (Yellow)	47 39	54.48	122 23	32.31		P-5=L 16 Aug. 1978 77B(P07825	18447
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8-12-75 *FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey methods.	A. Field positions* required to the location and date of the example: F-2-6-L	tion 7 - n 8 -	ed . Vis	FIELD  Figure 1. NEW POSITION DETERMINED OR VERIFIED  Figure 1. The applicable data by symbols	identify and locate the bject. EXAMPLE: 75E(C)6042 8-12-75	OFFICE 1. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to		FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	TOUT TONG OF FRAMINED AND/OR VERSITIES		OBJECTS INSPECTED FROM SEAWARD		TYPE OF ACTION	
ground survey methods.	require entry of method of of field work.	Planetable Sextant	ric c	by symbols as follows:	bject.	ATED OBJECTS (including month, tograph used to	INSTRUCTIONS FOR ENTRIES UNDER METHOD AND DATE OF LOCATION (Consult Photogrammetric Instructions No. 64,		C. W. Goff	R. B. Melby	R. B. Melby	<i>t</i>	ZASII	RESPONSIBLE PERSONNEL
entirely, or in part, upon by photogrammetric methods.	**BUOTOCBAMMETBIC FIEID POSITIONS are dependent	<u> </u>	angulation station is Rec.' with date of received EXAMPLE: Triang. Rec. 8-12-75	II. TRIANGULATION STATION RECOVERED When a landmark or aid which is	e e	FIELD (Cont'd)  B. Photogrammetric fidentry of method of date of field work	OR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64,							PERSONNEL
in part, upon control established etric methods.	TOUS are dependent	SUALLY ON PHOTOGRAPH	is recovered, enter 'Triangrecovery.	N RECOVERED	to locate or identify the object. 3-8-V 3-12-75 74L(C)2982	<pre>mmetric field positions** require   method of location or verification,   field work and number of the photo-</pre>		REVIEWER  QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE	OFFICE ACTIVITY REPRESENTATIVE	FIELD ACTIVITY REPRESENTATIVE	GEODETIC PARTY OTHER (Specify)	HYDROGRAPHIC PARTY	ORIGINATOR	

NOAA FORM 76-40 (8-74)

SUPERSEDES NOAA FORM 76-40 12-71) WHICH IS OBSOLETE, AND Existing stock should be destroyed upon receipt of revision.

Original to Charts 05/15/79

3S Form 567.  ARTED VISED LETED Mg objects H T NO.	NEWFERENTATION NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NEWFERENTIAN STRATION NATIONAL STRUCTURE ADMINISTRATION NEWFERENT ADMINISTRATION NATIONAL STRUCTURE ADMINISTRATIO	CINY I/Ow/Owners	TAN	IONAL OCE	ANIC AND	TMOSPHER	C ADMINISTRATION	HYDROGRAPHIC PARTY	ARTY
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	HAVE XX HAVE NOT been Job NUMBER	been inspected from seaward to determine their value as landmarks SURVEY NUMBER IDATUM	oward to det	ermine thei	r value as	landmarks.		(See reverse for responsible personnel)	ible personnel)
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	DESCRIPTION	1	LATITUDE	UDE	LONGITUDE	JOE.			AFFECTED
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LEIF			•	44.959		18.674	77B(P)7825	Triang. Rec.	18446
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KA LVME . Radar 10wer,	ŀ		- 1		57 77T		Aug.	Aug.	1844b
(Seattle STACK Stack,	(Seattle, Halibut Oil Company, Stack, 1953)	any, Brick	47 39	40.476	122 22	31,363	77B(P)7824 1 Aug. 1977	Triang. Rec. 16 Aug. 1978	18446 18447
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	RESPONSIBLE PERSONNEL	PERSONNEL	
TYPE OF ACTION	NAME	m	ORIGINATOR
	;		EX PHOTO FIELD PARTY
OBJECTS INSPECTED FROM SEAWARD	1		GEODETIC PARTY
	R. B. Melby		OTHER (Specify)
	R. B. Melby	,	FIELD ACTIVITY REPRESENTATIVE
	C. W. Goff		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,	
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nter the number ay, and year) or dentify and loca XAMPLE: 75E(C)(	and date (including month, f the photograph used to ate the ∵bject. 5042	entry of date of f graph use EXAMPLE:	ocation or ver nd number of t or identify t
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ed Vision 5 - gulation 5 - Grant Gra	fiec	angulation station is Rec.' with date of rec EXAMPLE: Triang. Rec. 8-12-75	
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*FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey methods.	ed by field obser- ground survey methods.	netric me	Ġ.

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,

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.	т 567.	LØATHWC: A	NATIONAL OCEANIC	MARKS	FOR CHA	ANIC AND A	. DEPARTM	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION KS FOR CHARTS	ORIGINATING ACTIVITY HYDROGRAPHIC PARTY GEODETIC PARTY	CTIVITY
TO BE CHARTED TO BE REVISED TO BE DELETED	rep   REPORTING UNIT   (Field Part, Ship or Office)   Photogrammetric Branch   PMC   Seattle WA	office) tic Branch WA	STATE Washington		Locality Shilshole Sand Point	ole Bay	t c	DATE 10/35/78	MACOND FIELD PARITY  [XXCOMPILATION ACTIVITY  PINAL REVIEWER  [ QUALITY CONTROL & REVIEW GRP.  ] COAST PILOT BRANCH	IVITY IVITY I B REVIEW GRP.
The following objects	HAVEXX		been inspected from seaward to determine their value as landmarks.	ward to de	termine their	r value as	andmarks.		(See reverse for responsible personnel)	ible personnel)
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	DESCR	DESCRIPTION		LATITUDE	rude	LONGITUDE	UDE			AFFECTED
CHARTING	Record reason for deletion of landmark or ald to navigation. Show triangulation station names, where applicable, in parantheses)	ndmark or aid to , where applicab	navigation. lo, in parantheses)	, ,	// D.M. Meters	, ,	D.P. Meters	OFFICE	FIELD	·
TOWER	(Trinjty M.E. Church, 19 charted as TANK on 18447	th, 1934) In 18447	1934) Incorrectly	47 40	35,682	122 23	02,103	77B(P)7825 1 Aug, 1977	Triang. Rec. 30 Aug. 1978	18446 18447
TANK	(Seattle BN RR Tank, charted as TOWER on	1977) 18446	Incorrectly	47 39	08.792	122 22	45, 122	77B(P)7823 1 Aug. 1977	Triang. Rec. 16 Aug. 1978	18446
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*FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey methods.	EXAMPLE: F-2-6-L 8-12-75	sitions*	tion 7 - n 8 -	1 1	EW POSITION DETERMI nter the applicable - Field - Located	EXAMPLE: 75E(C)6042 8-12-75		OFFICE IDENTIFIED AND LOCATED OBJECTS		AND REVIEW GROUP AND FINAL REVIEW	FORMS ORIGINATED BY QUALITY CONTROL		S. A. IONE OF TERMINAD AND JOR VERIFIED		OBJECTS INSPECTED FROM SEAWARD		TYPE OF ACTION	
are determined by field obser-		require entry of method of of field work.	Planetable Sextant	Field identified Theodolite	NED OR VERIFIED data by symbols as follows: P - Photogrammetric Vis - Visually		e (including month, otograph used to bject.	CATED OBJECTS	INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE O (Consult Photogrammetric Instructions No. 64,	·		C. W. Goff	R. B. Melby	R. B. Melby		* -	NAME	RESPONSIBLE PERSONNEL
by photogrammetric methods.	**PHOTOGRAMMETRIC FIELD Potentirely, or in part, u	EXAMPLE: V-Vis. 8-12-75	<b>÷</b> <	EXAMPLE: Friang. Rec. 8-12-75	TA BE PAT	EXAMPLE: P-8-V 8-12-75 74L(C)2982	entry of method of date of field work graph used to loca	<pre>FIELD (Cont'd) B. Photogrammetric fit</pre>	ic Instructions No. 64,							1		PERSONNEL
ods.	<pre>IC FIELD POSITIONS are dependent in part, upon control established</pre>		ERIFIED VISUALLY ON PHOTOGRAPH	٠	ION STATION RECOVERED  dmark or aid which is also a tri- station is recovered, enter 'Triang.  date of recovery.	<b>32</b>	entry of method of location or verification, date of field work and number of the photo- graph used to locate or identify the object.	field positions** require		QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE	REVIEWER	OFFICE ACTIVITY REPRESENTATIVE	FIELD ACTIVITY REPRESENTATIVE	OTHER (Specify)	HYDROGRAPHIC PARTY	KX PHOTO FIELD PARTY	ORIGINATOR	

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.

Original to Charts.05/15/79

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Procedured to the property of the process of the pr	Replaces C&GS	т 567.	EXMATIME X HOS Y	R LAND	MARKS F	=OR CH	<b>IRTS</b>			GEODETIC PARTY	
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HAVE BY HAVE NOT   Seen inspected from secound to determine their value as landmarks.  JOB NUMBER   SURVEY NUMBER   DATUM   N.A. 1927   Ges instructions of manages for all to marigation.   LATITUDE   LONGTIDE   COFFICE    LATITUDE   LONGTIDE   COFFICE    LATITUDE   LATITUDE   COFFICE    LATITUDE   LONGTIDE   COFFICE    LATITUDE	Хто ве рече		21	shington		Sand Po	oint:		10/15/78	COAST PILOT BRAI	ZOT TOX
CM-731   TP-00647	The following		"	from seaw	ard to det	ermine the	ir value as	landmarks.		(See reverse for respons	ible personnel)
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(Mill, Brick Stack, Maltese Cross, 1934)     47.39.7     E-V-Vis. 08/28/78       1934)     Destroyed       1934     Pervovis. 08/28/78	CHARTING	(Record reason for defetion of I. Show triangulation station name	andmark or aid to navigat s, where applicable, in pa	lon. rentheses)	/	// O.M. Meters	,	// D.P.Meters	OFFICE	FIELD	
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*FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey methods.	EXAMPLE: F-2-6-L 8-12-75	sitions*	1 1	tion 5 -	Enter the applicable data by symbols F - Field P - Photogrammet L - Located Vis - Visually V - Verified	I. NEW POSITION DETERMINED OR VERIFIED	dentify XAMPLE:	<u> </u>	OFFICE IDENTIFIED AND LOCATED OBJECTS		AND REVIEW GROUP AND FINAL REVIEW	FORMS ORIGINATED BY QUALITY CONTROL		FOSTITIONS DETERMINED AND/OR VERIFIED		OBJECTS INSPECTED FROM SEAWARD		TYPE OF ACTION	
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₹	**PHOTOGRAMMETRIC FIELD PO entirely, or in part, up	EXAMPLE: V-Vis. 8-12-75	¿ <	8-12-75	<b>⊣</b> •	II. TRIANGULATION STAT(0)	graph used to locate EXAMPLE: P-8-V 8-12-75 74L(C)2982	entry of date of f	FIELD (Cont'd)	OR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64,								<b></b>	PERSONNEL
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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.

☆ U.S.GPO:1975-0-665-080/1155

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# 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 Chans" in the Re-

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