

8696

WIRE DRAG

V7
DEL.
CAB

10072
Diag. Cht. No. 1202-2.

Form 504 U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
<h3>DESCRIPTIVE REPORT</h3>	
Type of Survey <u>WIRE DRAG</u>	
Field No. <u>Wa-Hi-1157WD</u> Office No. <u>H-8696</u>	
LOCALITY	
State <u>MAINE</u>	
General locality <u>COAST OF MAINE</u>	
Locality <u>SWANS ISLAND</u>	
<u>1957</u>	
CHIEF OF PARTY	
<u>NORMAN E. TAYLOR</u>	
LIBRARY & ARCHIVES	
DATE <u>JUN 2 - 1964</u>	

COMM-DC 61300

8696

WIRE DRAG

227
CHTS 307
308
1202
70
71
1106

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

REGISTER No. H-8696

Field No. Wa-Hi-1157WD

State MAINE

General locality COAST OF MAINE

Locality SWANS ISLAND

Scale 1:10,000 ^{5²} Date of survey 5 May to 12 July 1957

Instructions dated 6 Feb. 1953; 9 Mar. 1954; 11 Feb. & 5 Dec. 1955 & 9 Oct. 1956

Vessel WAINWRIGHT & HILGARD

Chief of party NORMAN E. TAYLOR

Surveyed by J.E GUTH, R.H. HOULDER, OLD. DOSTER & C.E. FULLER

Soundings taken by ~~echo sounder, beam trawl~~ hand lead, ~~etc.~~

Fathograms scaled by None

Fathograms checked by _____

Protracted by W.W. FEAZEL (Norfolk Processing Unit)

Drag Strips Inked _____

Soundings penciled by W.W. FEAZEL " " "

Soundings in ~~English~~ feet at MLW ~~MLW~~

REMARKS: Verification was limited to soundings, groundings, hangs and clearances only. This information was inked and appropriately annotated on the smooth and A+D sheets. A comparison between the present survey and the latest hydrographic surveys revealed numerous hangs and groundings to be on known shoals thus obviating the need for their final verification and inking on the present survey. The smooth plotted positions and/or effective depths of some groundings and hangs were revised during the present processing; however, it was not considered necessary to revise the affected effective depth drag strips. The cleared areas on the A+D sheet, especially in the immediate vicinity of groundings and hangs, as well as the pencilled information remaining on the present survey should not be regarded as fully verified and are to be used for reference purposes only. No further processing of the present survey is planned.

Done as per HDEG requirement
Passed PHC 4-12-76 N.W.W.

DESCRIPTIVE REPORT

WIRE DRAG FIELD SHEET NUMBER WA-HI 1157-WD

PROJECT 15010

COAST OF MAINE

SCALE 1:10,000

NORMAN E. TAYLOR -- CHIEF OF PARTY

A. PROJECT

(Project No 15010 instructions filed as No. 501)

Supplemental Instructions dated 9 October 1956, 6 February 1953, 9 March 1954, 11 February 1955 and 5 December 1955.

B. SURVEY LIMITS AND DATES

This sheet covers Latitude 44-03.8 to 44-12.0 and Longitude 68-24.2 to 68-31.1. Field work was begun on 5 May 1957 and was completed on 12 July 1957.

C. VESSELS AND EQUIPMENT

The Ships WAINWRIGHT and HILGARD acted as Guide Launch and End Launch respectively, and Launch CS-181 was used as the tender.

Standard wire drag equipment was used throughout.

D. TIDE STATIONS

Hourly heights for the reduction of drag depths were obtained from portable automatic tide gages located at Bass Harbor, Maine and Burnt Coat Harbor, Maine.

Reducers entered on the Boat Sheet were taken from the predicted tide tables.

See Attachment number 2.

E. SMOOTH SHEET

The smooth sheet has been prepared by the Washington Office and is in the Norfolk Processing Office.

F. CONTROL STATIONS

All control stations were located by conventional methods.

See Attachment number 3.

G. DRAG TEST

Test of the drag followed the method outlined in the manual.

H. CONTROL OF WIRE DRAG

Standard dual control methods were used. Cuts to the end ^{of} ~~body~~ and then to the opposite vessel were taken immediately after the fix. The cuts were called plus (+) if the object was to the right of the signal and minus (-) if to the left. Length of tow line was the distance from the center of the wheelhouse to the end ^{of} ~~body~~ in each case.

J. ADEQUACY OF THE SURVEY

This survey is considered adequate, and no further field work is necessary.

K. COMPARISON WITH CHART AND HYDROGRAPHY SHEETS

In general, the wire drag was in agreement with Chart 308 and with Hydrography Sheets H-7772, 7773, 7833 and 7834.

See Attachment number 4 for tabulation of hangs and clears and Attachment number 5 for tabulation of special investigations.

L. AIDS TO NAVIGATION

See Attachment number 6.

M. TIME

Standard 60th Meridian time was used throughout the sheet.

N. LIST OF ATTACHMENTS

1. Statistics
2. Tide Note
3. List of Signals
4. Hang and Clear Data
5. Special Investigations
6. Aids to Navigation

Submitted,

Jack E. Guth
Lieutenant, USC&GS

Approved and Forwarded,


Norman E. Taylor

LCDR, USC&GS, Chief of Party

ATTACHMENT NUMBER 1

Volume No.	Day Letter	STATISTICS			
		Date	Number of Positions	Statute Miles	Sq. Naut. Miles
1	A	5/8/57	79	4.4	2.9
1	B	5/9/57	31	1.5	0.3
1	C	5/10/57	33	2.0	0.4
1	D	5/14/57	26	2.1	0.7
2	E	5/16/57	60	3.8	1.9
2	F	5/17/57	46	2.6	0.9
2	G	5/21/57	17	1.1	0.6
2-3	H	5/22/57	77	3.6	2.9
3	J	5/23/57	42	3.0	0.8
3	K	5/28/57	50	1.9	0.5
3	L	5/29/57	39	1.7	0.8
3	M	5/30/57	32	1.5	0.5
4	N	6/3/57	64	3.7	1.3
4	P	6/4/57	38	1.8	0.4
4	Q	6/5/57	72	3.6	1.7
5	R	6/6/57	29	2.5	0.8
5	S	6/10/57	52	2.8	1.3
5	T	6/11/57	55	2.5	1.4
5	U	6/12/57	18	0.9	0.2
6	V	6/13/57	63	3.1	0.8
6	W	6/17/57	40	2.8	0.8
6	X	6/18/57	21	1.6	0.7
6	Y	6/19/57	28	1.5	0.2
6	Z	6/20/57	59	2.2	0.3
7	AA	6/21/57	63	2.8	0.4
7	BA	6/24/57	52	2.3	1.1
7	CA	7/1/57	47	2.4	1.2
7-8	DA	7/2/57	69	3.7	1.7
8	EA	7/3/57	19	0.8	0.5
8	FA	7/11/57	41	2.3	1.5
8	GA	7/12/57	34	1.9	0.9
SHEET TOTAL	8		1,394	74.5	30.2

ATTACHMENT NUMBER 2

TIDE NOTE

Portable automatic tide gages were installed and maintained by this party at Bass Harbor, Maine, Latitude ~~44-14.5~~, Longitude 68-21.1, and Burnt Coat Harbor, Maine, Latitude ~~44-08.7~~, Longitude 68-26.9.

Off Limits of sheet

The height of Mean Low Water above the zero of the tide staff at Bass Harbor was 3.6 feet and at Burnt Coat Harbor, 3.3 feet.

Hourly heights were scaled from marigrams by party personnel.

All times noted are 60th Meridian times.

ATTACHMENT NUMBER 3

LIST OF CONTROL STATIONS

<u>STATION NAME</u>	<u>ORIGIN</u>	<u>MANUSCRIPT NUMBER</u>
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1. Triangulation Stations

BURN	Burnt Coat Lighthouse 1875	T-8570
EGG	Egg Rock Beacon 1907	8570
HAT	Hat Island 1907	8570
MAR	Marshall Island 1907	8554

2. Recoverable Topographic Stations

AIM	Capola 1944	8570
ACRE	Acre 1945	8570
BACK	Back 1950	8569
BAT	Bat 1950	8570
BAND	Band 1945	8570
BEEN*	Been 1944	8570
BLACK*	Black 1944	8554 (RS-549)
BOA	Chimney 1944	8570
BOLD	Bold 1950	8569
BUSH*	Bush 1944	8554 (RS-549)
CON	X on boulder 1944	8570
COOL	Cool 1945	8554 (RS-549)
DAW	Brick Chimney 1945	8570
DRAG	Drag 1945	8571
GREEN*	Green 1944	8571
HEAD	Head 1944	8570
IRISH*	Irish 1945	8570
JOHN*	John 1944	8571
LAKE	Lake 1945	8570
MASON*	Mason 1944	8554 (RS-549)
NAT	Harbor Island Ledge Beacon 1945	8570
NUX	Nux 1950	8570
RON	Orono Point Beacon 1944	8570
SALLY*	Sally 1944	8571
SHOE	Shoe 1945	8554 (RS-549)
TILE	Tile 1945	8570
VAN	Chimney 1945	8570

* Stations so marked are marked with standard topographic disks and are shown as topographic stations on the manuscripts. They were however, located by theodolite and are listed in the BP's as third order triangulation stations.

3. Photo-Hydro Signals

<u>Signal</u>	<u>Manuscript No.</u>	<u>Signal</u>	<u>Manuscript No.</u>
ALP	8570	BUZ	8571
ART(8570	BUY	8570
ABE	8570	COD	8570
ASK	8570	GOP	8570
AGE	8570	CUE	8570
AIR	8554 (H-7772)		
BAG	8570	Continued	

LIST OF CONTROL STATIONS CONTINUED

Photo-Hydro Signals

<u>Signal</u>	<u>Manuscript No.</u>
DAD	8571
DEB	8570
DOE	8570
EEL	8570
ERA	8570
FRY	8570
FOG	8570
FUN	8570
GAB	8570
GAT	8570
HAD	8570
HER	8571
HUT	8571
ICE	8570
IDA	8570
IVY	8569
JAP	8570
JAY	8570
KEN	8570
KHP KIT	8570
LEO	8570
LOG	8570
MAL	8570
MET	8570
MOP	8570
NAN	8570
NEW	8570
NIT	8570
NIX	8570
OAT	8570
OCP	8571
PAL	8570
PRO	8570
QUO	8570
RED	8570
RUT	8570
SHE	8570
SIS	8570
TUT	8571 (Picked from Boat sheet on RS-549)
WAX	8570

Topographic
4. Hydrographic Signals

LEE Vol.1 Page 85 } signals are plotted on T sheets
 GOO } 8570
 } 8571

LIST OF CONTROL STATIONS CONTINUED

#1 charted 146 is from advance information L-402/57

Station	Managerial No.
WAX	8270
TUT	8274
SIS	8270
SHE	8270
RUT	8270
RED	8270
QUO	8270
PRO	8270
PAL	8270
POP	8271
OAT	8270
NIX	8270
TIT	8270
NEW	8278
MAN	8270
MOP	8270
RET	8270
MAL	8270
LOG	8270
LEO	8270
KEK	8270
KEN	8270
JAY	8270
JAL	8270
IYI	8278
IDA	8270
LOE	8278
HUT	8271
HIS	8271
HAD	8270
GAT	8270
GAB	8270
ROM	8270
POG	8270
PEY	8270
PEF	8270
PEL	8270
DOE	8270
DEB	8270
DAD	8271

#11 Previously charted 191 is adv. info - L-402/57
Revision to 117 is from H-8460 (unverified)

#15 Previously charted 31 is from advance information L-402/57
Changed to 31 sdg on ch 308 per H-7722 REC 10-30-64

#26 charted 26 is from advance information L-461/56

Hydrographic Signals

ATTACHMENT NUMBER 4

NC = Not cleared

HANG AND CLEAR DATA

	Lat.	Long.	Hang Depth(ft)	Pos. No.	Clear Depth(ft)	Pos. No.	Depth	<i>This column not verified</i>
1.	44-06.53	68-26.4	57.50	22E 37F	46.0	44F	48.0	Hydro Sheet (H-7772)
2.	44-06.46	68-25.82	17.50	5F	10.50	24F	14 to 16 ft.	on H-7772
3.	44-06.35	68-25.3.63	10.50	26F	8.0	30F	9.0	on H-7772 (Drag parted after pos. 26F)
4.	44-06.0.95	68-24.0.97	57.50	37H	48.0	10FA	52.0	Hydro Sheet (H-7773)
5.	44-05.6.5	68-26.7	56.0	54H	39.0	17D	41.0	Chart (H-7773)
6.	44-05.4.9	68-27.7	52.0	78H	34.0	39J	38.0	Chart (H-7773)
7.	44-05.02	68-28.9	31.0	33FA	8.50	5J	11.0	Chart (H-7773)
8.	44-05.12	68-28.57	—	—	13.0	12J	16.0	Chart (CS-308)
9.	44-05.14	68-28.28	—	—	22.50	18J	25.0	Chart (CS-308)
✓ 10.	44-06.86'	68-24.898'	19.50	25K	8.0	6K	10.0	Chart (H-7772)
11.	44-07.7	68-24.6.55	23.0	1456*	12.0	3M	*Boat Sheet (1456 - Not on hand)	
12.	44-07.18	68-25.0	20.0	28L	20.50	28L	20.0	Chart (H-7772) Hang & Clear
✓ 13.	44-08.17	68-28.10	22.0	8N	17.00	42/50N	17.0	Lead Line (Pos. 2n-55 meters SE of hang)
14.	44-07.83	68-28.3	35.0	67Q	21.0	48N	22.0	Chart (H-7772)
✓ 15.	44-07.67	68-27.23	33.534	24P	28.0	36P	31.50	Hydro Sheet (H-7772)
16.	44-08.38	68-30.4	—	—	10.0	10R	12.0	Chart (H-7772)
17.	44-08.48	68-30.73	29.0	7U	15.0	15R	18.0	Chart (H-7772)
18.	44-07.45	68-28.2	35.0	28S	17.0	42S	18.0	Chart (H-7772)
19.	44-06.7	68-28.33	—	—	23.0	52S	27.0-23.0	Chart (H-7773)
20.	44-07.33	68-29.16	17.0	15V	6.0	5V	10.0	Chart (H-7772)
✓ 21.	44-10.42'	68-29.59'	33.5	62-63V	17.0	15V	19.0	Chart
22.	44-11.47	68-24.97	—	—	14.0	5X	28.0	Chart (CS-308)
23.	44-11.545	68-26.9.27.0	16.0	28Z	15.5	12.0 22Z	13.0	Chart (H-7834)
✓ 24.	44-11.266	68-29.2.07'	12.0	32AA	11.50	22AA	13.0	Chart (H-7834)
25.	44-11.2.176	68-28.8.75	18.0	43AA	13.50	37AA	9.0	Chart (H-7834)
26.	44-11.08	68-28.82	18.0	42AA	18.0	37 42AA	15.0	Hydro Sheet (H-7834)
27.	44-11.1	68-28.8	16.0	47AA	16.0	48AA	11.0	Hydro Sheet (H-7834)
28.	44-06.57	68-29.2	30.50	10BA	27.0	50BA	31.0	Chart (H-7773)
29.	—	—	31.5	15BA	27.0	50BA	31.0	Chart (13 to 16 BA Not smg off Plotted)
30.	—	—	31.0	35BA	27.0	50BA	31.0	Chart (H-7773)
✓ 31.	44-06.57'	68-29.19'	28.0	44BA	27.0	50BA	31.0	Chart (H-7773)
32.	44-05.25	68-30.36	—	—	8.0	59DA	9.0	Chart (H-7773)
33.	44-05.47	68-29.81	—	—	2.50	67DA	4.0	Chart (H-7773)
34.	44-06.7	68-29.0	46.5	23PA 119/110mp	33.50	14EA	35.0	Chart (CS-308)
✓ 35.	44-11.65	68-28.55	—	21DA	8 ft (Sndg)	21DA	8.3 Rod.	Rock Awash? Chart. 308 - Sunken Rock.
✓	44-11.71'	68-27.61'	30	5Z	NC			
✓	44-11.09'	68-28.42'	15	12 DA	NC			
✓	44-11.14'	68-25.99'	22	10 B	NC			
✓	44-10.85'	68-25.64'	22	16 B	NC			
✓	44-07.51'	68-28.16'	36	13 Q, 1q	35	26-27 S		
✓	44-07.47'	68-28.22'	36	12.3 Q	35	26-27 S		

Some of the advance letters in area of chart 308

✓	44-07.11'	68-25.98'	55	8L	NC		
✓	44-07.04	68-25.96'	55	8L	NC		

Continued on Page 8 (Below Attachment No 5)

ATTACHMENT NUMBER 5
SPECIAL INVESTIGATIONS

0 To be Wire Draged within 2 feet of shoalest depth on chart or survey

	Lat.	Long.	Chart Depth	Survey Depth	Hang Depth	Clear Depth	Note
36.	44-07.8	68-31.1	16.0	16.5			See Sheet 1257
37.	44-07.4	68-28.2	18.0	18.0		17.0	
38.	44-07.5 ⁴³	68-24.48	17.0	17.5			See Sheet 1456
39.	44-06.9	68-24.9	10.0	10.0		8.0	
40.	44-06.4	68-25.8	14.0	14.0	17.50	10.50	
41.	44-06.3	68-25.6	9.0	10.5	10.50	8.0	See line 22 to 26 F
42.	44-06.6	68-28.3	(23.0) (27.0)	(23.0) (27.0)		(23.0) (23.0)	
43.	44-04.6	68-30.7	26.0	26.0			See Sheet 1257
44.	44-05.3	68-30.4	9.0	7.0		8.0	
45.	44-05.5	68-29.8	4.0	3.0		2.50	
46.	44-11.1	68-26.8	15.0	15.0		14.0	
47.	44-11.4	68-27.0	13.0	13.0			15.5' Kelp hang. Could not drag deeper. Leadline at (-) tide shows 7.0', 8.0', 12.0'. Dense kelp, could not drag deeper. Extremely dense kelp, could not drag deeper. 13.5' Dense kelp, could not drag deeper.
48.	44-11.7	68-28.5	+	7.0			
49.	44-11.7	68-29.1	13.0	13.0		11.5	
50.	44-11.1	68-28.9		(11.0) (15.0)	14.0	13.5	
51.	44-11.2	68-28.8	9.0	9.0	18.50	13.50	

Effective depth 12 ft. A deep center bc broken two shoals

ATTACHMENT NUMBER 4 (Cont.)

Latitude	Longitude	Hang or Grounding (ft.)	Depth	Pos No.	Clear Depth (ft)	Pos No.
44° 06.80'	68° 24.75'	34		33K	23	25 K
44° 06.72'	68° 24.85'	21		20K	7	4 K
44° 07.35'	68° 29.25'	6		9V	NC	
44° 07.22'	68° 29.11'	17		13V	16	17V
44° 07.16'	68° 28.98'	16		17-18V	NC	
44° 05.80'	68° 29.14'	29		30 DA	NC	
44° 05.56'	68° 29.59'	2		69 DA	NC	
44° 10.36'	68° 29.49'	33				
44° 10.35'	68° 29.46'	33				
44° 10.38'	68° 29.36'	33		61-63 V	NC	
44° 10.41'	68° 29.30'	33				
44° 10.44'	68° 29.24'	33				
44° 05.62'	68° 26.52'	56		11-12 H	39	18-19 D

NORFOLK RECORDS PROCESSING UNIT
 FLOATING AIDS TO NAVIGATION
 H-8696

<u>BUOY</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>	<u>DEPTH</u>	<u>POS. NO.</u>	<u>DATE</u>
BURNT COAT HBR.					
Entr. Whistle Buoy	44-04.86'	68-26.32'	-	29A	5/ 8/57
Seal Ledge Buoy 1	05.12	28.54	-	-	5/23/57
Swans I. Gong Buoy 2	07.48	24.79	-	1m	5/30/57
Gooseberry I. Ledge					
Buoy 3	07.78	27.30	-	16P	6/ 4/57
Harbor I. West Bell Buoy	07.46	27.48	-	16S	6/10/57
MACKEREL COVE					
Crow I. Ledge Buoy 2	11.17'✓	25.98 ✓	28 ⁶	76Z ✓	6/20/57
Fir Pt. Ledge Buoy 3	10.78'✓	25.77 ✓	15 ³	75Z ✓	6/20/57
North Pt. Buoy 1	11.54 ✓	25.72 ✓	24 ²	77Z ✓	6/20/57
Round I. Ledge Buoy 4	10.80	26.86	28	74Z	6/20/57
SOUTHWEST APPROACH					
John I. Sunken Ledge					
Buoy 2	05.75	24.49	-	1b	5/ 9/57
TOOTHACHER BAY					
Sheriff Ledges Buoy 4					
	07.78	28.62	-	-	6/ 3/57
JERICO BAY					
Hat I. Ledge Buoy 2					
	08.37	30.93	-	16R	6/ 6/57
YORK NARROWS					
Buoy 6	11.21 ✓	28.95 ✓	44 ✓	60Z ✓	6/20/57
Buoy 5	11.07 ✓	28.59 ✓	34 ✓	61Z ✓	6/20/57
Buoy 4A	11.12	28.47	43	62Z	6/20/57
Buoy 4	11.24	28.19	37	64Z	6/20/57
Buoy 3	11.18	28.23	39	63Z	6/20/57
Buoy 2	11.42	27.90	37	65Z	6/20/57
CASCO PASSAGE					
Buoy 1	11.62	27.70	52	66Z	6/20/57
Buoy 3	11.66 ✓	28.09 ✓	21 ✓	67Z ✓	6/20/57
Buoy 5	11.68	28.35	24	68Z	6/20/57
Buoy 7	11.68	28.68	24	69Z	6/20/57
Buoy 9	11.59	29.08	23	70Z	6/20/57
Buoy 10	11.63 ✓	29.69 ✓	21 ✓	71Z ✓	6/20/57
Buoy 4	11.71	28.28	25	72Z	6/20/57
York Narrows Bell Buoy	11.81	26.82	44	73Z	6/20/57

NORFOLK RECORDS PROCESSING UNIT
ADDENDUM
To Accompany

WIRE DRAG SURVEY H-8696 (Wa-Hi-1157WD)

GENERAL

This survey was done in an area that presented a great many problems for the field party due to the rough terrain, narrow passages, strong currents, and the prevalence of kelp and lobster pots. Necessarily, these problems were passed on to the smooth plotter and resulted in a great many questionable situations.

For better clarification, all drag strips were plotted on separate transparent overlays which are being forwarded with the smooth sheet. These overlays contain copious notes by the plotter explaining the problems encountered and the methods used to resolve numerous inconsistencies and discrepancies. In the more highly congested areas a general lack of field notes, including instances where hangs were not mentioned, made it necessary for the plotter to rely on soundings from prior hydrographic surveys, and even the slightest indications of drag speed changes, end buoy cuts, etc., to determine the existence and positions of shoals. Field drag diagrams were corrected to show all changes and modifications to the recorded data.

All strips were checked against prior hydrographic surveys to see that there were no conflicts between wire drag and hydrographic depths. Pertinent data were shown at each hang with flagged notes on the smooth sheet.

SPLITS

Several splits and areas of insufficient overlap are shown on the smooth and A&D sheets. Some of these may possibly be eliminated if they fall in junctional areas covered by prior wire drag surveys. Others may be eliminated by a less strict interpretation of the loose terminology used to describe some of the beginning bights.

STRIPS NOT PLOTTED

Positions 45 to 49AA - Line submitted on smooth overlay - area adequately covered by other drag strips.

Positions 24 to 28Z - Plotted on rough overlay only - this line has a deep between two shoal settings but it may be used to confirm the 13 ft. sounding shown on H-7834.

Existence
of

Positions 13 to 16BA and 33 to 37BA - Lines plotted on rough overlays only - drag hung at beginning of lines.

Norfolk, Va.
May 21, 1964

Respectfully submitted,


Hugh L. Proffitt
Cartographer

GEOGRAPHIC NAMES

Survey No. H-8696 W.D.

Name on Survey	A	B	C	D	E	F	G	H	K	
	<i>On Chart No.</i>	<i>On previous survey No.</i>	<i>On U. S. quadrangle Maps</i>	<i>From local information</i>	<i>On local Maps</i>	<i>P. O. Guide or Map</i>	<i>Rand McNally Atlas</i>	<i>U. S. Light List</i>		
Harbor I.										1
Heron I.										2
Marshall I.										3
Orono I.										4
Swans I.										5
										6
										7
										8
										9
										10
										11
										12
										13
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										16
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										25
										26
										27

Approved
10-8-64

A. J. Wright

HYDROGRAPHIC SURVEY STATISTICS
HYDROGRAPHIC SURVEY NO. 8696 W.D.

RECORDS ACCOMPANYING SURVEY: To be completed when survey is registered.

RECORD DESCRIPTION		AMOUNT	RECORD DESCRIPTION		AMOUNT	
SMOOTH SHEET		1	BOAT SHEETS		2	
DESCRIPTIVE REPORT			OVERLAYS <u>Plotting (Rough)...</u>		1	
			<u>Smooth Overlay.....</u>		1	
DESCRIPTION	DEPTH RECORDS	HORIZ. CONT. RECORDS	PRINTOUTS	TAPE ROLLS	PUNCHED CARDS	ABSTRACTS/ SOURCE DOCUMENTS
ENVELOPES						
CAHIERS	1					
VOLUMES	17					
BOXES						

T-SHEET PRINTS (*List*)

SPECIAL REPORTS (*List*) 1-A&D sheet, Smooth and 1-A&D sheet, Rough

OFFICE PROCESSING ACTIVITIES

The following statistics will be submitted with the cartographer's report on the survey

PROCESSING ACTIVITY	AMOUNTS			
	PRE-VERIFICATION	VERIFICATION	REVIEW	TOTALS
POSITIONS ON SHEET				2792
POSITIONS CHECKED	58			
POSITIONS REVISED	3			
DEPTH SOUNDINGS REVISED	3			
DEPTH SOUNDINGS ERRONEOUSLY SPACED	--			
SIGNALS ERRONEOUSLY PLOTTED OR TRANSFERRED	--			
	TIME (MANHOURS)			
TOPOGRAPHIC DETAILS	0			
JUNCTIONS	0			
VERIFICATION OF SOUNDINGS FROM GRAPHIC RECORDS	0			
SPECIAL ADJUSTMENTS	0			
ALL OTHER WORK	81			
TOTALS	81			
PRE-VERIFICATION BY <i>Kenneth W. Wellman</i>	BEGINNING DATE 2-3-76	ENDING DATE 3-4-76		
VERIFICATION BY	BEGINNING DATE	ENDING DATE		
REVIEW BY	BEGINNING DATE	ENDING DATE		

VERIFIER'S REPORT
HYDROGRAPHIC SURVEY, H 8696 W.D.

INSTRUCTIONS - This form serves to identify items of a check list in verification together with items which are separately reported to the Reviewer. The form is not to be forwarded to the Reviewer. A report, which is prepared for the Reviewer, should identify items by number and letter and will be filed in the Descriptive Report until the survey is reviewed.

CL - Check List Items: should be checked as having been completed during the verification processes.

R - Report Item: This column refers to those items reported to the reviewer and is used to indicate the items discussed.

Part I - DESCRIPTIVE REPORT	CL	R	Part III - JUNCTIONS (Continued)	CL	R
<p>Note: The verifier should first read the Descriptive Report for general information and problems.</p> <p>1. The Descriptive Report was consulted, paragraphs checked if found satisfactory, and notations were made in soft black pencil regarding action taken. Remarks Required: -- None</p>			<p>10. Junctions with contemporary surveys were satisfactory except as follows: Remarks Required: -- Consider conditions after adjustments have been made; note adjustments made. Make special notes of Butt junctions and areas which are SUPERSEDED.</p>		
<p>2. Soundings originating with the survey and mentioned in the Descriptive Report have been verified and checked in soft black pencil, including latitude and longitude, together with position identification. Remarks Required: -- None</p>			<p>Part IV - VOLUMES</p> <p>11. All items affecting the plotting of the survey which are entered in the remarks columns of the sounding records were noted and check marked. In all cases appropriate action was taken and exceptions noted in the volumes. Remarks Required: -- None</p>		
<p>3. All reference to survey sheets mentioned in the Descriptive Report should include registry number and year. Remarks Required: -- None</p>			<p>12. Condition of sounding records was satisfactory except as follows: Remarks Required: -- Mention deficiencies in completeness of notes or actions for the following:</p> <p>(a) rocks (b) line turns (c) position values of beginning and ending of lines (d) bar check or velocity correctors (e) time recording (f) notes or markings on fathograms (g) was reduction of soundings accurately done? (h) was scanning accurate? (i) were peaks at uneven intervals missed? (j) were stamps completed? (k) references to adjacent features</p>		
<p>Part II - SHORELINE AND SIGNALS</p> <p>4. Source of shoreline signals Remarks Required: -- List all surveys</p> <p>a. Give earliest and latest dates of photographs b. Field inspection date c. Field Edit date d. Reviewed-Unreviewed</p>					
<p>5. The transfer of contemporary topographic information was carefully examined and reconciled with the hydrography. Remarks Required: -- Discuss remaining differences.</p>					
<p>6. The plotting of all triangulation stations, topographic stations and hydrographic signals has been checked and noted in processing stamp No. 42 on the smooth sheet. Remarks Required: -- None</p>					
<p>7. Objects on which signals are located and which fall outside of the high-water line have been described on the sheet. Remarks Required: -- List those signals still unidentified.</p>			<p>Part V - PROTRACTING</p> <p>13. All positions verified instrumentally were check marked in color in the sounding records, and verifier initialed the processing stamp. Remarks Required: -- None</p>		
<p>Part III - JUNCTIONS</p> <p>Note: Make a cursory comparison preliminary to inking soundings in area of overlap.</p> <p>8. All junctions of contemporary or overlapping sheets were transferred in colored ink and overlapping curves were made identical. Remarks Required: -- None</p>			<p>14. The protracting and plotting of all unsatisfactory crossings were verified. Remarks Required: -- None</p>		
<p>9. The notation in slanted lettering "JOINS H---- (19)" was added in colored ink for all verified contemporary adjoining or overlapping sheets. Those not verified are shown in pencil. Remarks Required: -- None</p>			<p>15. All detached positions locating critical soundings, rocks, buoys, breakers, obstructions, kelp, etc., were verified and the position numbers are legible. Remarks Required: -- None</p>		

Part V - PROTRACTING (Continued)	CL	R	Part VIII - AIDS TO NAVIGATION	CL	R
16. The protracting was satisfactory except as follows: Remarks Required: -- Refers to protracting in general except for specific faults repeated often, or faults in control information, which required considerable replotting or adjustments.			26. All fixed aids located together with those on the contemporary topographic sheets, have been shown on the survey. Remarks Required: -- Conflicts of any nature listed.		
17. The protractor has been checked within the last three months. Remarks Required: -- Date of check, type of protractor and number.			27. All floating aids listed in the Descriptive Report should be verified and checked in soft black pencil, including latitude and longitude and position identification. Remarks Required: -- None		
Part VI - SOUNDINGS 18. All soundings are clear and legible, and critical soundings are a little larger than adjacent soundings. Remarks Required: -- None			Part IX - BOAT SHEET 28. The boat sheet was constantly compared with the smooth sheet with reference to notes, position of sounding lines and supplemental information. Remarks Required: -- None		
19. Sounding line crossings were satisfactory except as follows: Remarks Required: -- Discuss adjustments.			29. Heights of rocks awash were correctly reduced and compared with topographic information. Remarks Required: -- Note excessive conflicts with topographic information.		
20. The spacing of soundings as recorded in the records was closely followed; Remarks Required: -- None			Part X - GENERAL 30. All information on the sheet is shown in accordance with figures 82 and 83 in the Hydrographic Manual (Pub. 20-2). Remarks Required: -- None		
21. The scanning, reduction, spacing, plotting of questionable soundings have been verified. Remarks Required: -- None			31. Unnecessary pencil notes have been removed from the sheet. Remarks Required: -- None		
Part VII - CURVES 23. The depth curves have been inspected before inking. Remarks Required: -- By whom was the penciled curves inspected.			32. Degree, minute values and symbols have been checked; also electronic distance arcs have been properly identified and checked on the smooth sheet. Remarks Required: -- None		
24. The low-water line and delineation of shoal areas have been properly shown in accordance with the following: a. From T-Sheet in dotted black lines b. From soundings in orange c. Approximate position of sketched curve is dashed orange d. Approximate position of shoal area not sounded in black dashed Remarks Required: -- None			33. The bottom characteristics are adequately shown. Remarks Required: -- None		
25. Depth curves were satisfactory except as follows: (This statement should not refer to the manner in which the curves were drawn). Remarks Required: -- Indicate areas where curves could not be drawn completely because of lack of soundings. For some inshore areas a general statement is sufficient.			Part XI - NOTES TO THE REVIEWER 34. Unresolved discrepancies and questionable soundings.		
35. Notation of discrepancies with photogrammetric survey inserted in report of unreviewed photogrammetric survey or on copy.			36. Supplemental information.		
Verified by _____			Date _____		

TIDE NOTE FOR HYDROGRAPHIC SHEET

9/3/64

Nautical Chart Division: R. H. Carstens

Plane of reference approved in
17 volumes of sounding records for

HYDROGRAPHIC SHEET 8696

Locality: Swans Island, Maine

Chief of Party: N.E. Taylor

Plane of reference is mean low water

Tide Station Used (Form C&GS-681):

Burnt Coat Harbor
Bass Harbor

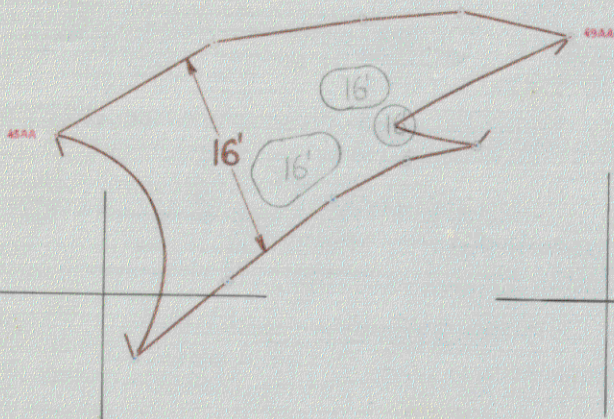
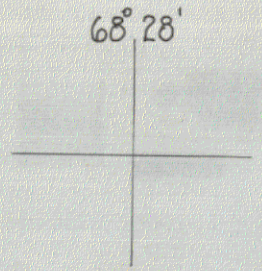
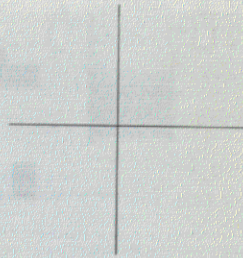
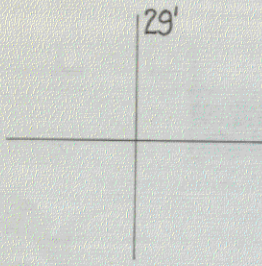
Height of Mean High Water above Plane of Reference is as follows:

Burnt Coat Harbor 9.5 ft.
Bass Harbor 9.9 ft.

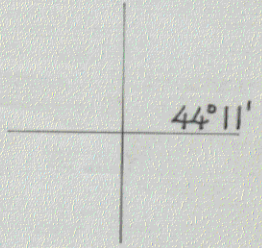
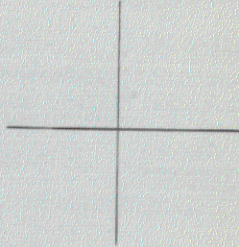
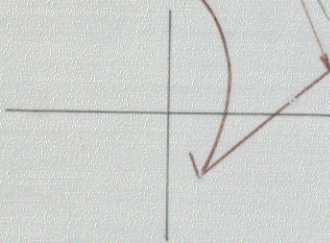
Remarks NOTE: Tide reducers for positions listed below
have been revised in red and veiried.

<u>Vol</u>	<u>Pos</u>
5	1 S to 14 S
8	66 Z to 77 Z

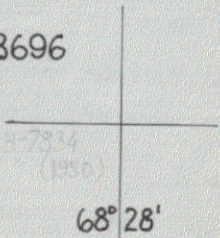
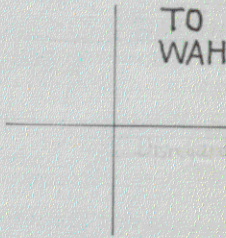
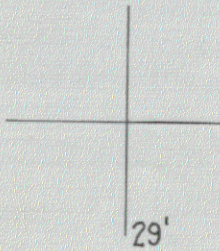
J. M. Symons
Chief, Tides and Currents Branch



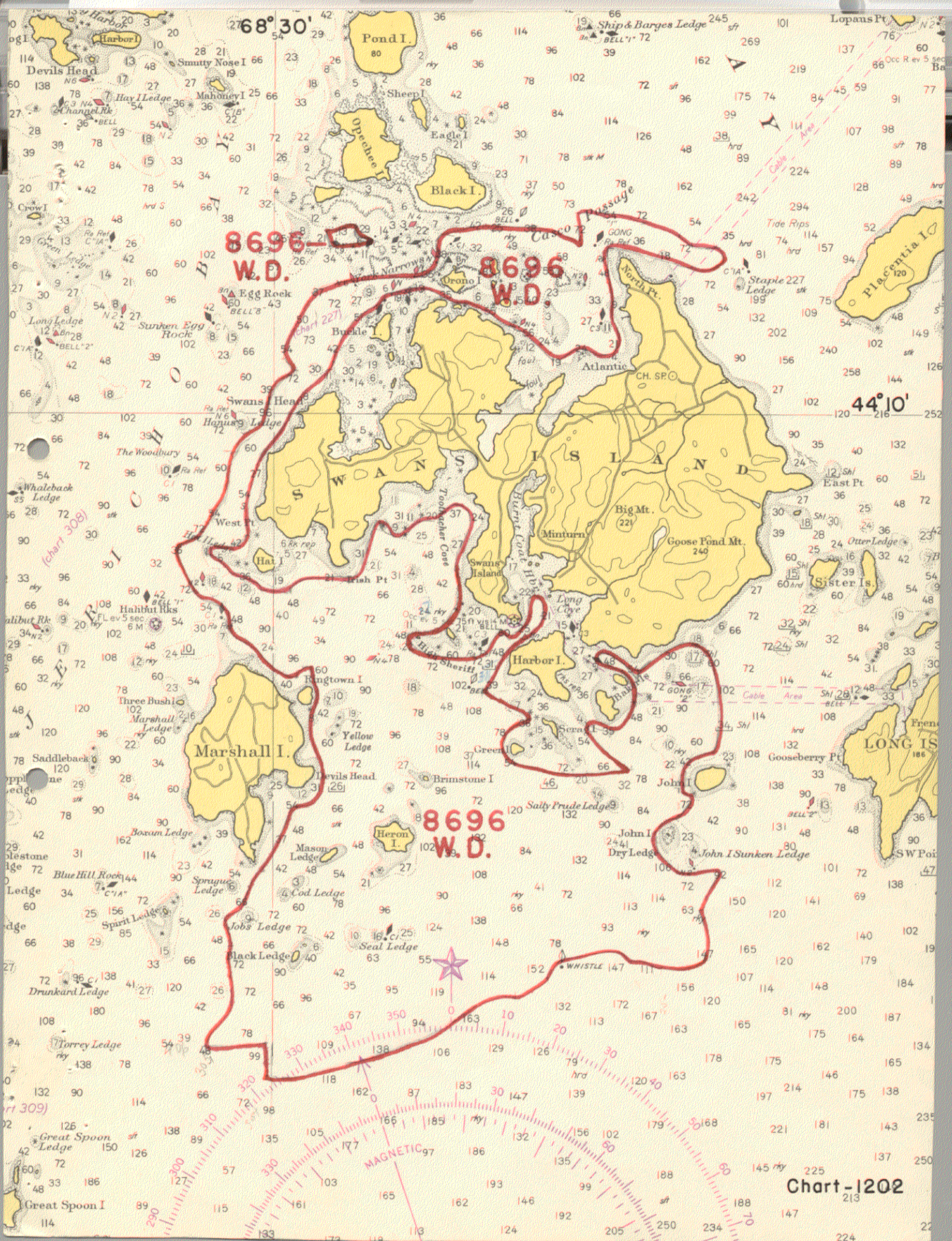
44° 11'



LINE 45 to 49 AA
TO ACCOMPANY
WAHI-1157 WD H-8696



Shoreward shoaler depth shown on H-7834
(1950)



8696
W.D.

8696
W.D.

8696
W.D.

Chart-1202

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. H-8696 W.D.

INSTRUCTIONS

- A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.
1. Letter all information.
 2. In "Remarks" column cross out words that do not apply.
 3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
308	10-17-64	J.D. Ervey	Full Part Before After Verification Review Inspection Signed Via Drawing No. <i>Revised two soundings</i>
1106	2-11-65	<i>J. Keeler</i>	Full Part Before After Verification Review Inspection Signed Via Drawing No. <i>changed one sdg.</i>
227	6-19-65	J.T. Gallahan	Full Part Before After Verification Review Inspection Signed Via Drawing No. <i>added 111 ps 31AA</i> <i>No revision</i>
1202	8-2-65	J.T. Gallahan	Full Part Before After Verification Review Inspection Signed Via Drawing No. <i>appl thru Dwg 308#20</i> <i>Items 13 & 17</i>
307	1-18-65	G.R. McCann	Full Part Before After Verification Review Inspection Signed Via Drawing No. <i> thru chart 308 - no revision</i>
71	July 66	FR Scanzella	Full Part Before After Verification Review Inspection Signed Via Drawing No. <i>No revision</i>
13260	3-15-90	DM McALINDEN	Full Part Before After Verification Review Inspection Signed Via Drawing No. <i>39 ADEQUATELY APPLIED</i>
13315	3-12-93	D. Johnson	Full Part Before After Verification Review Inspection Signed Via Drawing No. <i>#25 previously applied no further correction at this time. Acknowledged / Appl'd.</i>
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.