8513

Diag. Cht. No. 1202-2

NOAA FORM 76-35A

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

DESCRIPTIVE REPORT
(HYDROGRAPHIC)

Type of Survey HYDROGRAPHIC

Field No. WAHI-1158

Office No. H-8513

LOCALITY

State MAINE

General Locality DYER NECK

Locality GOULDSBORO BAY, PROSPECT HARBOR

1958-59

CHIEF OF PARTY
Norman E. Taylor, John R. Plaggmier

LIBRARY & ARCHIVES

DATE Feb. 23, 1965

☆ U.S. GOV. PRINTING OFFICE: 1976—669-441

8513

Form 537
(Ed. June 1946)

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-8513

Field No. 1158

State MAINE

General locality DYER NECK ~~COAST OF MAINE~~

Locality GOULDSBORO BAY, PROSPECT HARBOR

Scale 1:10,000 Date of survey 9/2/58 to 9/21/59

Instructions dated (8/5/55; 12/5/55, 10/9/56, and 10/22/56) SUPERSEDED BY (12/19/58 & 2/18/59)

Vessels LAUNCH CS-181, Ships WAINWRIGHT & HILGARD

Chief of party LCDR Norman E. Taylor - LCDR John R. Plaggmier

Surveyed by John R. Plaggmier, Karl R. Anderson
P.T. Redden, J.T. Maldari, P.L. Rotondo

Soundings taken by fathometer, ~~graphic recorder, hand lead, wire~~

Fathograms scaled by Personnel, Ships WAINWRIGHT & HILGARD

Fathograms checked by same

Protracted by Alpha G. Atwill (Norfolk Office)

Soundings penciled by Alpha G. Atwill " "

Soundings in ~~fathoms~~ feet at MLW ~~MLLW~~ AND ARE TRUE DEPTHS

REMARKS:

U. S. GOVERNMENT PRINTING OFFICE 16—66520-1

D E S C R I P T I V E R E P O R T

TO ACCOMPANY HYDROGRAPHIC SURVEY H-8513 (FIELD NO. 1158)

PROJECT ~~12650~~ CS-408 COAST OF MAINE

SCALE 1:10,000

Norman E. Taylor - Chief of Party -- 1958
John R. Plaggmier - Chief of Party -- 1959

A. PROJECT:

Revised instructions dated 5 August 1955, Supplemental Instructions dated 5 December 1955, 9 October 1956, 22 October 1957, and (19 December 1958 (Project CS-408) AND 18 FEBRUARY 1959.)
THESE INSTRUCTIONS SUPERSEDE ALL PREVIOUS INSTRUCTIONS UNDER PROJECT 265

B. SURVEY LIMITS AND DATES:

This sheet covers PROSPECT HARBOR NORTH OF ~~an area from~~ latitude 44° 23' ~~to~~ AND GOULDSBORO BAY NORTH OF latitude 44° ~~30.5'~~ 24.1'; ~~longitude 67° 56.0' to 68° 02.5'~~. Limits were followed as stated in the instructions. This sheet makes junctions with WAHI-1157 ~~and WAHI-2156 on their~~ northern limits.
H-8514 (1957-58)

Field work began on 9/2/58 and was discontinued on 10/15/58. Work was resumed on 9/8/59 and was discontinued 9/21/59 with field work 95% completed.

C. VESSELS AND EQUIPMENT:

Launch CS-181 was used on a through x days, 9/2/58 through 9/21/59. The 808 fathometer #139SP was used from a through q days; 808 fatho- #138SPX was used from r through t days; u day was rejected due to excessive fathometer speed corrections. 808 fathometer #57-33 was used v through x days.

D. TIDE AND CURRENT STATIONS:

Bar Harbor Maine standard gage was used for reference and portable tide gages were installed at Prospect Harbor, Maine, Northern Goulds- boro Bay, and South Cove (Gouldsboro Bay). Hourly heights for the Gouldsboro Bay gages were furnished by the Washington Office and hourly heights for the Prospect Harbor area were scaled from marigrams of the gage located there.

Tide gage locations are listed on attachment No. 4.

There were no current stations maintained within the limits of this sheet.

E. SMOOTH SHEET:

THE PROJECTION FOR H-8513 (1958-59) PREPARED
The smooth sheet for 1158 was ~~projected~~ in the Washington Office. Shoreline and signals were transferred by WAINWRIGHT and HILGARD personnel using conventional methods. Transfers were verified by WAINWRIGHT and HILGARD personnel.

Smooth Sheet ~~is to be~~ WAS prepared by the Norfolk District Office. It is recommended that the present smooth sheet be destroyed because of its age and condition and a new sheet be projected.
A NEW SMOOTH SHEET WAS PREPARED BY THE NORFOLK OFFICE ON A MACHINE MADE PROJECTION.

F. CONTROL STATIONS:

All control was located by conventional methods. The signals employed are tabulated individually on Attachment No. 2.

G. SHORELINE AND TOPOGRAPHY:

Projection was made in the Washington Office and topography, shoreline and signals were applied by the Photogrammetry support party.

H. SOUNDINGS:

All soundings were obtained by conventional methods with 808 fathometer on A & B scale in feet.

J. CONTROL OF HYDROGRAPHY:

All control was by 3-point fix method on shore signals.

K. FATHOMETER CORRECTIONS:

Fathometer corrections were determined by bar checks taken daily or as frequently as possible. Curves were drawn from these bar checks and the corrections then scaled. These corrections are listed in Attachment No. 3.

Squat and settlement for Launch CS-181 is negligible. Initial was held at one (1) foot, therefore no correction was applied in this case. ↑DRAFT

L. ADEQUACY OF SURVEY:

This survey is incomplete (95% complete) and additional field work is necessary south of 44° 24.10 and east of 67° 59.5' for proper junction with sheets WA-2156 and 1157. - See Review Para. 5

H-8514 (1957-58)

Bottom samples on the chart are considered adequate, consequently no additional samples were taken. Adequate crosslines with good agreement were obtained. - See Review Para. 4

M. COMPARISON WITH PRIOR SURVEYS AND CHARTS:

Agreement in general with prior surveys H-1505 and charts 305 was good. - See Review Para. 6+7

N. DANGERS AND SHOALS:

Additional dangers on shoals were found in navigable portions of the area surveyed and are listed on Attachment No. 5.

O. AIDS TO NAVIGATION:

No fixed aids to navigation were located as all in the vicinity had been located previously.

Floating aids to Navigation are as follows:

Black and White Bell Buoy: Latitude 44°23.90', Longitude 68° 00.72', depth 50.2'; Position No. 1a, 9/2/58. - See Norfolk Office List ~~second~~ page 5

P. SILTED AREA:

No silting was noted in navigable areas of the sheet.

Q. LIST OF ATTACHMENTS:

1. Statistics
2. List of Signals
3. Fathometer corrections
4. Tide gages
5. Additional dangers to Navigation.

Respectfully submitted:

LeRoy E. Greenlaw

LeRoy E. Greenlaw
CQS, C&GS

Approved and Forwarded:

D. G. Rushford

D. G. Rushford, LCDR, C&GS
Commanding WAINWRIGHT & HILGARD

LEG/jrb

NORFOLK HYDROGRAPHIC PROCESSING BRANCH
FLOATING AIDS TO NAVIGATION
H-8513

BUOY	LATITUDE	LONGITUDE	DEPTH	POS. NO.	DATE
Prospect Inner Harbor Bell Buoy	44-23.91'	68-00.72'	50'	1 a	9/ 2/58
Clark Ledges Buoy 3	23.78'	00.75'	40'	51 e	9/11/58

See Review Para. 7B

ATTACHMENT NO. 2

LIST OF CONTROL STATIONS

H-8513 (1958-59)
SHEET HW-1158
(Hydrography)

STATION	ORIGIN	MANUSCRIPT
TRIANGULATION:		
COR	Corea Church Spire, 1902	T-8647 S/2
HARB	Prospect Harbor Light House, 1902-34	T-8588
TALL	Prospect Harbor tall church spire 1934	T-8588
NICK	NICK, 1945 ↖ WHITE	T-8647 N/2
BRIG	BRIG, 1945	T-8647 N/2
TOPOGRAPHIC		
ABLE ← MAX	ABLE, 1945 ← ARID, 1945	T-8647 S/2 ← T-8588
AZAN	AZAN, 1945	T-8647 S/2
BALL	BALL, 1945	T-8647 S/2
BANG	BANG, 1945	T-8647 N/2
BARE	BARE, 1945	T-8647 N/2
BEER	BEER, 1945	T-8647 N/2
BEND	BEND, 1945	T-8589
BEST	BEST, 1945	T-8589
BILK	BILK, 1945	T-8589
BODE	BODE, 1945	T-8589 ← T-8643 S/2
Δ ~~BRIG~~ ← BOT	~~BRIG, 1945~~ ← CHIMNEY, 1945	~~T-8647 N/2~~
CHI	CHIMNEY, 1945	T-~~8647 S/2~~ 8588
CONE	CONE, 1945	T-8647 S/2
CRAG	CRAG, 1945	T-8647 S/2
~~CULL~~ ← OLD	~~CULL, 1945~~ ← CHIMNEY, 1945	~~T-8647 S/2~~ ← T-8643 S/2
~~STACK~~ TACK	STACK, 1945	T-8588
URN	CHIMNEY, 1945	T-8647 S/2

PHOTO-HYDRO

ABE	T-8588	EVE	T-8643 S/2	
~~APT~~ ← AFT	~~T-8589~~ B.S.	FIT	~~T-8589~~ B.S	
ASK	T-8647 N/2	FOX	T-8647 S/2	
* BAC	~~T-8647 N/2~~	GAB	T-8643 S/2	
BAN	T-8647 N/2	GAS	~~T-8589~~ B.S	
BAT	T-8647 S/2	GUM	T-8588	
BOB	T-8588	GUT	T-8588	
BUL	~~T-8589~~ B.S.	HAG	~~T-8589~~ B.S.	
CAB	T-8647 N/2	HEN	~~T-8589~~ B.S	
CAN	~~T-8589~~ B.S	IDA	T-8647 S/2	
CAR	T-8588	ILL	~~T-8589~~ B.S	
DIG ← CUL	T-8588 ← T-8647 S/2	IMA	T-8588	
DOG	~~T-8589~~ B.S	JAP	T-8588	
DYE	T-8647 S/2	JIG	~~T-8589~~ B.S.	
EEL	~~T-8589~~ B.S	JIM	T-8647 S/2	

Note: stations marked 'B.S.' were transferred from boat sheet — See Addendum.

* Location - pg. 64, vol. #5

PHOTO-HYDRO (Continued)

JOY	T-8588	RUB	T-8647 S/2
KED	T-8647 N/2	SAL	T-8647 N/2
KIM	~~T-8589~~ B.S	SAY	T-8647 S/2
LEG	T-8647 N/2	SID	T-8647 N/2
LOB	T-8647 N/2	STY	T-8647 S/2
LOT	T-8647 N/2	SUN	T-8588
LOW	T-8647 N/2	TIP	T-8588
~~MAX~~	~~T-8588~~	TOP	T-8643 S/2
MIN	T-8647 S/2	TOT	T-8647 S/2
NEL	~~T-8589~~ B.S.	VET	T-8647 S/2
NER	T-8643 S/2	WAD	T-8647 S/2
NOR	T-8647 N/2	WAR	T-8647 S/2
OAT	T-8647 N/2	WAX	T-8647 S/2
ODE	T-8647 S/2	WES	T-8647 N/2
~~OLD~~	~~T-8643 S/2~~	WOO	T-8647 S/2
ORE	T-8643 S/2	YAK	T-8647 S/2
OWN	T-8643 S/2	YAM	T-8647 S/2
POP	T-8647 N/2	YEL	T-8647 N/2
PUP	~~T-8589~~ B.S.	YOU	T-8647 S/2
QUO	~~T-8589~~ B.S	~~EAG~~ZAG	T-8647 S/2
RAG	T-8588	ZIG	T-8647 S/2
REX	T-8647 S/2	ZOO	T-8647 S/2
ROC	T-8647 N/2		
SAM	T-8647 S/2		
TAD	T-8647 S/2		
~~RUB~~	~~T-8647 S/2~~		

FATHOMETER CORRECTIONS

Bar checks were taken to depths of fifty (50) feet. No temperature and salinity observations were taken due to extremely shoal water in the entire area surveyed. Bar checks were averaged and represented by smooth curves.

The following corrections were then scaled from the Bar Check curves:

Launch CS-181, a thru q days- 808 fathometer no. 139 SPX:

Depth (feet)	Correction
0.0 to 15.0	-0.4
15.1 " 25.0	-0.2
25.1 " 55.0	-0.4
55.1 " 80.0	-0.6
80.1 " 130.0	-1.0

Launch CS-181, r thru t days- 808 fathometer no. 138SPX:

Depth (feet)	Corrections
0.0 to 15.0	-0.2
15.1 " 35.0	+0.0
35.1 " 50.0	-0.2
50.1 " 62.0	-0.4
62.1 " 78.0	-0.6
78.1 " 130.0	-1.0

Launch CS-181, u day Rejected

Launch CS-181, v thru x days- 808 fathometer no. 57-33:

Depth (feet)	Corrections
0.0 to 2.0	-1.6
2.1 " 5.4	-1.4
5.5 " 8.0	-1,2
8.1 " 10.0	-1.0
10.1 " 12.0	-0.8
12.1 " 13.4	-0.6
13.5 " 15.6	-0.4
15.7 " 18.0	-0.2
18.1 " 24.0	0.0
24.1 " 36.0	+0.2
36.1 " 49.6	0.0
49.7 " -	-0.2

TIDE GAGES

In addition to the Standard Tide Gage at Bar Harbor, Maine, three portable gages were used. Their locations are as follows:

NORTH GOULDSBORO BAY:

Lat. 44° 28.09'
Long. 67° 58.24'

SOUTH GOULDSBORO BAY:

Lat. 44° 24.12'
Long. 67° 57.76'

Prospect Harbor:

Lat. 44° 23.96'
Long. 68° 01.35'

Hourly heights for both Gouldsboro Gages were furnished by the Washington Office. Hourly heights for Prospect Harbor and Corea were scaled from marigrams of the Prospect Harbor gage.

ADDITIONAL DANGERS & SHOALS

Object	Lat.	Long.	Pos. no.	Pres. Depth
Ledge	44° 24.55'	68° 00.57'	135c	1.0 ft.

The following submerged piling and fish wiers were noted:

1) Lat. 44° 27.93' to 44° 27.95' Piling
   Long. 67° 58.16' to 67° 58.35'

2) 44° 27.07' to 44° 27.15' Piling
   67° 57.90' to ~~Shore (Eastward)~~

3) 44° 26.64' to 44° 26.67' Weir
   67° 58.75' to ~~Shore (Westward)~~

4) 44° 25.48' to 44° 25.55' Weir
   67° 58.45' to ~~Shore (Westward)~~

NORFOLK HYDROGRAPHIC PROCESSING BRANCH
ADDENDUM
To Accompany

HYDROGRAPHIC SURVEY H-8513 (Wa-Hi 1158)

GENERAL

According to paragraphs B and L the field work on this survey is only 95% complete. It was smooth plotted in compliance with the Deputy Director's Priority List For Smooth Plotting Surveys, dated Jan. 9, 1964, C-835. SEE REVIEW Para. #, 5,

Soundings are in good agreement at crossings, and depth curves follow normal patterns in deeper waters then become very irregular as sounding lines appraach reef and ledge areas.

CONTROL

This office was unable to locate the blackline print of T-8589 showing the locations of photo-hydro stations. The stations in the List of Signals with the notation B.S. were transferred directly from the boat sheet. The authority for this action is contained in the Director's letter, dated July 21, 1964, 211.

CHART COMPARISON

See the accompanying overlay for a detailed comparison of the smooth sheet and chart 305. SEE REVIEW PARA. 9

DISCREPANCIES

Positions 109 to 112p were not smooth plotted as they fall inside the HWL.

PROCESSING

In volumes 1 through 10 the fathometer velocity corrections, as entered by the field, did not agree with their tabulated corrections. A check against the bar returns showed the appended corrections to be alright so these volumes were completely reprocessed by this office.

Respectfully submitted,

Hugh L. Proffitt

Hugh L. Proffitt
Cartographer

Norfolk, Va.
Feb. 18, 1965

FORM C&GS-712
(3-9-64)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

TIDE NOTE FOR HYDROGRAPHIC SHEET

7/2/65

Nautical Chart Division: R. H. Carstens

Plane of reference approved in
12 volumes of sounding records for

HYDROGRAPHIC SHEET 8513

Locality: Gouldsboro Bay, Maine

Chief of Party: J. R. Plaggmier (1958-59)

Plane of reference is mean low water

Tide Station Used (Form C&GS-681):
North Gouldsboro Bay
South Gouldsboro Bay
Prospect Harbor

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

North Gouldsboro Bay	10.6 ft.
South Gouldsboro Bay	10.4 "
Prospect Harbor	10.5 "

Remarks

NOTE: Tide reducers for the positions listed below have been revised in red and verified.

Vol.	Pos.
9	1s to 95s

J. M. Symons
Chief, Tides and Currents Branch

USCOMM-DC 6680-P64

FORM 197
(3-16-55)

GEOGRAPHIC NAMES

Survey No. H-8513

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
Cranberry Pt.	✓									1
Dyer Neck	✓									2
Gouldsboro Bay	✓									3
Joy Bay	✓									4
Prospect Harbor	✓ (Harbr.)	✓								5
West Bay	✓									6
Baker Cove	✓									7
Baker Point	✓			Names approved						8
Bald Rock	✓			4-15-65						9
Bar Island	✓			A. J. Wright						10
Cane Cove	✓									11
Clark Ledges	✓									12
Clark Point	✓									13
Corea Harbor	✓									14
Dolly Head	✓									15
Dry Island	✓									16
Dyer Point	✓									17
Eastern Island	✓									18
Garden Point	✓									19
Grand Marsh Bay	✓			Jan. 14, 1972						20
Guptill Point		✓		PREPARED BY						21
Inner Harbor		✓		Frank D. Hickett						22
Jetteau Point		✓		CARTOGRAPHIC TECHNICIAN						23
Joy Cove	✓									24
Lobster Island	✓			APPROVED BY A. Joseph Wright						25
Lobster Cove		✓		C.E. Harrington CHIEF GEOGRAPHER						26
Long Mill Cove	✓			2 Feb. 1978						27

FORM C&GS-946
(REV. 3-1-64)
(PRESC. BY HYDROGRAPHIC MANUAL 20-2, 6-94, 7-13)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
NAUTICAL CHART DIVISION

HYDROGRAPHIC SURVEY STATISTICS
HYDROGRAPHIC SURVEY NO. 8513

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

RECORD DESCRIPTION	AMOUNT	RECORD DESCRIPTION	AMOUNT
SMOOTH SHEET	1	BOAT SHEETS	1
DESCRIPTIVE REPORT	1	OVERLAYS	1

DESCRIPTION	DEPTH RECORDS	HORIZ. CONT. RECORDS	PRINTOUTS	TAPE ROLLS	PUNCHED CARDS	ABSTRACTS/ SOURCE DOCUMENTS
ENVELOPES						
CAHIERS	1					
VOLUMES	12					
BOXES						

T-SHEET PRINTS *(List)* Blackline prints 8647 N/2 & S/2
Film-positives 8647 N/2, S/2 and T-8588.

SPECIAL REPORTS *(List)*

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				1996
POSITIONS CHECKED	123		23	
POSITIONS REVISED	0		7	
DEPTH SOUNDINGS REVISED	0		13	
DEPTH SOUNDINGS ERRONEOUSLY SPACED	10		–	
SIGNALS ERRONEOUSLY PLOTTED OR TRANSFERRED	0		–	
	TIME (MANHOURS)			
TOPOGRAPHIC DETAILS		71	21	
JUNCTIONS		24	8	
VERIFICATION OF SOUNDINGS FROM GRAPHIC RECORDS		24	14	
SPECIAL ADJUSTMENTS			16	
ALL OTHER WORK			10.3	
TOTALS		357 hrs	162	

	BEGINNING DATE	ENDING DATE
PRE-VERIFICATION BY		
VERIFICATION BY James L. Hawkins	7-19-65	10-7-65
REVIEW BY Dennis J. Romesburg	12-8-71	1-7-72

Cons. Insp.: G.H. Myers 54 hrs. 2/14/78 D. Engle 12-29-78

USCOMM-DC 6641-P64

FORM 197
(3-16-55)

GEOGRAPHIC NAMES

Survey No.

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or List	G Rand McNally Atlas	H U. S. Light List	K	
Marsh Cove Point	✓									1
Marsh Point	✓									2
Newman Cove	✓									3
Outer Bar Island	✓									4
Parrit Cove	✓									5
Parrit Point	✓									6
~~Parrit~~ Point ~~Point~~ Pettees Point						(Board of Geo. Names Decision Subsequent to date of survey)				7
Prospect Harbor (town)	✓									8
Prospect Harbor Point	✓									9
Point Francis	✓									10
Rogers Point	✓									11
Sally Island	✓									12
Sampson Point	✓									13
Sand Cove (1)	✓									14
Sand Cove (2)	✓									15
Seal Ledge	✓									16
Shag Ledge	✓									17
Shark Cove	✓									18
Sheep Island	✓									19
Steuben Harbor	✓			Jan. 14, 1972						20
Stevens Point	✓			PREPARED BY						21
The Narrows		✓		Frank W. Hackett						22
Timber Cove		✓		CARTOGRAPHIC TECHNICIAN						23
Tucker Creek	✓			APPROVED BY						24
Wall Point	✓			A. Joseph Wright						25
Western Island	✓			C.E. Harrington CHIEF GEOGRAPHER 25 Feb. 1972						26

FORM 197
(3-16-55)

GEOGRAPHIC NAMES

Survey No.

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
Western Passage			✓							1
Wier Ledges			✓							2
Williams Point			✓							3
Val Point			✓							4
Frazer Passage		✓								5
YOUNGS POINT		✓								6
PROSPECT POINT		✓								7
COREA	✓									8
EASTERN WAY	✓									9
SALLY ISLANDS	✓									10
										11
										12
										13
										14
										15
										16
										17
										18
										19
										20
										21
										22
										23
										24
										25
										26
										27

Jan. 14, 1977

PREPARED BY

Frank W. Pickett

CARTOGRAPHIC TECHNICIAN

APPROVED BY

A. Joseph Wright

CHIEF GEOGRAPHER

C. E. Harrington
2 Feb. 1978

H-8513

Information for Future Presurvey Reviews

A comparison between prior and present depths reveals that the area of the survey has a relatively stable bottom except in the shoaler bay areas of soft bottom which have deepened since the prior survey. The unsurveyed area in the vicinity of Sally Islands should be completed at an opportune time in the future.

OFFICE OF MARINE SURVEYS AND MAPS

MARINE SURVEYS DIVISION

HYDROGRAPHIC SURVEY REVIEW

REGISTRY NO. H-8513 FIELD NO. WA-HI-1158

Maine, Dyer Neck, Goldsboro Bay and Prospect Harbor

SURVEYED: September 2 - October 15, 1958;
August 27 - September 21, 1959

SCALE: 1:10,000 PROJECT NO.: CS-408

SOUNDINGS: 808 Depth Recorders CONTROL: Sextant Fixes on Shore Signals

Chief of Party	N. E. Taylor
	J. R. Plaggmier
Surveyed by	J. R. Plaggmier
	K. R. Anderson
	P. T. Redden
	P. L. Rotondo
	J. T. Maldari
Protracted by	A. G. Atwill (AMC)
Soundings Plotted by	A. G. Atwill (AMC)
Verified and Inked by	J. C. Chambers
Reviewed by	D. J. Romesburg
	Date: January 7, 1972
Cursory inspection made--survey processing considered complete	G. K. Myers February 14, 1978

1. Description of the Area

This survey covers Prospect Harbor and Gouldsboro Bay along the Maine coast. The bottom is very rugged with many rocky shoals and reefs offshore. Two channels lead into West Bay and Joy Bay from the head of Gouldsboro Bay. Many ledges and gravel-strewn muddy flats extend along the shore. Deepest depths in the area of 80 to 90 feet are found at the entrance to Gouldsboro Bay. Predominant bottom characteristics of the area are mud and rocky.

2. Control and Shoreline

The control is adequately described in the Descriptive Report.

The shoreline originates with the final reviewed topographic manuscripts T-8643 S/2, T-8647 S/2, and T-8647 N/2 of 1944-48 plus T-8588 and T-8589 of 1944-46.

3. Hydrography

a. Depths at crossings are in good agreement.

b. The usual depth curves were adequately delineated except as noted in c. below. Some 3- and 36-foot depth curves were added to define the bottom configuration. In some cases, brown curves were drawn to emphasize lesser depths in areas of deeper soundings.

c. The development of the bottom configuration and the determination of least depths are considered adequate except as follows:

(1) Voids between launch and ship work precluded delineation of the curves in some inshore areas.

(2) Some natural channels are not considered adequately developed because of failure to run sounding lines along their axes as required by the manual.

Some lesser depths were carried forward from the prior surveys in areas not specifically investigated on the present survey.

4. Condition of Survey

The field plotting, sounding records, and the Descriptive Report are adequate and conform to the requirements of the Hydrographic Manual, except for the following:

a. Only a few bottom samples were obtained on the present survey.

b. Stamp No. 31 was not shown on the fathogram for S and T days as prescribed by paragraph 5-31 of the Hydrographic Manual.

5. Junctions

An adequate junction was effected with H-8514 (1957-58) on the south, except in an unsurveyed area in the vicinity of Sally Islands. Here, soundings from the prior survey should be retained on the chart.

6. Comparison with Prior Surveys

H-1127	(1871)	1:10,000
H-1505	(1881)	1:10,000

These surveys provide the only coverage of the present survey area. A comparison between prior and present depths reveals differences of only 2 to 4 feet in random areas throughout the survey. However, a few prior soundings appear erratic, probably as a result of the methods of surveying. For example, the 36- and 37-foot soundings from H-1505 in the immediate vicinity of latitude 44°25'17", longitude 67°57'58" fall in present depths of 46 and 47 feet.

Several prior depths on bottom irregularities have been carried forward to supplement present depths. Some rocks and bottom characteristics have also been brought forward to the present survey. With these additions, the present survey is adequate to supersede the prior surveys in the common area.

7. Comparison with Chart 305 (latest print date, April 10, 1969)

a. Hydrography

The charted hydrography originates with the previously discussed prior surveys which require no further consideration supplemented by partial application of depths from the boat sheet (Bp-57591) and unverified and verified smooth sheet of the present survey.

The 21-foot sounding charted in latitude 44°23'23", longitude 68°00'42" was erroneously plotted on the verified smooth sheet and should be deleted from the chart.

The 5-foot sounding charted in latitude 44°27.55', longitude 67°57.92' from the boat sheet of the present survey is erroneous and should be removed from the chart.

The radio tower charted at latitude 44°23'55", longitude 68°01'14" from Chart Letter 626 of 1961 was not located on the present survey. However, this landmark was removed from the chart through Coast Pilot information (CL-34/71) subsequent to the present survey.

The shoreline feature at latitude 44°23.3', longitude 68°00.87' named "Petty Point" at the time of the present survey was subsequently revised and appears on the current chart as "Petees Point." However, this name is spelled in error and should be charted "Pettees Point."

b. Aids to Navigation

The aids to navigation located on the present survey adequately mark the intended features.

Clark Ledge Beacon charted as a spindle in 1915 at latitude 44°23'53", longitude 68°00'53" was not located on the present survey.

8. Compliance with Instructions

The survey adequately complies with the project instructions.

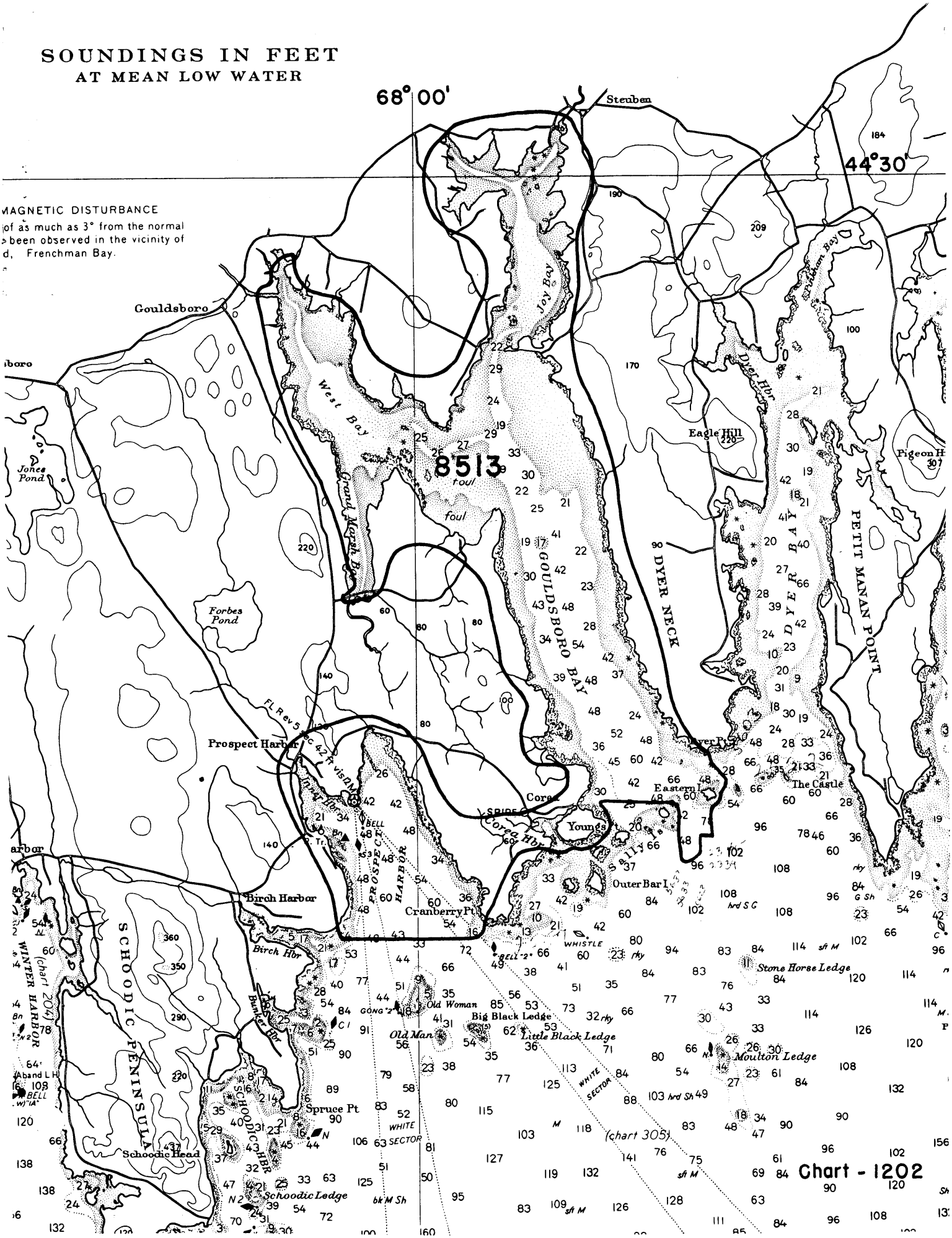
9. Additional Field Work

This survey is considered to be a good basic survey and no additional field work is recommended.

Examined and Approved:

for R H Carstens
Chief
Marine Surveys Division

R H Houston
Associate Director
Office of Marine Surveys
and Maps


SOUNDINGS IN FEET
AT MEAN LOW WATER
68° 00'
44° 30'
MAGNETIC DISTURBANCE
of as much as 3° from the normal
been observed in the vicinity of
d, Frenchman Bay.
Steuben
Gouldsboro
Joy Bay
West Bay
Grand Marsh Bay
Jones Pond
Forbes Pond
8513
foul
foul
GOULDSBORO BAY
DYER NECK
DYER BAY
PETIT MANAN POINT
Dyer Hbr
Eagle Hill
220
Pigeon H
307
Prospect Harbor
Inner Hbr
PROSPECT HARBOR
Corea
Corea Hbr
Youngs
Eastern L
The Castle
Outer Bar I
Sally
Birch Harbor
Cranberry Pt
Birch Hbr
Bunker Hbr
SCHOODIC PENINSULA
WINTER HARBOR
(chart 204)
Schoodic Head
Schoodic Ledge
SCHOODIC HBR
Spruce Pt
WHITE SECTOR
WHITE SECTOR
Old Woman
Big Black Ledge
Little Black Ledge
Old Man
Stone Horse Ledge
Moulton Ledge
(chart 305)
Chart - 1202

FORM C&GS-8352
(3-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. H-8513

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
305 (13324)	3/9/65	G. R. Johnson	~~Full~~ Part Before ~~After~~ Verification ~~Review Inspection Signed Via~~ ~~Drawing No.~~.
305 (13324)	3/30/66	G. R. Johnson	~~Full~~ Part ~~Before~~ After Verification ~~Review Inspection Signed Via~~ ~~Drawing No.~~
1202 R (13312)	7/18/66	G. R. Johnson	~~Full~~ Part ~~Before~~ After Verification ~~Review Inspection Signed~~ Via Drawing No. 12, cht 305
305 (13324)	11/20/73	Beverly B. Dugan	~~Full~~ Part ~~Before~~ After ~~Verification~~ Review BEFORE Inspection ~~Signed Via~~ ~~Drawing No.~~
13324 (305)	11/29/79	Josephine R. Harris	Full ~~Part~~ Before After ~~Verification~~ Review, CURSORY Inspection Signed Via Drawing No. COMPLETE APPLICATION OF HYDRO, CURVES, ROCKS ETC.
13312	4-12-85	Walter J. Figi	~~Full Part Before After Verification Review~~ Inspection Signed Via ~~Drawing No.~~ #31 Complete Application thru cht 13324 #16.
13318	4-12-85	Walter J. Figi	Full ~~Part Before~~ After ~~Verification Review~~ Inspection Signed Via Drawing No. #22 No Corrections
13312	6-13-89	Ed Martin	Full ~~Part Before~~ After Verification Review Inspection Signed Via Drawing No. 31 thru chart 13324
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.

FORM C&GS-8352 SUPERSEDES ALL EDITIONS OF FORM C&GS-975

USCOMM-DC 8558-P63