

8495

Diag. Cht. NO. 78-3.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Hydrographic

Field No. CO-1959 Office No. H-8495

LOCALITY

State Maryland - Virginia

General locality Potomac River

Locality Coan River and Vicinity

1959

CHIEF OF PARTY

C. A. Schoene

LIBRARY & ARCHIVES

DATE July 2, 1961

USCOMM-DC 5087

8495

U.S. GEOL. SURV. GEOL. DIV.

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-8495

Field No. Co-1959

State MARYLAND-VIRGINIA

General locality POTOMAC RIVER

Locality COAN RIVER and Vicinity
~~TRAVIS POINT & COAN RIVER, VA.~~

Scale 1:10,000 Date of survey 10 Aug. to 5 Oct. 1959

Instructions dated 23 April 1959

Vessel LAUNCH 178 & 25' SKIFF - OPERATING FROM SHIP COWIE

Chief of party CHARLES A. SCHOENE

Surveyed by D.G. RUSHFORD, E.W. JESTER, R.I. GREEN, C.W. RANDALL
O.C. SWINDELL, R.L. NEWSOM

Soundings taken by ~~XXXXXXXX~~, graphic recorder, ~~XXXXXXXXXX~~ POLE

Fathograms scaled by SHIP PERSONNEL

Fathograms checked by SHIP PERSONNEL

Protracted by A.K. SCHUGELD (Norfolk Processing Office)

Soundings penciled by A.K. SCHUGELD " " "

Soundings in ~~fathoms~~ feet at MLW ~~MLW~~

REMARKS:

DESCRIPTIVE REPORT

TO ACCOMPANY

HYDROGRAPHIC SURVEY H - 8495 (FIELD NO. CO-1959)

PROJECT NO. CS - 409

POTOMAC RIVER, MARYLAND

A. PROJECT:

The work was executed under ORIGINAL INSTRUCTIONS for Project CS-409, dated 23 April 1958.

B. SURVEY LIMITS AND DATES:

The area surveyed is on the south side of the Potomac River in the vicinity of its junction with Chesapeake Bay. The survey extends northward from the south shore of the river to latitude $38^{\circ} 03.1'$ on the western end and to latitude $38^{\circ} 01.5'$ on the eastern end. The survey extends from longitude $76^{\circ} 26.10'$ at a junction with hydrographic surveys CO-1859 and CO-2159, westward to longitude $76^{\circ} 30.5'$. The survey also extended into Coan River, The Globe and Kingscote Creek.

The index of hydrographic sheets and sheet layout was furnished by the Washington Office. Field work began on 10 August 1959 and ended on 23 October, 1959.

The eastern limits of the survey make a junction with survey H-8494, 1:10,000 1959, and survey H-8496, 1:20,000 1959. *H-8549 1960 on the West - 1:10,000*

C. VESSELS AND EQUIPMENT:

Launch 178 and our new 25 foot, flat-bottom skiff were used for all the sounding on this survey, based from the Ship COWIE. The skiff was used for soundings in the creeks and in the river from the shore out to a depth of about 6 feet. The launch sounded in depths from 4 to 43 feet.

All the sounding in launch 178 was done using 808 fathometer No 160-SFX calibrated at 820 fm/sec. with transducer units set in the bilges of the launch. All sounding from the skiff was done with a 16 foot sounding pole.

The launch was operated at speeds varying from 4 to 6 knots and the skiff from 3 to 6 knots. The turning radius of the boats was not determined.

D. TIDE AND CURRENT STATIONS:

Portable tide gages were maintained at Pt. Lookout, Maryland and Travis Point, Virginia during the entire period of this survey. The tide station at Travis Point was used for the reduction of all soundings on this survey. No Current Stations were observed.

E. SMOOTH SHEET:

The smooth sheet was started by personnel of the Ship COWIE and will be transferred to the Norfolk District Office at the end of the lay-up period. *Field plot was substandard - Survey was completely replotted by Norfolk Processing Office*

F. CONTROL STATIONS:

The basic triangulation in this area was done by the Virginia Fishery Commission in 1931. The majority of the signals were located by photogrammetric methods on Shoreline Manuscripts Numbered T-11046, T-11048 and T-11442. A number of supplemental signals were located by sextant angles and shown on the sheet in blue circles. The majority of the signals were located by Photo Party No. 723 under Ensign George F. Wirth.

The triangulation stations of the Virginia Fishery Commission were used as signals in the Glebe and in the mouth of the Coan River. These stations were plotted on the hydrographic sheet using G. P's based on the original Fishery Commission surveys.

No jumps on smooth plot - see Addendum

** It is probable that the locations of some of the photo-hydro stations in the creeks are poor because sizable jumps were experienced when executing the hydrography. There was an attempt to isolate these signals but there was not enough basic control to justify changing any signals. However, the accuracy of the control is considered to be within the necessary limits for a survey of this area of gentle slopes and regular bottom. The only triangulation stations recovered were the Virginia Fishery Commission's stations in the Glebe and Coan River. The river itself needs a new basic triangulation survey as the control is very limited now. *G. P's of signals ALE, CAR, CAT, END and RED were computed from theodolite cuts. These G. P's were used in smooth plotting. See Appendix (Original Copy) of Hydrography Report H-8496 (Field No. 2159) for the computations of these locations.

* Computations are filed with photographs of H-8496

** Smooth plot is adequate.

An alphabetical listing of signals and their respective sources is appended to this report and to the inside cover of Volume I.

G. SHORELINE AND TOPOGRAPHY:

The shoreline and topography details were obtained from Shoreline Manuscripts Numbered T-11046, T-11048 and T-11442 at a scale of 1:10,000. The manuscripts are not dated but show the photography as being done in October 1952.

The shoreline in this area is being eroded rapidly except in areas protected by bulkheads and groins. All creek entrances are eroding and the shoreline of some of the creeks is changing.

The low water line is not adequately defined by the soundings because of the low range of tides in this area. Sounding was accomplished with a skiff with a 1 foot draft to obtain the maximum feasible quantities of zero soundings.

H. SOUNDINGS:

Soundings by the launch were made with an 808 fathometer calibrated at 820 fm/sec. and a lead line was used in taking bottom samples.

Soundings by the 25 foot skiff were made with a 16 foot sounding pole and a lead line was used in taking bottom samples.

I. CONTROL OF HYDROGRAPHY:

The hydrography was principally controlled by three-point fixes taken on hydrographic signals and natural objects. In many instances of sounding close to the shore and particularly in the creeks, positions were obtained by estimating the distance from a signal, or by spotting the location on the boat sheet.

J. ADEQUACY OF SURVEY:

This survey is considered to be complete and adequate to supersede all prior surveys for charting purposes. The junctions with all adjoining surveys are satisfactory and the depth curves can be adequately drawn at the junctions.

K. CROSSLINES:

Crosslines were run at approximately 10 percent of the regular system of lines. The crossings are generally in good agreement and no significant discrepancies were found. The soundings on the boat sheet were based on predicted tides and the small fathometer corrections were not applied. Consequently there are some instances of apparent boat sheet discrepancies of 1 or 2 feet. It is believed that most of these discrepancies will be resolved when the soundings are smooth plotted.

L. COMPARISON WITH PRIOR SURVEYS:

The only prior survey of the river is H-2754, Scale 1:20,000, 1905. This survey has a line spacing of 800 to 1,000 meters which preclude a detailed and adequate comparison with the 1959 survey. There is also a large area near the shore which apparently had not been previously surveyed.

There was also a prior survey, H-968, Scale 1:20,000, 1868, of the Coan and Glebe Rivers. This survey agrees with the new survey except in some of the inshore shallower water.

A boat sheet comparison with the old survey indicates good agreement.

There are no junctions with prior surveys.

M. COMPARISON WITH CHART:

The present survey has been compared with Chart No. 557, Potomac River, Scale 1:40,000, revised 9/29/58. The sounding on the chart are in excellent agreement with the present survey except in some of the shallower areas close to the shore. All the soundings which are not in agreement with this survey should be deleted.

N. DANGERS AND SHOALS:

A rock or rock pile with a shoal depth of ¹⁰ 11 feet was found in water with a general depth of 18 to 21 feet, latitude 38° 01.70', longitude 76° 28.62'. This is known by local fishermen as "GREAT ROCK".

See development on overlay

There was no other important dangers or shoals and all charted dangers and shoals were found as charted.

P. AIDS TO NAVIGATION:

The positions of fixed aids to navigation will be reported on Form 567.

FIXED AIDS: *see also CL 1327(1959)*

Red Beacon - off Lynch Point - flashing red. Latitude 38° 02.42', longitude 76° 30.05', in 8 feet of water, located by hydro sextant cuts indicated in Volume 4, page 20 and also by theodolite cuts. *filed with RED (Lynch Pt. Lt.) H-8496*

Coan River Red Day Beacon No. 8. Latitude 37° 59.53', longitude 76° 27.97', located by skiff, position 55k, 25 August 1959 in 6 feet of water.

Coan River Red Day Beacon No. 10. Latitude 37° 59.40', longitude 76° 28.04', in 7 feet of water, located by skiff, position 56k, 25 August 1959.

Coan River Red Day Beacon No. 12. Latitude 37° 59.07', longitude 76° 27.97', in 8 feet of water, located by skiff, position 57k, 25 August 1959.

Coan River Red Day Beacon No. 14. Latitude 37° 58.94', longitude 76° 27.81', in 5 feet of water, located by skiff, position 58k, 25 August 1959.

FLOATING AIDS: *see N.P.O. list*

Coan River Red Num Buoy No. 2. Latitude 38° 01.75', longitude 76° 26.14', in 26 feet of water, located by launch 178, position 184g, 22 September 1959.

Coan River Red Num Buoy No. 4. Latitude 38° 00.71', longitude 76° 26.64', in 19 feet of water, located by launch 178, position 1d, 9 September 1959.

Q. LANDMARKS FOR CHARTS:

There are no landmarks charted in the area and none are recommended for charting.

Fixed Aids:

*Coan River Light (1954) Lat. 38° 59.6'
Long. 76° 27.19'
Red Bn 16 - T-11046 Lat
Red Bn 18 - T-11046 Lat
Black Bn 19 - T-11046 Lat*

R. GEOGRAPHIC NAMES;

Copy
A report on GEOGRAPHIC NAMES will not be submitted for this project as no special investigation was made. It is assumed that a report on names was made at the time of the photogrammetric survey of this area. No discrepancies in charted names were found during the survey.

U. FATHOMETER CORRECTIONS;

An average of two bar checks were taken daily at depths ranging from 5 to 40 feet. These bar checks were averaged and a curve drawn of the resulting corrections. The fathometer initial was set at 1.0 foot at all times. A tabulation of the fathometer corrections follows:

"A" SCALE

<u>FROM</u>	<u>TO</u>	<u>CORRECTION</u>
0.0	19.1	- 0.6
19.2	29.0	- 0.8
29.1	38.8	- 1.0
38.9	48.6	- 1.2

"B" SCALE - NOT USED

Z. TABULATION OF APPLICABLE DATA;

Tide Marigrams, Travis Point - Transferred to
Washington Office
5 January 1960

Tide Reducers - 3 sheets.

Fathometer Corrections - 3 sheets.

Sounding Volumes - 1 through 13.

Fathograms - a-day through m-day, Launch 178.

Boat Sheet - CO-1959.

Manuscripts - T-11046, T-11048 and T-11442.

Smooth Sheet - CO-1959.

Descriptive Report - 2 copies.

A List of Signals is attached to the inside cover
of Volume I.

List of Virginia Fishery Commission's G. P's.

Glebe Branch of the Coan River.

APPROVED AND FORWARDED

E. H. Sheridan
CDR., C&GS.
for C. A. SCHOENE
CDR., C&GS.

Respectfully submitted,
Ronald L. Newsom
Ronald L. Newsom
Ensign, C&GS.

TIDE NOTE

TO ACCOMPANY

HYDROGRAPHIC SURVEY H - 8495 (FIELD NO. CO - 1959)

PROJECT NO. CS - 409

POTOMAC RIVER, MARYLAND

A portable automatic tide gage at Travis Point, Virginia
was used for obtaining tide reducers for the entire survey.

This gage is located at latitude $37^{\circ} 59' 45''$, longitude
 $76^{\circ} 28' 02''$. No time or height corrections were applied

to the observed tides. The height datum was MLW which was
2.5 feet on the tide staff.

The tide corrections were scaled directly from the marigram
and checked by personnel of the Ship COWIE.

G.P.'s

-GLEBE BRANCH OF THE COAN RIVER- ✓

~~LUBE~~
~~604E~~

✓ Glebe F, VFC (double white banner with a white flag) 37-59-34.313 ✓ 1057.9m ✓ (792.0)
76-29-07.017 ✓ 171.2m ✓ (1292.8)

MIK E

(Virginia Fishery Commission)

✓ Glebe N, VFC (white flag) 37-59-17.888 ✓ 551.5m ✓ (1298.4)
76-29-35.318 ✓ 861.9m ✓ (602.2)

~~BARE~~

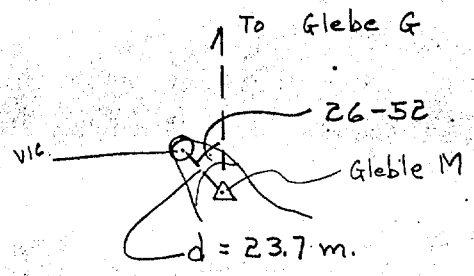
✓ Cedar, VFC, 1931 Northumberland Co. (double white banner) 37-59-28.102 ✓ 866.4m ✓ (983.5)
76-29-55.873 ✓ 1363.4m ✓ (100.7)

APEY ✓

✓ Glebe C, VFC (white flag) 37-59-12.988 ✓ 400.4m ✓ (1449.5)
76-30-00.459 ✓ 11.2m ✓ (1453.0)

VIC

✓ Glebe M, VFC (single white banner) 37-59-14.846 ✓ 457.7m ✓ (1372.2)
76-29-26.143 ✓ 637.9m ✓ (826.3)
VIC = 620.0 (844.2)
The signal is 23.7 meters from Glebe M on an angle of 26° 52' from Glebe G, VFC (left from Glebe G)



Az. M-G = 256.3
26.52
20.9 - 24.2

637.9	1392.2
826.3	457.7
1464.2	1849.9
573.0	473.3
891.2	1376.7

B/10 ff
KINGS
COTE
Glebe K, L, H, G

JRFW

RON

$$\phi = 564.2 \quad (1285.7)$$

$$\lambda = 1227.3 \quad (236.8)$$

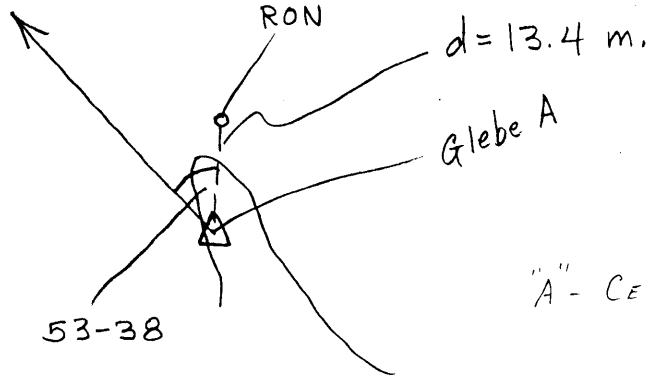
Glebe A, VFC
(single white banner)

$$37-59-17.929 \quad \times \quad 552.8m \quad \times$$

$$76-29-50.580 \quad \times \quad 1234.3m \quad \times$$

The signal is 13.4 meters from Glebe A on an angle of 53° 38' from Cedar (BARE) to RON.

To Cedar



$$\begin{array}{r} 552.8 \\ + 11.4 \\ \hline 564.2 \end{array}$$

$$\begin{array}{r} \text{"A" - CEDAR} = 157-37 \\ + 53-38 \\ \hline 211-15 \end{array}$$

(31)

$$\begin{array}{r} 1464.1 \\ 1227.3 \\ \hline 236.8 \end{array}$$

$$\begin{array}{r} 1849.9 \\ 564.2 \\ \hline 1285.7 \end{array} \quad \begin{array}{r} 1234.3 \\ - 7 \\ \hline 1227.3 \end{array}$$

GFW

STATISTICS

TO ACCOMPANY

HYDROGRAPHIC SURVEY H - 8495 (FIELD NO. CO - 1959)

PROJECT CS - 409

POTOMAC RIVER, MARYLAND

LAUNCH 178

FATHOMETER NO. 160-SPX

<u>DATE</u>	<u>DAY LETTER</u>	<u>VOL. NO.</u>	<u>NO OF POS.</u>	<u>NAUT. MI. SOUNDINGS</u>	<u>TOTAL MI. RUN</u>
9/5/59	a (blue)	1	95	10.0	13.5
9/7/59	b "	1	167	18.4	22.6
9/8/59	c "	1 & 2	157	18.6	21.4
9/9/59	d "	2	33	4.8	9.3
9/10/59	e "	2	151	24.0	28.8
9/18/59	f "	3	122	16.4	20.4
9/20/59	g "	3 & 4	238	36.9	41.9
9/21/59	h "	4	207	33.1	40.1
9/22/59	j "	4 & 5	129	15.4	34.1
9/23/59	k "	5	181	25.3	35.3
10/4/59	l "	5 & 6	163	22.4	35.4
10/5/59	m "	6	106	12.2	23.2
TOTALS			1,749	237.5	326.0

ARK (25' SKIFF)

POLE SOUNDINGS

8/10/59	a (purple)	7	118	15.8	22.4
8/11/59	b "	7	93	11.7	20.2
8/12/59	c "	7	105	12.3	25.1
8/13/59	d "	7 & 8	132	12.9	26.9
8/20/59	e "	8	106	10.5	22.5
8/21/59	f "	8	113	10.9	19.9
8/22/59	g "	8 & 9	99	7.6	17.6
8/23/59	h "	9	102	8.8	21.0
8/24/59	j "	9	102	8.4	19.4
8/25/59	k "	9 & 10	106	9.7	17.2
8/26/59	l "	10	147	13.3	20.1
8/27/59	m "	10 & 11	164	19.5	29.3
9/4/59	n "	11	47	4.1	12.6
9/10/59	p "	11	107	9.3	13.3
9/19/59	q "	11	82	7.9	12.4
9/20/59	r "	11 & 12	72	6.7	11.7
9/21/59	s "	12	130	10.0	19.0
9/22/59	t "	12	139	11.4	18.9
9/23/59	u "	12 & 13	104	7.9	20.2
9/24/59	v "	13	61	8.0	17.7
10/3/59	w "	13	101	11.5	29.0
TOTALS			2,129	206.7	387.4

Total nautical square miles of soundings - 11.5

2,232

218.2

416.4

LIST OF SIGNALS

See NPO List

TO ACCOMPANY HYDROGRAPHIC SURVEY H - 8495 (FIELD NO. CO - 1959)

PROJECT CS - 409

POTOMAC RIVER, MARYLAND

<u>NAME</u>	<u>ORIGIN</u>	<u>NAME</u>	<u>ORIGIN</u>
ACE	Triangulation G.P. GLEBE "G", 1931 (VFC)	Dav	T - 11046
Ago	T - 11046	Day	Red Day Beacon # 14, hydro sextant, Vol. 9, pg. 65
Aha	T - 11046	Deb	T - 11046
Ale	Theodolite cuts computed	Ded	Hydro-sextant, Vol. 13
Alp	T - 11046	Dik	T - 11046
Ant	(Hydro)(Day Beacon #16) T - 11046	Dix	T - 11046
APEY	Triangulation G.P. GLEBE "C", 1931 (VFC)	Duk	Hydro-sextant, Vol. 7
Apt	Topo T - 11046	Ear	T - 11046
Axe	Sextant cuts, Vol. 9 checked & T - 11046	Ebb	Hydro T - 11046
Bad	T - 11046	Eel	T - 11046
Bat	T - 11442	Ego	T - 11046
Bee	T - 11442	Elf	Hydro T - 11046
Bet	Hydro T - 11046	End	Theodolite cuts computed
Bev	T - 11046	Erb	T - 11046
Bil	T - 11046	Fin	Hydro T - 11046
BLUFF	Triangulation G.P. (VFC) 1931	Fis	T - 11046
Boa	Topo T - 11046	Fun	T - 11046
Bon	Sextant cuts, Vol. 8 T - 11046	Gag	T - 11046
Box	T - 11046	Gal	T - 11046
Bry	T - 11046	Gas	T - 11046
Bud	Hydro-sextant, Vol. 11, pg. 42	Gem	T - 11442
Bun	T - 11046	Gig	T - 11048 & 11046
But	T - 11046	Hat	Hydro-sextant, Vol. 13
Cam	T - 11048 & T - 11046	Hit	T - 11046
Car	Theodolite cuts - topo computed	Hoe	T - 11046
Cat	Theodolite cuts computed	Hot	Hydro-sextant cut, Vol. 11
CEDAR	Triangulation G.P. CEDAR 1931 (VFC)	Ice	T - 11046
Ced	Hydro-sextant cuts, Vol 11.	Ida	T - 11046
Chi	Hydro-sextant, Vol. 12, pg. 39	Ike	T - 11046
Cog	T - 11046	Ion	T - 11046
Con	T - 11046	Irk	T - 11046
Coo	T - 11046	Its	Hydro-sextant, Vol 9, T - 11046
Cor	Photo pt. #648 T - 11046	Jak	T - 11046
COTE	Triangulation G.P. COTE 1931 (VFC)	Jan	T - 11442
Cow	T - 11046	Jaz	Hydro T - 11046
Cox	Hydro T - 11046	Jer	T - 11046
Cup	Hydro-sextant, Vol. 13	Jim	T - 11046
Cut	T - 11442	Jug	Hydro T - 11046
Dam	T - 11046	Jut	Hydro T - 11442
		Kam	T - 11046
		Kay	T - 11046
		Ked	T - 11046
		KINGS	Triangulation G.P. KINGS (VFC) 1931
		Kip	T - 11046
		Kit	T - 11046

LIST OF SIGNALS (CONTINUED)

TO ACCOMPANY HYDROGRAPHIC SURVEY H - 8495 (FIELD NO. 00 - 1959)

PROJECT CS - 409

POTOMAC RIVER, MARYLAND

<u>NAME</u>	<u>ORIGIN</u>	<u>NAME</u>	<u>ORIGIN</u>
Kov	T - 11046	Oak	T - 11046
Lax	T - 11046	Rag	T - 11046
Leg	T - 11046 Hydro-sextant Vol. 9	Rax	T - 11442
Leo	Hydro T - 11046	Rat	Hydro T - 11442
Let	T - 11046	Reb	T - 11046
Light	T - 11046	Red	Hydro(sextant), Vol 4 & <i>located by</i> Theodolite cuts computed. Red <i>topographic</i> <i>methods</i>
Lin	Hydro(sextant) Vol. 12, pg. 39	Beacon	off Lynch Pt.
Lis	T - 11046	Ric	Hydro T - 11046
Lod	T - 11046	Rob	T - 11046
Lot	T - 11442	RON	Triangulation G.P. GLEBE "A" (VFC) 1931
LUBE	Triangulation G.P. GLEBE "F" (VFC) 1931	Roy	T - 11046
Mac	Hydro(sextant) Vol. 13	Rum	Hydro T - 11046
Mal	T - 11046	Sad	T - 11046
Mar	Hydro T - 11046	Sag	T - 11046
Meg	Hydro T - 11442	She	T - 11046
Met	T - 11046	Shi	T - 11046
Mic	T - 11442	Sic	T - 11046
MIKE	Triangulation G.P. GLEBE "N" (VFC) 1931	Sis	T - 11046
Mis	T - 11046	Sol	T - 11046
Mor	T - 11046	Sto	Hydro-sextant, Vol. 13
Mum	T - 11046	Sue	T - 11046
Navy	T - 11442	Tam	Hydro-sextant, Vol. 7
Nec	T - 11046	Tel	T - 11046
New	Hydro-sextant, Vol. 9	Ten	Red Day Beacon #10, hydro- sextant, Vol. 9 pg. 65
Nib	T - 11046	Tit	T - 11046
Nip	Hydro T - 11046	Tol	T - 11442
Nit	T - 11442	Ton	T - 11442
Nub	T 11046	Tot	T - 11046
Nux	T - 11046	Tra	Hydro-sextant cuts, Vol. 11
Oar	T - 11442	Tub	T - 11046
Off	T - 11046	Use	T - 11046
Ohm	Hydro-sextant, Vol. 9	VAL	Triangulation G.P. GLEBE "L" (VFC) 1931
Oil	T - 11046	VIC	Triangulation G.P. GLEBE "M" (VFC) 1931
Oep	T - 11046	Vim	T - 11046
Ore	T - 11046	Wal	T - 11046
Owl	T - 11046	Was	T - 12046
Pax	T 11442	Why	Hydro T - 11046
Peg	Hydro T - 11046	Won	Red Day Beacon #12, hydro- sextant, Vol 9, pg. 65
Pic	T - 11046	Woo	Hydro-sextant cuts, Vol. 11 T - 11046
Poi	T - 11046	Yak	Triangulation G.P. GLEBE "H" (VFC) 1931
Pol	Red Day Beacon # 8, Hydro-sextant, Vol. 9 pg. 64		
Pup	Hydro T - 11046		

LIST OF SIGNALS (CONTINUED)

TO ACCOMPANY HYDROGRAPHIC SURVEY H - 8495 (FIELD NO. CO - 1959)

PROJECT CS - 409

POTOMAC RIVER, MARYLAND

<u>NAME</u>	<u>ORIGIN</u>	<u>NAME</u>	<u>ORIGIN</u>
Yak	Triangulation G.P. GLEBE "H" (VFC) 1931	Zag	T - 11046
Yel	T - 11046	ZIG	Triangulation G. P. GLEBE "K" (VFC) 1931
Yet	T - 11046	Zoo	T - 11046
You	Hydro-sextant, Vol 13	ZOTY	Triangulation G.P. DOWNING, 1931 T - 11046

NORFOLK PROCESSING OFFICE
LIST OF SIGNALS
H-8495

TRIANGULATION STATIONS

ACE	GLEBE G, 1931	
APEY	GLEBE C, 1931	
BLUFF	BLUFF, 1931	
CEDAR	CEDAR, 1931	
COTE	COTE, 1931	
KINGS	KINGS, 1931	
LUBE	GLEBE F, 1931	
MIKE	GLEBE M, 1931	
-	GLEBE A, 1931	(Used to locate RON)
VAL	GLEBE L, 1931	
-	GLEBE M, 1931	(Used to locate VIC)
YAC	GLEBE H, 1931	
ZIG	GLEBE K, 1931	
ZOTY	DOWNING, 1931	

TOPOGRAPHIC STATIONS (Source-computed theodolite cuts, see H-8496)

ALE	CAR	CAT	END	RED
-----	-----	-----	-----	-----

(Source-azimuth and distance)

RON	VIC
-----	-----

(Source T-11046)

AGO	AHA	ALP	ANT	APT	AXE	BAD	BET	BEV	BIL	BOA
BON	BOX	BRY	BUN	BUT	CAM	COG	CON	COO	COR	COW
COX	DAM	DAV	DEB	DIK	DIX	EAR	EBB	EEL	EGO	ELF
ERB	FIN	FUN	GAG	GAL	GAS	HIT	HOE	HOT	ICE	IDA
IKE	ION	IRK	JAK	JAZ	JER	JIM	JUG	KAM	KAY	KED
KIP	KIT	KOV	LAX	LEO	LET	LIGHT	LIZ	LOD	MAL	MAR
MET	MIS	MOR	MUM	NEO	NIB	NIP	NUB	NUX	OFF	OIL
OOP	ORE	OWL	PEG	PIC	POI	PUP	QAK	RAG	REB	RIO
ROB	ROY	RUM	SAD	SAG	SHE	SHI	SIC	SIS	SOL	SUE
TEL	TIT	TOT	TUB	USE	VIM	WAL	WAS	WHY	WOO	YEL
YET	ZAG	ZOO								

(Source T-11048)

GIG

(Source T-11442)

BAT	BEE	CED	CUT	GEM	JAN	JUT	LOT	MEG	MIC	NAVY
NIT	OAR	PAD	RAK	RAT	TOL					

CONTINUED

LIST OF SIGNALS
 (Continuation)

HYDROGRAPHIC STATIONS

BUD	VOL.	11	pg.	42 ✓
CHI	"	12	39 ✓	
CUP		13	7,8&9 ✓	
DAY		9	65 ✓	
DED		13	7,8,9,&10 ✓	
DUK		7	30 ✓	
HAT		13	7,8,&9 ✓	
ITS		9	34 ✓	
LEG		9	34 ✓	
LIN		12	39 ✓	
MAC		13	8,9&10 ✓	
MAR		9	34 ✓	
NEW		9	34 ✓	
OHM		9	34 ✓	
POL		9	64 ✓	
STO		13	8&10 ✓	
TAM		7	30 ✓	
TEN		9	65 ✓	
TON			Boat sheet (see addendum) ✓	
WON		9	65 ✓	
YOU		13	7,8,9&10 ✓	

NORFOLK PROCESSING OFFICE
FLOATING AIDS TO NAVIGATION
H-8495

<u>BUOY</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>	<u>DEPTH</u>	<u>POS. NO.</u>	<u>DATE</u>
<u>POTOMAC RIVER</u>					
Coan R. Entr. Buoy 2	38-01.18 [✓]	76-26.1 5 ⁴	26'	134g	9/20/59
Coan R. Entr. Buoy 4	38-00.71'	76-26.68'	19'	1d	9/ 9/59

NORFOLK PROCESSING OFFICE
ADDENDUM
To Accompany

HYDROGRAPHIC SURVEY H-8495 (Co-1959)

GENERAL

This is an excellent basic survey, and other than minor problems experienced with some of the photo-hydro stations, no unusual conditions were encountered during the smooth plot. Soundings are in good agreement at crossings.

CONTROL DISCREPANCIES

The sizeable position jumps, noted by the field party in paragraph "F", were not experienced during the smooth plot. This may be attributed to the following adjustments to hydrographic station locations by this office.

All photo-hydro stations, which were located by sextant and had the angles recorded in the sounding volumes, were replotted on the smooth sheet and symbolized with blue circles. Some of these stations differ slightly from positions shown on the control compilations, and radical adjustments were made in the positions of LEG, MAR and ITS. However, these stations agree closely with the boat sheet locations. *Smooth plot adequate*

Station TON was transferred directly from the boat sheet and symbolized with a blue circle. The compilation location gave obvious jumps in the sounding lines. No other source could be found.

POSITION DISCREPANCIES

Under paragraph "G" the field party calls attention to a general erosion of unprotected shoreline in this area, and the only field revision noted is in the vicinity of the tide station. Because of this note, the following areas are considered questionable due to these position falling inside the HWL.

Kingscote Creek *Satisfied during verification.*
Lat. 38-00.3' and Long. 76-28.0' Positions 8 and 9d (purple) were not smooth plotted. *detached positions; minus soundings accomplished at High Tide. (2 positions)*

Great Point
Lat. 37-59.2' and Long. 76-26.6' Positions 30a and 1w (purple) were plotted on one angle, time and course to place them outside the HWL. *area of eroding shoreline; foul with fallen trees and snags. (2 positions)*

Lat. 37-59.7' and Long. 76-30.0' Positions 112, 113 and 114s (purple) were not smooth plotted because of weak fixes. They are detached positions on small piers.

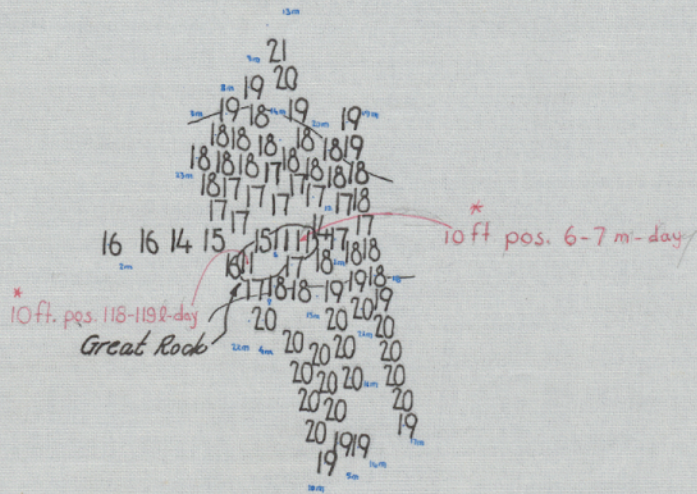
Piers as they appear on Bps 61706-07 should be charted.
Norfolk, Va.
12 July 1961

Respectfully submitted,
Hugh L. Proffitt
Hugh L. Proffitt
Cartographer

76° 29'

76° 28'

38° 02'



* Verifier O.J.K

COWIE 1959

OVERLAY TO ACCOMPANY

H-8495

Launch 178

Positions 1m 23m 5 October 1959

38° 01'

GEOGRAPHIC NAMES
Survey No. H-8495

Name on Survey	<div style="display: flex; justify-content: space-between; font-size: small;"> On Chart No. 557 On previous survey No. On U. S. quadrangle Maps From local information On local Maps P. O. Guide or Map Rand McNally Atlas U. S. Light List B&N </div>										
	A	B	C	D	E	F	G	H	K		
Boathouse ^{Pond} Point ✓	x										1
Coan River ✓	x										2
Glebe Creek ✓	x										3
Hawk Nest Point	x										4
Hog Island ✓	x										5
Honest Point	x										6
Judith Sound	x										7
Killneck Creek	x										8
Kingscote Creek ✓	x										9
Popes Point	x										10
Rowes Landing	x										11
Stevens Point	x										12
The Glebe ✓	x										13
Travis Point ✓	x										14
Walnut Point ✓	x										15
Wrights Cove ✓	x										16
											17
											18
											19
											20
											21
											22
											23
											24
											25
											26
											27

Joseph W. Bove
 Geographic Names Section
 31 July 1961

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. ..8495..

Records accompanying survey: Smooth sheets¹;
 boat sheets²; sounding vols.¹³; wire drag vols.;
 Descriptive Reports ..¹..; graphic recorder envelopes⁶;
 special reports, etc. 2-Boat sheet overlays, 1-Overlay soundings
 and 1 Cahier-3-Sheets velocity corrections and 3-Sheets tide
 reducers.

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

Number of positions on sheet	.....	3798
Number of positions checked	.....	230
Number of positions revised	.....	1
Number of soundings revised (refers to depth only)	.....	24
Number of soundings erroneously spaced	.....	5
Number of signals erroneously plotted or transferred	.....	0
Topographic details	Time	30 hrs
Junctions	Time	10 hrs
Verification of soundings from graphic record	Time	15 hrs
Special adjustments	Time	.....

Verification by *Kennon, D.J.* Total time *407* Date *8-29-62*

Reviewed by *Ernest E. Thomas* Time *65* Date *10-8-62*

OFFICE OF CARTOGRAPHY

REVIEW SECTION -- NAUTICAL CHART DIVISION

REVIEW OF HYDROGRAPHIC SURVEY

REGISTRY NO. H-8495

FIELD NO. CO-1959

Maryland - Virginia, Potomac River, Coan River and Vicinity

SURVEYED: August-October 1959

SCALE: 1:10,000

PROJECT NO. CS-409

SOUNDINGS: 808 Depth Recorder
Sounding Pole

CONTROL: Sextant
fixes on
shore sig-
nals

Chief of Party-----C. A. Schoene
Surveyed by-----D. G. Rushford, B. W. Jester,
R. I. Green, C. W. Randall,
O. C. Swindell, R. L. Newsom
Protracted by-----A. K. Schugeld
Soundings plotted by-----A. K. Schugeld
Verified and inked by-----D. J. Kennon
Reviewed by-----E. E. Thomas
Inspected by-----R. H. Carstens

Date: 10/8/62

1. Description of the Area

The present survey is located in the lower Potomac River about 6 to 7 miles upstream from the entrance into the Chesapeake Bay and covers the Coan River and approaches, the Glebe and Kingscote Creek.

The bottom is fairly irregular, characterized by numerous sand and shell ridges of which those outlined by the 18 ft curve protrude more than a mile offshore.

The creek areas are fairly regular with mud bottoms; general depths are 4 to 12 feet, with occasional depths greater than 12 feet in scattered portions, where the natural channels have not been filled by silting.

Generally all channel and shoal areas are well-delineated and apparent on the smooth sheet. Depths along the axis of the marked channel into Coan River range from 9 to 14 ft.

2. Control and Shoreline

The source of the control is adequately described in the Descriptive Report.

The shoreline originates with reviewed photogrammetric shoreline surveys T-11046, T-11048 and T-11442 of 1952-54. Revisions determined by the hydrographer are in red. Numerous changes and additions have apparently occurred in the interim between the date of the photography and the date of the present survey. Reference was therefore made to the 1960 photography for many details added to the smooth sheet, for which there was hydrographic information from the present survey.

3. Hydrography

- a. Depths at the crossings are in good agreement.
- b. The usual depth curves are in general adequately delineated.
- c. The 3-ft curve was added to accentuate the numerous shoal areas and shallow channels.
- d. The development of the bottom configuration and investigation of least depths is considered adequate.

4. Conditions of Survey

- a. The plotting by field personnel did not meet the standard of accuracy prescribed by the Hydrographic Manual and the smooth sheet was completely replotted by the Norfolk Processing Office.
- b. The sounding records and Descriptive Report are adequate and conform to the requirements of the Hydrographic Manual.
- c. The locations of some small piers in the vicinity of lat. $37^{\circ}59.65'$, long. $76^{\circ}29.95'$ are inadequate and

could not be supplemented by office information.
These piers were not plotted on the smooth sheet.

5. Junctions

An adequate junction was effected with H-8549 (1960) on the northwest, with H-8496 (1959) on the north and northeast, and with unverified survey H-8494 (1959) on the east.

6. Comparison with Prior Surveys

701 (1859-60)	1/20,000
794 (1860)	1/20,000
968 (1868)	1/20,000
<u>2754 (1905)</u>	<u>1/20,000</u>

A. Potomac River

- (1) A comparison of the 1859-60 (H-701) survey with the 1905 (H-2754) survey reveals that the agreement of the bottom configuration in depths greater than the 12-ft. curve was very good, however, depths of the 1905 survey had deepened as much as 5 ft. in the alongshore areas within the 12-ft. curve. Extensive erosion occurred, most notably in the vicinity of Hod Island at the entrance into Coan River, where the shoreline in 1905 receded 300 meters inshore of the 1859 position.
- (2) A comparison of the early prior survey of 1859-60 (H-701) with the present survey reveals that some silting of 1 to 3-ft. has occurred in depths greater than the 12-ft curve and the inshore erosion has been quite extensive. The shoreline, in the vicinity of Hog Island, on the present survey is approximately 800 meters inshore of the earlier delineation with depths as great as 6-ft occurring in prior high-water areas.

A comparison of the bottom configuration and shoreline recession of the 46 year period prior to 1905 with that of the last 50 years indicates an apparent acceleration in the rate of inshore erosion.

B. Coan River, The Glebe, and Kingscote Creek

A comparison of H-794 and H-968 (1860-68) with the present survey reveals little or no significant differences, except in the areas adjacent to the shoreline. The shoreline, particularly in that area where the three tributaries converge and empty into the Potomac River has undergone severe recession due to erosion. The most notable recession (180 meters) occurs in lat. $37^{\circ}59.4'$, long. $76^{\circ}28.2'$ where present survey depths of 2-ft exist in a prior high water area.

The deepening which has occurred in the Coan River and the realignment of the channel is due to maintenance dredging in 1934-36.

The following prior shoal soundings which are in conflict with the present survey are specifically noted:

- (1) A 1/2-ft sounding charted in lat. $37^{\circ}58.10'$, long. $76^{\circ}27.85'$ from H-968 (1868) falls between regular development lines on the present survey which were accomplished by sounding pole. The prior sounding, together with adjacent shoal sounding are not considered disproved and are carried forward to the present smooth sheet.
- (2) The 10-ft sdg in lat. $38^{\circ}01.46'$, long. $76^{\circ}28.30'$ from H-2754 falls in depths of 15 to 16 feet on the present survey in an area of even bottom. The development on the present survey is considered adequate to discredit the present existence of the 10 ft depth in its prior position.

The present survey, with the above addition, is adequate to supersede the prior surveys within the common area.

7. Comparison with Chart 557 (latest print 10/2/61)

A. Hydrography

The charted hydrography originates principally with the previously discussed prior surveys, supplemented by partial application of the present survey through the boat sheet (Bps. 59104, 59115) and the unverified smooth sheet. Depths in Coan River originate with Corps of Engineer Surveys (Bp 30468 and 28344 of 1934-36)

1. The 5 ft sounding charted in lat. $38^{\circ}58.36'$ long. $76^{\circ}27.88'$ from Bp 30468 falls between sounding lines on the present survey and should be retained as charted.
2. Revisions to alongshore information charted through Bps 61706-07 of this bureau is subsequent to the present survey.
3. Numerous small piers apparently charted from photographs of 1951 do not appear on the shoreline surveys of 1952-54 nor is information available in the present survey records regarding their existence.

*noted
L.A.M.*

Additional piers on 1955-58 photos are uncharted and also do not appear on the present hydrographic survey.

The present survey is adequate to supersede the charted information in the common area, except as noted above.

B. Aids to Navigation

The aids from the present survey are in substantial agreement with the charted positions and adequately mark the features intended.

8. Compliance with Instructions

This survey adequately complies with the project instructions.

9. Additional Field Work

The present survey is considered to be a good basic survey and no additional field work is necessary.

Only a few triangulation stations established by the Virginia Fishery Commission in The Glebe and at the mouth of the Coan River were discovered. Along the south shore of the Potomac River on this survey apparently no recoverable triangulation stations exist. At an opportune time, new triangulation should be established for future surveys of the area.

Examined and Approved:

Marvin T. Paulson
Chief,
Nautical Chart Division

J. Durman
Assistant Director,
Office of Cartography

Charles W. Clark
Projects Officer,
Operations Division

Max Skelton
Assistant Director,
Office of Oceanography

SHEET CO-1959 ✓
 ABSTRACT OF BAR CHECKS

INITIAL SETTING: 1.0'

Date & Day Letter	5'	10'	15'	20'	25'	30'	35'	40'	50'
Sept. 5, 1959	-0.8 ✓	-0.5 ✓	-0.4 ✓	-	-	-	-	-	-
a day	-0.8 ✓	-0.6 ✓	-0.5 ✓	-	-	-	-	-	-
	-0.5 ✓	-0.6 ✓	-0.8 ✓	-	-	-	-	-	-
	-0.6 ✓	-0.8 ✓	-0.8 ✓	-	-	-	-	-	-
	-0.9 ✓	-0.7 ✓	-0.5 ✓	-	-	-	-	-	-
	-0.8 ✓	-0.8 ✓	-0.6 ✓	-	-	-	-	-	-
Sept. 7, 1959	-	-0.8 ✓	-0.3 ✓	-	-	-	-	-	-
b day	-	-0.7 ✓	-0.6 ✓	-	-	-	-	-	-
	-0.8 ✓	-0.6 ✓	-1.0 ✓	-	-	-	-	-	-
	-0.6 ✓	-0.8 ✓	-0.8 ✓	-	-	-	-	-	-
	-0.8 ✓	-0.5 ✓	-0.8 ✓	-0.7 ✓	-	-	-	-	-
	-0.8 ✓	-0.8 ✓	-0.8 ✓	-0.8 ✓	-	-	-	-	-
Sept. 8, 1959	-1.0 ✓	-1.0 ✓	-0.7 ✓	-0.7 ✓	-	-	-	-	-
c day	-1.0 ✓	-0.8 ✓	-1.0 ✓	-0.7 ✓	-	-	-	-	-
	-0.7 ✓	-0.5 ✓	-0.5 ✓	-0.9 ✓	-	-	-	-	-
	-1.0 ✓	-0.5 ✓	-0.7 ✓	-0.7 ✓	-	-	-	-	-
Sept 9, 1959	-0.6 ✓	-0.7 ✓	-0.8 ✓	-0.8 ✓	-	-	-	-	-
d day	-0.4 ✓	-0.5 ✓	-0.7 ✓	-0.9 ✓	-	-	-	-	-
Sept 10, 1959	-0.5 ✓	-0.4 ✓	-0.4 ✓	-0.5 ✓	-	-	-	-	-
e day	-0.5 ✓	-0.6 ✓	-0.6 ✓	-0.5 ✓	-	-	-	-	-
	-0.9 ✓	-0.8 ✓	-0.5 ✓	-0.8 ✓	-0.8 ✓	-	-	-	-
	-0.9 ✓	-0.5 ✓	-0.9 ✓	-1.0 ✓	-0.8 ✓	-	-	-	-
Sept. 18, 1959	-	-0.5 ✓	-0.7 ✓	-0.8 ✓	-	-	-	-	-
f day	-0.5 ✓	-0.8 ✓	-	-0.8 ✓	-	-	-	-	-
	-	-0.6 ✓	-0.6 ✓	-0.8 ✓	-1.0 ✓	-	-	-	-
	-	-0.8 ✓	-0.6 ✓	-0.9 ✓	-1.0 ✓	-	-	-	-
	-	-0.8 ✓	-0.8 ✓	-1.0 ✓	-	-	-	-	-
	-1.0 ✓	-1.0 ✓	-1.1 ✓	-1.1 ✓	-	-	-	-	-
Sept 20, 1959	-0.6 ✓	-0.4 ✓	-0.5 ✓	-0.7 ✓	-	-	-	-	-
g day	-0.7 ✓	-0.4 ✓	-0.6 ✓	-0.7 ✓	-	-	-	-	-
	-0.8 ✓	-0.4 ✓	-0.6 ✓	-0.8 ✓	-	-	-	-	-
	-0.8 ✓	-0.4 ✓	-0.6 ✓	-0.8 ✓	-	-	-	-	-
	-0.7 ✓	-0.5 ✓	-0.6 ✓	-0.8 ✓	-1.0 ✓	-1.0 ✓	-	-	-
	-0.8 ✓	-0.6 ✓	-0.7 ✓	-0.8 ✓	-1.0 ✓	-	-	-	-
Sept 21, 1959	-0.8 ✓	-0.4 ✓	-0.4 ✓	-0.6 ✓	-0.8 ✓	-	-	-	-
h day	-1.0 ✓	-0.7 ✓	-0.5 ✓	-0.8 ✓	-0.7 ✓	-	-	-	-
	-1.0 ✓	-0.3 ✓	-0.4 ✓	-0.5 ✓	-0.5 ✓	-	-	-	-
	-0.8 ✓	-0.4 ✓	-0.4 ✓	-0.5 ✓	-0.5 ✓	-	-	-	-
	-0.6 ✓	-0.4 ✓	-0.7 ✓	-0.8 ✓	-0.9 ✓	-1.0 ✓	-	-	-
	-0.8 ✓	-0.6 ✓	-0.7 ✓	-0.7 ✓	-0.9 ✓	-1.0 ✓	-	-	-
Sept 22, 1959	-0.8 ✓	-0.6 ✓	-0.6 ✓	-0.6 ✓	-	-	-	-	-
i day	-1.0 ✓	-0.6 ✓	-0.4 ✓	-0.6 ✓	-	-	-	-	-
	-1.0 ✓	-0.6 ✓	-0.4 ✓	-0.8 ✓	-	-	-	-	-
	-1.0 ✓	-0.5 ✓	-0.5 ✓	-0.8 ✓	-	-	-	-	-

1065

SHEET CO-1959 ✓
 ABSTRACT OF BAR CHECKS

Date & Day Letter	5'	10'	15'	20'	25'	30'	35'	40'	50'
Sept 22, 1959	-0.7✓	-0.4✓	-0.6✓	-0.9✓	-	-	-	-	-
j day	-0.7✓	-0.4✓	-0.7✓	-0.9✓	-	-	-	-	-
Sept 23, 1959	-0.6✓	-0.4✓	-0.6✓	-0.7✓	-	-	-	-	-
k day	-0.5✓	-0.5✓	-0.6✓	-0.7✓	-	-	-	-	-
	-0.8✓	-0.7✓	-0.7✓	-1.0✓	-	-	-	-	-
	-0.8✓	-0.6✓	-0.6✓	-0.9✓	-	-	-	-	-
	-0.6✓	-0.4✓	-0.5✓	-0.7✓	-	-	-	-	-
	-0.8✓	-0.3✓	-0.5✓	-0.6✓	-	-	-	-	-
Oct 4, 1959	-0.5✓	-0.5✓	-0.6✓	-0.7✓	-	-	-	-	-
l day	-0.5✓	-0.4✓	-0.6✓	-0.6✓	-	-	-	-	-
	-0.6✓	-0.5✓	-0.4✓	-0.5✓	-	-	-	-	-
	-0.5✓	-0.3✓	-0.4✓	-0.5✓	-	-	-	-	-
	-0.7✓	-0.5✓	-0.3✓	-0.7✓	-0.7✓	-1.0✓	-1.0✓	-	-
	-0.3✓	-0.5✓	-0.6✓	-0.4✓	-0.8✓	-1.0✓	-1.0✓	-	-
Oct 5, 1959	-0.6✓	-0.5✓	-0.4✓	-0.6✓	-0.8✓	-0.9✓	-1.0✓	-	-
m day	-0.4✓	-0.6✓	-0.6✓	-0.6✓	-0.8✓	-0.9✓	-1.0✓	-	-
	-0.5✓	-0.4✓	-0.3✓	-0.6✓	-	-	-	-	-
	-0.3✓	-0.2✓	-0.5✓	-0.5✓	-	-	-	-	-
Total	-40.0✓	-34.8✓	-36.6✓	-37.8✓	-13.0✓	-6.8✓	-4.0✓		
No. of CKS	56✓	62✓	61✓	52✓	16✓	7✓	4✓		
Average	-0.71✓	-0.56✓	-0.60✓	-0.73✓	-0.81✓	-0.97✓	-1.0✓		
				LOGS					

FATHOMETER CORRECTIONS

CO-1957

BAR CHECKS:

8493

FATHOMETER CORRECTIONS

CO-1958

FATHOMETER CORRECTIONS

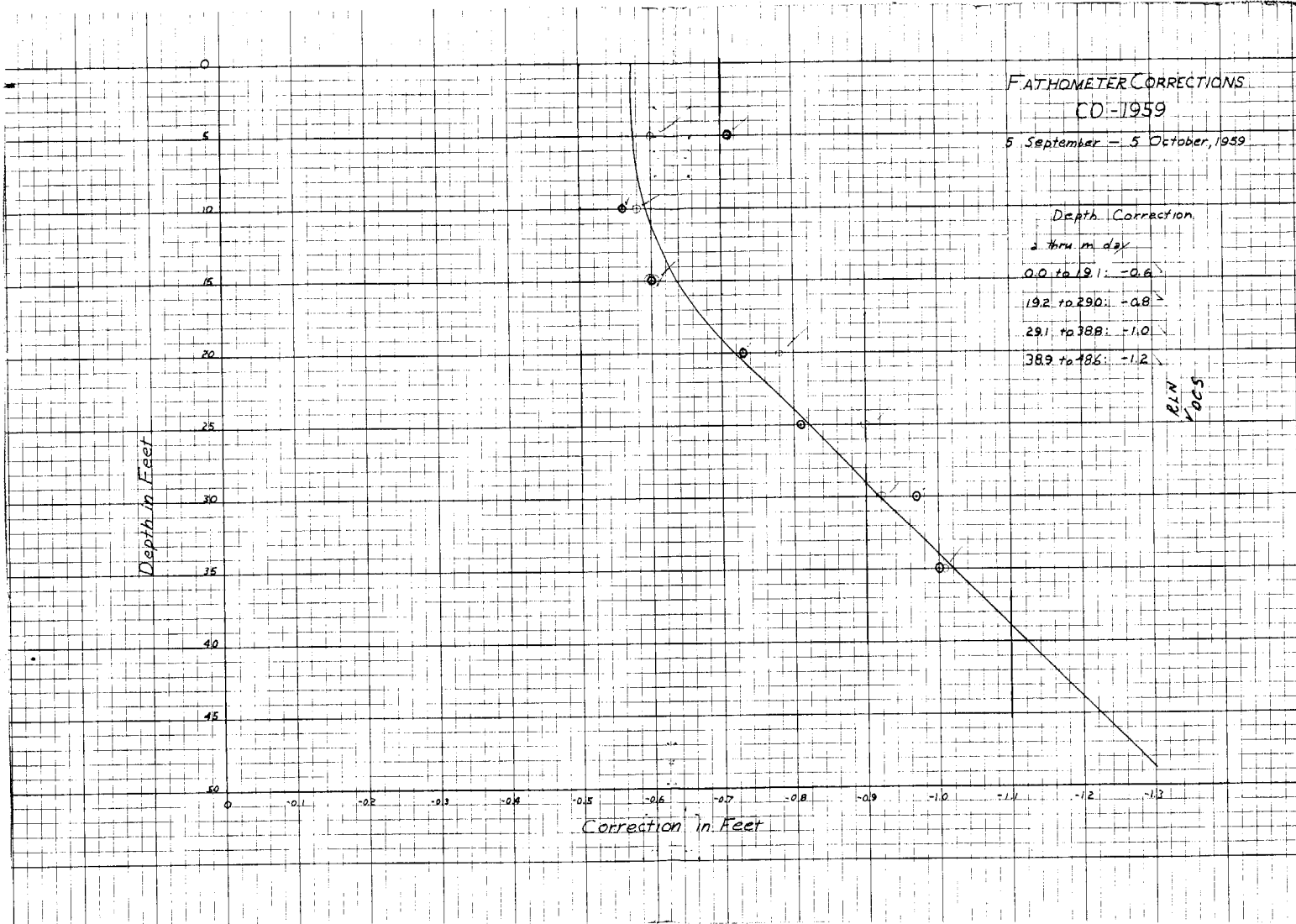
CD-1959

5 September - 5 October, 1959

Depth Correction

- 2 thru 10 fms: -0.6
- 10 to 19.1: -0.6
- 19.2 to 29.0: -0.8
- 29.1 to 38.8: -1.0
- 38.9 to 48.6: -1.2

RLN
1905



RHC

TIDE NOTE FOR HYDROGRAPHIC SHEET

~~Division of Coastal Surveys~~

August 15, 1961

Division of Charts: R. H. Carstens

Plane of reference approved in
13 volumes of sounding records for

HYDROGRAPHIC SHEET 8495

Locality Travis Point and Coan River, Virginia

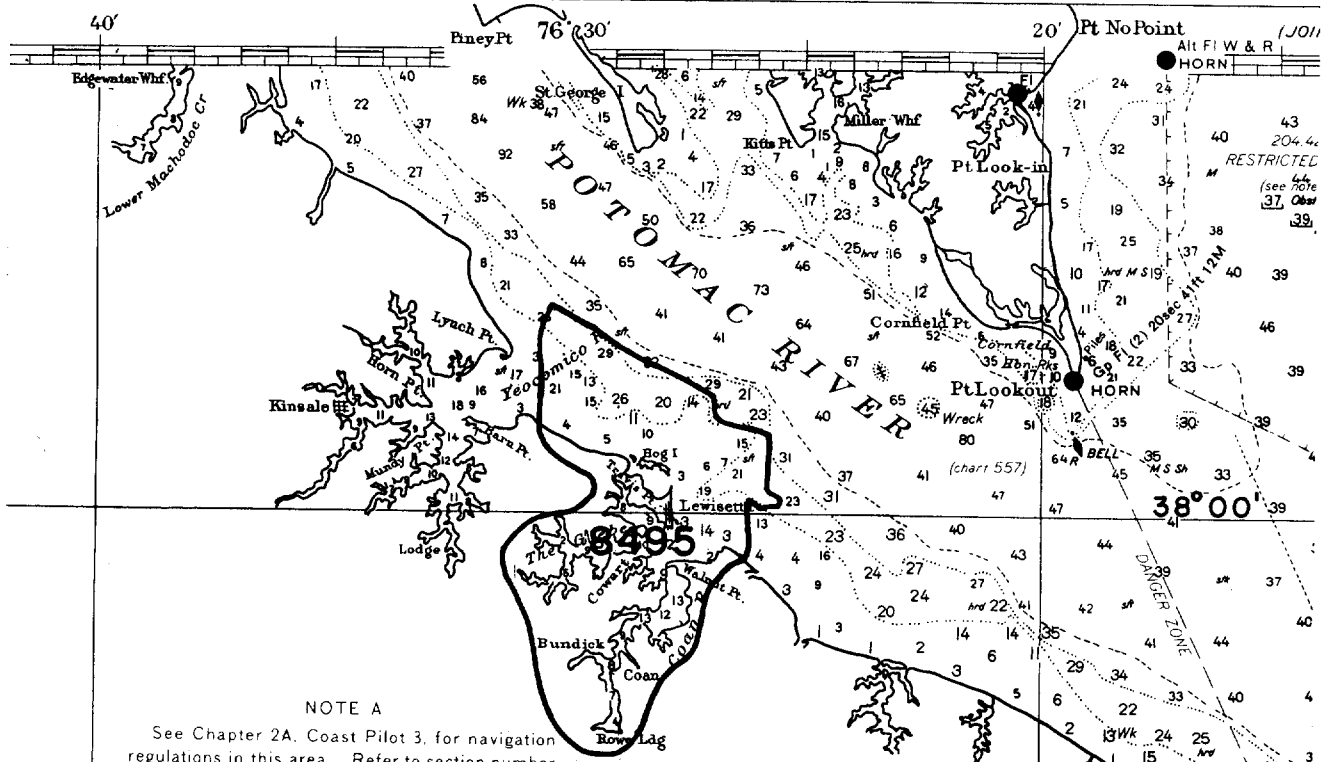
Chief of Party: C. A. Schoene (1959)
Plane of reference is mean low water, reading
2.5 ft. on tide staff at Travis Point, Virginia
5.2 ft. below B. M. 2 (1959)

Height of mean high water above plane of reference is: 1.2 ft.

Condition of records satisfactory except as noted below:

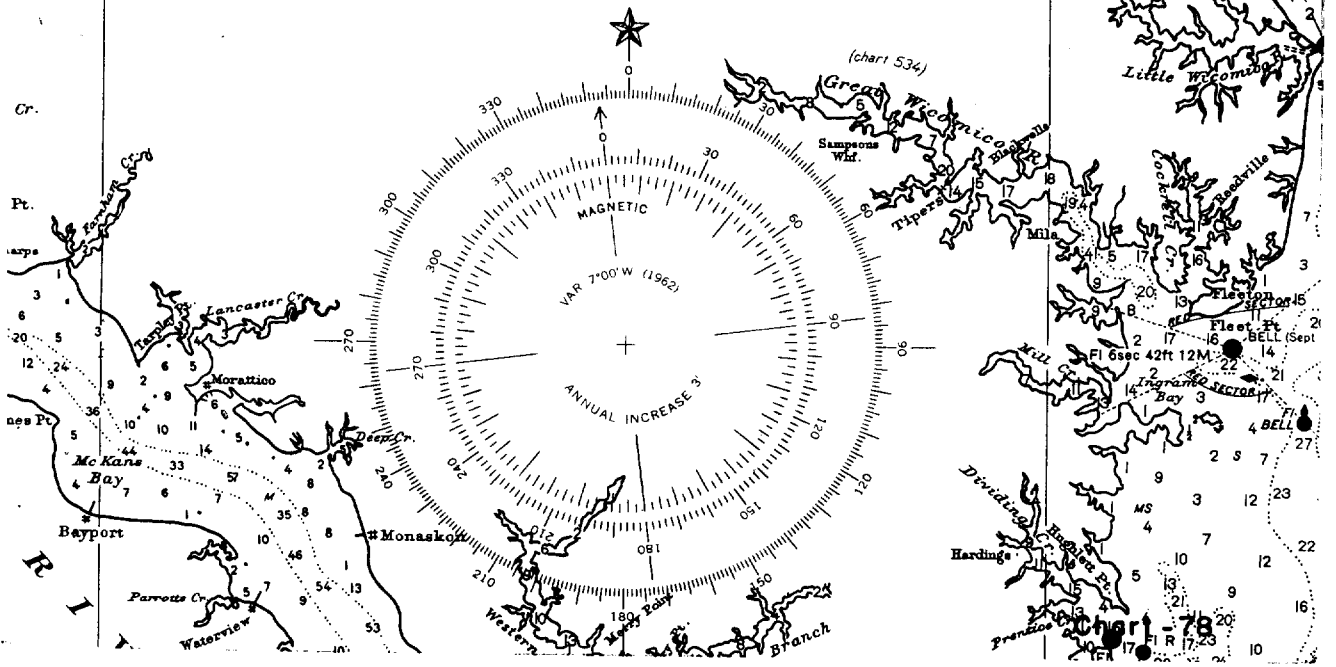
Burt W. Wilson
Chief, Tides & Currents Branch

~~COAST AND GEODETIC SURVEY~~



NOTE A

See Chapter 2A, Coast Pilot 3, for navigation regulations in this area. Refer to section number shown with the area designation. Consult the weekly Notice to Mariners and yearly Coast Pilot Supplements for changes subsequent to the Coast Pilot edition date.



NAUTICAL CHARTS BRANCH

SURVEY NO. H-8495

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
1/17/62	1224	J. H. Eaton	Part. App'd. Crib soundings only. Before After Verification and Review VERIFIED
9/3/63	557	J. H. EATON	Comp App'd. Before After Verification and Review
12/4/63	1224	M. K. Meyer	Comp App'd. Before After Verification and Review thru Ch't 557 ^(CR)
10/23/63	101-SC	L. Van Lant	Comp App'd. Before After Verification and Review thru Ch't 557
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.