

# 8805

Diag. Cht. No. 526.

Form 504

U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## DESCRIPTIVE REPORT

Type of Survey HYDROGRAPHIC

Field No. HFP 12-3-64 Office No. H-8805

### LOCALITY

State NEVADA-ARIZONA

General locality GREGG BASIN

Locality LAKE MEAD, NEVADA-ARIZONA

1964

CHIEF OF PARTY  
H. E. McCALL, LT., USC&GS

LIBRARY & ARCHIVES

DATE \_\_\_\_\_

USCOMM-DC 5067

8805

**HYDROGRAPHIC TITLE SHEET**

H-8805

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

FIELD NO.

HFP 12-3-64

State NEVADA-ARIZONA

General locality GREGG BASIN

Locality LAKE MEAD, NEVADA-ARIZONA

Scale 1:12,000 Date of survey 6 FEB. 1964 - 15 SEPT. 1964

Instructions dated 2100 B-pt. S2-219  
10 MAY 1963 Project No. OFR- 443

Vessel LAUNCH CS 183 and LAUNCH CS 1177

Chief of party H.E. McCALL, LT., USC&GS

Surveyed by G.F. TREFETHEN and R.H. ALBRITTON, LT. (jg), USC&GS

Soundings taken by echo sounder, hand lead, pole \_\_\_\_\_

Graphic record scaled by PARTY PERSONNEL

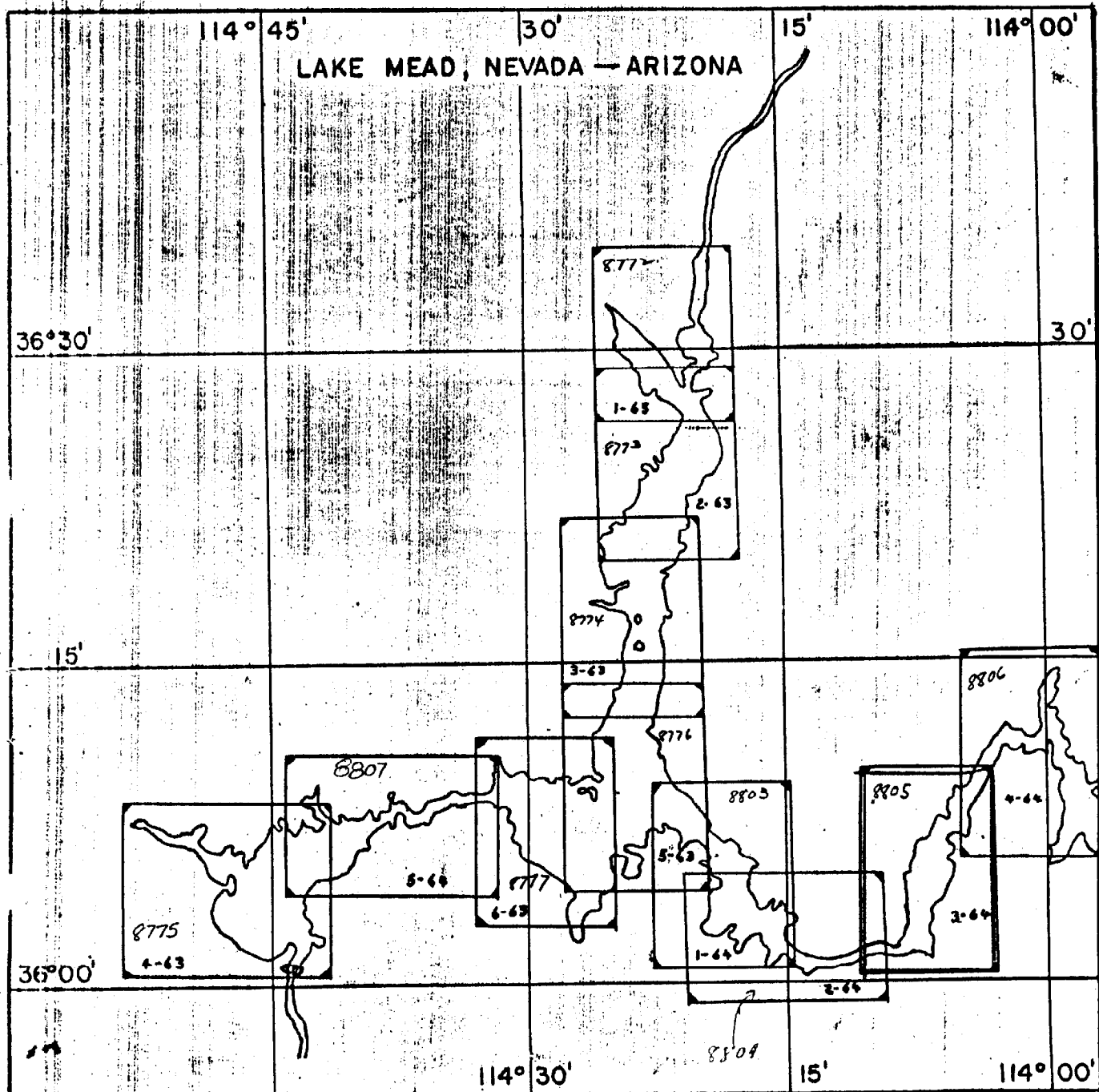
Graphic record checked by PARTY PERSONNEL

Protracted by \_\_\_\_\_

Soundings penciled by \_\_\_\_\_

Soundings in ~~XXXXX~~ feet at ~~NEW~~ ~~XXXXX~~ ELEVATION ABOVE MEAN SEA LEVEL

REMARKS: All echo soundings are in feet and tenths of feet. All soundings are converted to elevation of feet above Mean Sea Level. Soundings on the boat sheet are elevations above Mean Sea Level. Only three digits were used, the first digit in 1,000 , 1,100 , 1,200 were left off to make the boat sheet less congested. For example: Elevation 1126 on the boat sheet would be 126.



COAST & GEODETIC SURVEY  
 H. ARNOLD KARO—DIRECTOR  
 SHEET LAYOUT SKETCH  
 HYDROGRAPHIC FIELD PARTY 242  
 SCALE—1:500,000

114° 45'

DESCRIPTIVE REPORT  
TO ACCOMPANY HYDROGRAPHIC SURVEY H-8805  
(field no. HFP 12-3-64)

SCALE 1:12,000

HFP 242

CHIEF OF PARTY

H.E. McCALL, LT., USC&GS

A. PROJECT

Project OPR-443 was completed in accordance with instructions 2100B-pt S2-219 dated 10 May 1963, Lake Mead, Nevada-Arizona.

B. AREA SURVEYED

The geographical limits of this sheet are from Lat.  $36^{\circ}00.70'$  to lat.  $36^{\circ}10'$  and from Long.  $114^{\circ}04'$  to Long.  $114^{\circ}11'$ . This survey covers Gregg Basin, Lake Mead, Nevada-Arizona.

This survey makes junction with contemporary survey H-8804 (HFP 12-2-64) on the Southwest and contemporary survey H-8806 (HFP 12-4-64) on the Northeast.

This survey also makes junction with prior Navy sheet no. 9 on the Southwest, dated 1948, Scale 1:12,000 and prior Navy sheet no. 11 on the Northeast, dated 1948, Scale 1:12,000.

This survey area was covered by prior Navy sheet no. 10 dated 1948-1949, Scale 1:12,000.

Hydrography began on 6 Feb., 1964 and was completed on 15 Sept., 1964.

### C. SOUNDING VESSEL

The vessels used were Launch CS 183, designated by violet day letters, and Launch CS 1177, designated by blue day letters.

On Launch CS 183 the following Raytheon DE-723 fathometers were used.

Number	263	200KC
Number	265	200KC
Number	543	20KC

On Launch CS 1177 the following Raytheon DE-723 fathometers were used.

Number	265	200KC
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In certain areas two fathometers were run simultaneously the 200KC fathometer was operated on feet and the 20KC was operated on fathoms. This procedure was used to assist the fathometer operator in keeping up with the scales. On cross-lines two fathometers were operated simultaneously, both on feet, to show sedimentation.

In some instances the soundings from the 20 KC fathogram ~~was~~ <sup>were</sup> converted from fathoms to feet and placed in the sounding volumes. Such soundings are noted in the sounding volumes by an asterisk and the word fathoms, or an abbreviation thereof, was placed in the remarks column.

Daily bar checks were taken to determine the corrections to be applied for the 200KC unit. And Bathythermography observations were made to determine Velocity corrections beyond the range of the bar checks. For tabulation of corrections and fathometer report see Appendix G.

### E. SMOOTH SHEET

Smooth sheet projections will be furnished on request from the Washington office. The smooth sheet to be accomplished  
LATER by PROCESSING OFFICE.

#### F. CONTROL

All signals were located by ground survey methods. Appendix B contains a list of signals and indicates the methods used to locate the signals.

The hydrography was controlled by visual three point fixes. In all of the coves in which hydrography was run, where there were no available fixes, the hydrographic lines were run by dead reckoning.

5 The normal procedure of the hydrographer spotting his position on the boat sheet from adjacent features of the shoreline was not adherent to even though a position was given at the end of the lines and "see boat sheet" was placed in the sounding volumes. The smooth plotter should plot the lines according to time and course and ignore the "see boat sheet" positions.

#### G. SHORELINE

The shoreline was transferred from a film positive of Navy sheet no.10 dated 1948 outlining the 1200 foot and 1150 foot contours.

The 1150 foot contour is shown in red and the 1200 foot contour is shown in black on the boat sheet.

When the lake level dropped to 1150 feet above MSL, aerial infrared photographs were made. This contour was not verified by hydrography due to the low lake level at the time of hydrography.

#### H. CROSSLINES

Crosslines were run in excess of 8%. Favorable crossings were found.

#### I. JUNCTIONS

Depths at contemporary survey H-8804 (HFP 12-<sup>2</sup>/<sub>3</sub>-64) and H-8806 (12-4-64) are in agreement and contours can adequately be drawn at the junctions.

J. COMPARISONS WITH PRIOR SURVEYS

Comparison with Navy sheet no.10 dated 1948-1949 Scale 1:12,000:

The prior survey was of a reconnaissance nature and since no shoals or rocks were investigated, an adequate comparison can not be made.

K. COMPARISON WITH CHART

A comparison <sup>was made</sup> with chart no. C&GS 5459A 2nd Edition Oct. 24, 1955 Revised Sept. 2, 1963 Scale 1:48,000.

All reefs and rocks indicated on the chart were plotted on the boat sheet in red pencil with their respective elevations indicated in pencil.

The following is a list of rocks and reefs that were investigated:

1. ROCK

Charted pos.	Lat.	36°01.69'
	Long.	114°08.64'
Charted elev.		1132
New elev.		1146
Located on		8' q-day CS 183

It is recommended that the new elevation be charted.

*Appd*

2. ROCK

Charted pos.	Lat.	36°03.21'
	Long.	114°07.43'
Charted elev.		1100
New elev.		1102
Located on		74 to 75 n-day CS 183

This rock was located on a sounding line. No D.P. was taken on this rock. It is recommended that the new elevation be charted. *shown (3)*

*Pss. 100p*

K. COMPARISION WITH CHART (cont.)

3. ROCK

Charted pos.	Lat.	36°03.34'
	Long.	114°07.38'
Charted elev.		1100
New elev.		1101
Located on a sounding line		73 to 74 n-day CS 183

It is recommended that the new elevation be charted. *Included in LWT*

4. ROCK

Charted pos.	Lat.	36°04.49'
	Long.	114°06.66'
Charted elev.		1127
New elev.		1111
Located on a sounding line		17 to 18 r-day CS 183

It is recommended that the new elevation be charted. *Appd*

5. ROCK

Charted pos.	Lat.	36°06.78'
	Long.	114°06.94'
Charted elev.		1096
New elev.		1087
Located on a sounding line		43 b-day CS 183

This rock should have more detail investigation. It is recommended that the charted elevation be retained. *No Corr.*

6. ROCK

Charted pos.	Lat.	36°04.70'
	Long.	114°08.57'
Charted elev.		1125
New elev.		1116
Located on sounding line		119 to 120 c-day CS 1177

It is recommended that the new elevation be charted. *Appd*



K. COMPARISON WITH CHART (cont.)

7. ROCK

Charted pos.	Lat.	36°07.66'
	Long.	114°06.77'
Charted elev.		1100
New elev.		1117
Located on	located on a sounding line	56 to 57 b-day CS 1177

It is recommended that the new elevation be charted.

*Appd*

8. ROCK

Charted pos.	Lat.	36°07.65'
	Long.	114°06.64'
Charted elev.		1100
New elev.		1153
Located on		22 1-day CS 183

It is recommended that the new elevation be charted.

*Appd. - However  
Best sheet shows*

*1116' pos 28 A,  
T-12572 does not  
indicate 1150' curve*

9. ROCK

Charted pos.	Lat.	36°08.98'
	Long.	114°05.35'
Charted elev.		1115
New elev.		1134
Located on		46 c-day CS 183

It is recommended that the new elevation be charted.

*Appd*

10. ROCK

Charted pos.	Lat.	36°08.95'
	Long.	114°05.27'
Charted elev.		1135
New elev.		1133
Located on		47 c-day CS 183

It is recommended that the new elevation be charted.

*Appd*

### L. ADEQUACY OF SURVEY

This survey is adequate to supercede prior surveys up to the 1150 foot contour. The actual hydrography covered only that area up to about the 1125 foot contour. Above the 1150 foot contour this survey is not adequate for charting.

### M. AIDS TO NAVIGATION

There are two lighted aids to navigation located on this sheet. One is signal LIT at Lat.  $36^{\circ}06.90'$  Long.  $114^{\circ}06.66'$  and the other is signal NAV at Lat.  $36^{\circ}01.49'$  Long.  $114^{\circ}08.86'$ . Both lights were located by the U.S. Geological Survey in 1948.

There are reef markers on some of the numerous reefs. All reef markers were located. The reef markers are placed at the highest part of the reef, by the National Park Service.

All aids and reef markers are maintained by the National Park Service.

The standard National Park Service reef marker is a hard, black, rubber cylinder which is between 4.0 feet and 4.5 feet in length with an outside diameter of 6 inches. It is bolted to a pipe which is embedded in concrete at the top of the reef. None of the reef markers are lighted. The top two feet of the reef marker is flexible so that if struck by a boat, it would bend and probably not inflict any serious damage.

### N. STATISTICS

LAUNCH	NO. OF POSITIONS	NAUTICAL MILES OF SOUNDING LINES
CS 183	1380	201.5
CS 1177	356	32.8
Total area of survey	12.0	sq. miles
Total number of Bottom Samples	17	

Tide gages, located at Haalpai Wash and Hoover Dam provided lake level control for this sheet H-8805 (HFP 12-3-64). For additional information concerning tide gage see Appendix A of this report.

O. MISCELLANEOUS

A hand level was used to run levels to points above the existing lake level.

The elevation shown in the sounding volumes and on the boat sheet of reefs marked by the National Park Service. Reef markers are to the top of the reef and not to the top of the reef markers.

The term shoreline as used in this report and in the sounding volumes is the shoreline of the lake at the time of hydrography which for this sheet varies from a lake level of 1131 to a lake level of 1096.

A contour sheet (HFP 12-3-64) has been made of this sheet. Contours were drawn at 10 feet intervals. The original has been sent to the Bureau of Reclamation at Boulder City, Nevada. A copy has been sent to the Washington office.

The following scheme was used for placing contours on the boat sheet.

CONTOUR (feet above MSL)	COLOR
1200	-black
1150	red
1100	orange
1050	green
1000	red
950	blue
900	red

Respectfully submitted,

*Guy F. Trefethen*  
Guy F. Trefethen  
Surveying Tech.

12-3-64

APPENDIX A (Con't.)

Gage Location: Hualpai Wash, Lake Mead,  
 Arizona  
 Lat. 36° 01.2'  
 Long. 114° 07.5'

Gage Type: Portable Automatic

Staffs Zeros:

<u>Staff Number</u>	<u>Date Established</u>	<u>Elevation</u>
1	31 December 1963	1126.868
2	9 March 1964	1117.015

Gage was used to control boat sheets 12-1-64, 12-2-64, 12-3-64, and 12-4-64. No time or heights corrections were applied to the results obtained from the gage for reducing soundings. Gage was discontinued on 12 May 1964 and removed 7 July 1964. Hoover Dam gage was used for the remainder of the project on the above sheets without any time or height corrections applied to the results obtained from the gage in reducing soundings.

120th meridian time was used at this station.

## APPENDIX B

The basic control on H-8805 (HFP 12-3-64) was USGS third-order triangulation stations.

The majority of the signals were located as intersecting stations. The computations and field data will be submitted with the control sheet. The computations are in loose leaf binders and are divided into sections by boat sheet.

### LIST OF SIGNALS

Hydrographic Survey H-8805 (HFP 12-3-64)  
Triangulation Stations

ADD	A-58,1948
BED	A-54,1948
BOX	N-138,1948
CAN	A-71,1948
CON	N-140,1948
CUR	N-131,1948
EAR	A-60,1948
EGG	A-68,1948
END	N-134,1948
FEZ	N-143,1948
GAL	N-145,1948
GAS	A-57,1948
GIN	A-65,1948
GUY	N-146,1948
HOE	N-129,1948
ICE	N-137,1948
LAY	A-69,1948
LAX	A-55,1948
LIT	NAV. LIGHT
LIZ	N-137,1948
NAV	NAV. LIGHT
PAW	N-133,1948
PUP	N-141,1948
SUE	A-56,1948
TIP	N-144,1948
YAK	N-142,1948
ZAG	A-63,1948
ZIG	A-59A,1948
ZOO	A-59,1948

The source of this list of (topo & hydro) signals is Master Control Sheet (HFP 12-3-64) except as noted.

Topographic Signals

DAY

DEB

HAL

KID (only two cuts plotted on control sheet) Cuts to KID  
Vol.11, page 11

LAD

LIP

PET

POT

QUO

RUB

SAD

SIR

TOM

WAR

Hydro Signals

BEL	(HFP 12-4-64)	LUX	
BEN	Vol. 4, page 10	MAN	Vol. 4, page 10&11
BOB	Vol. 4, page 10 & 11	OFF	Vol. 4, page 10&11
BUD	(HFP 12-4-64)	REE	Vol. 3, page 58
FIX	Vol.4 ,page 10	TON	Vol. 4, page 10
JIM	Vol. 3, page 55		

APPENDIX D

Approval sheet to accompany hydrographic sheet H-8805  
(HFP 12-3-64)

Project OPR-443

The records, corrections and all field work and office  
work <sup>were</sup> supervised by

H.E.McCALL, LT., USC&GS

This descriptive report was written by

G.F.TREFETHEN, SURVEYING TECH.

This survey was conducted prior to the time I was assigned  
to this party and this report written after my reporting.

Approved and Forwarded



RICHARD E. ALDERMAN, LCDR., USC&GS  
Officer-in-Charge



TIDE NOTE FOR HYDROGRAPHIC SHEET

March 11, 1968

Nautical Chart Division: R. H. Carstens

Plane of reference approved in  
11 volumes of sounding records for

HYDROGRAPHIC SHEET 8805

Locality: Lake Mead, Nevada - Arizona

Chief of Party: H. E. McCall (1964)

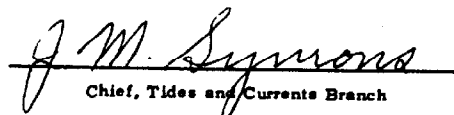
Plane of reference is mean lower lake level (which is 1100 feet  
above sea-level datum)

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

Hualpai Wash

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

Remarks

  
Chief, Tides and Currents Branch



HYDROGRAPHIC SURVEY STATISTICS  
HYDROGRAPHIC SURVEY NO. 8805

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

RECORD DESCRIPTION		AMOUNT		RECORD DESCRIPTION		AMOUNT	
SMOOTH SHEET				BOAT SHEETS		1	
DESCRIPTIVE REPORT		1		OVERLAYS			
DESCRIPTION	DEPTH RECORDS	HORIZ. CONT. RECORDS	PRINTOUTS	TAPE ROLLS	PUNCHED CARDS	ABSTRACTS/ SOURCE DOCUMENTS	
ENVELOPES							
CAHIERS	1						
VOLUMES	11						
BOXES							

T-SHEET PRINTS (List)

SPECIAL REPORTS (List)

1 Cahier - Misc. Data filed with H-8772.

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				
POSITIONS CHECKED				
POSITIONS REVISED				
DEPTH SOUNDINGS REVISED				
DEPTH SOUNDINGS ERRONEOUSLY SPACED				
SIGNALS ERRONEOUSLY PLOTTED OR TRANSFERRED				
	TIME (MANHOURS)			
TOPOGRAPHIC DETAILS				
JUNCTIONS				
VERIFICATION OF SOUNDINGS FROM GRAPHIC RECORDS				
SPECIAL ADJUSTMENTS				
ALL OTHER WORK				
<b>TOTALS</b>				
PRE-VERIFICATION BY	BEGINNING DATE		ENDING DATE	
VERIFICATION BY	BEGINNING DATE		ENDING DATE	
REVIEW BY	BEGINNING DATE		ENDING DATE	

**VERIFIER'S REPORT**  
**HYDROGRAPHIC SURVEY, H - 8805**

**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><b>Note:</b> 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 <b>SUPERSEDED</b>.</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><b>Part IV - VOLUMES</b></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><b>Part II - SHORELINE AND SIGNALS</b></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><b>Part V - PROTRACTING</b></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>5. The transfer of contemporary topographic information was carefully examined and reconciled with the hydrography. Remarks Required: -- Discuss remaining differences.</p>					<p>14. The protracting and plotting of all unsatisfactory crossings were verified. Remarks Required: -- None</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>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>	
<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><b>Part III - JUNCTIONS</b></p> <p><b>Note:</b> 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>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>							

Part V - PROTRACTING (Continued)	CL	R	Part VIII - AIDS TO NAVIGATION	CL	R
<p>16. The protracting was satisfactory except as follows:</p> <p>Remarks Required: -- Refers to protracting in general except for specific faults repeated often, or faults in control information, which required considerable replotting or adjustments.</p>			<p>26. All fixed aids located together with those on the contemporary topographic sheets, have been shown on the survey.</p> <p>Remarks Required: -- Conflicts of any nature listed.</p>		
<p>17. The protractor has been checked within the last three months.</p> <p>Remarks Required: -- Date of check, type of protractor and number.</p>			<p>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.</p> <p>Remarks Required: -- None</p>		
<p><b>Part VI - SOUNDINGS</b></p> <p>18. All soundings are clear and legible, and critical soundings are a little larger than adjacent soundings.</p> <p>Remarks Required: -- None</p>			<p><b>Part IX - BOAT SHEET</b></p> <p>28. The boat sheet was constantly compared with the smooth sheet with reference to notes, position of sounding lines and supplemental information.</p> <p>Remarks Required: -- None</p>		
<p>19. Sounding line crossings were satisfactory except as follows:</p> <p>Remarks Required: -- Discuss adjustments.</p>			<p>29. Heights of rocks awash were correctly reduced and compared with topographic information.</p> <p>Remarks Required: -- Note excessive conflicts with topographic information.</p>		
<p>20. The spacing of soundings as recorded in the records was closely followed;</p> <p>Remarks Required: -- None</p>			<p><b>Part X - GENERAL</b></p> <p>30. All information on the sheet is shown in accordance with figures 82 and 83 in the Hydrographic Manual (Pub. 20-2).</p> <p>Remarks Required: -- None</p>		
<p>21. The scanning, reduction, spacing, plotting of questionable soundings have been verified.</p> <p>Remarks Required: -- None</p>			<p>31. Unnecessary pencil notes have been removed from the sheet.</p> <p>Remarks Required: -- None</p>		
<p>22. The smooth plotting of soundings was satisfactory except as follows:</p> <p>Remarks Required: -- Refer to legibility, errors in spacing, and errors in numbers - but not to errors in scanning.</p>			<p>32. Degree, minute values and symbols have been checked; also electronic distance arcs have been properly identified and checked on the smooth sheet.</p> <p>Remarks Required: -- None</p>		
<p><b>Part VII - CURVES</b></p> <p>23. The depth curves have been inspected before inking.</p> <p>Remarks Required: -- By whom was the penciled curves inspected.</p>			<p>33. The bottom characteristics are adequately shown.</p> <p>Remarks Required: -- None</p>		
<p>24. The low-water line and delineation of shoal areas have been properly shown in accordance with the following:</p> <ul style="list-style-type: none"> <li>a. From T-Sheet in dotted black lines</li> <li>b. From soundings in orange</li> <li>c. Approximate position of sketched curve is dashed orange</li> <li>d. Approximate position of shoal area not sounded in black dashed</li> </ul> <p>Remarks Required: -- None</p>			<p><b>Part XI - NOTES TO THE REVIEWER</b></p> <p>34. Unresolved discrepancies and questionable soundings.</p>		
<p>25. Depth curves were satisfactory except as follows:</p> <p>(This statement should not refer to the manner in which the curves were drawn).</p> <p>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.</p>			<p>35. Notation of discrepancies with photogrammetric survey inserted in report of unreviewed photogrammetric survey or on copy.</p>		
<p>36. Supplemental information.</p>					
Verified by			Date		

**RECORD OF APPLICATION TO CHARTS**

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. H-8805

**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	<del>Before</del> <sup>Before</sup> REMARKS
661-5C	8/15/66	R.D. House	<del>Full Part Before After Verification</del> Review Inspection Signed Via Drawing No.
			<i>adequately</i>
18687 A (6615C)	12-12-79	Henry B. Nois	<del>Full Part Before After Verification</del> Review Inspection Signed Via Drawing No. <b>BA</b> Exam; Considered adequately apd
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
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