

8901

Diag. Cht. No. 8551-3.

Form 504 U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY DESCRIPTIVE REPORT	
<i>Type of Survey</i>	HYDROGRAPHIC
	HO-10-1-66
<i>Field No.</i>	HO-10-2-66
<i>Office No.</i>	H-8901
LOCALITY	
<i>State</i>	Alaska
<i>General locality</i>	Prince William Sound
<i>Locality</i>	Tatitlek Narrows
<u>19.66</u>	
CHIEF OF PARTY	
John B. Watkins, Jr., CDR, USESSA	
LIBRARY & ARCHIVES	
DATE	9/25/69

USCOMM-DC 5087

8901

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-8901
HO-10-1-66
Field No. HO-10-2-66

State Alaska

General locality Prince William Sound

Locality Tatitlek Narrows

Scale 1:10,000 Date of survey 1966

Instructions dated 19 January 1966, Amended 14 March 1966

Vessel USC&GSS HODGSON and Launch 1192

Chief of party John B. Watkins, Jr.

Surveyed by J.B. Watkins, W.F. Forster, G.M. Ensign, D.J. Lystrom

Soundings taken by fathometer, graphic recorder, hand lead, wire echo sounder DE-723

Fathograms scaled by Ship Personnel

Fathograms checked by Ship Personnel

Protracted by D.J. Lystrom

Soundings penciled by D.J. Lystrom

Soundings in fathoms feet at MLW MLLW

REMARKS: Soundings taken in feet and smooth-plotted in fathoms.

X.W.W. 3/7/66

DESCRIPTIVE REPORT

to accompany

HYDROGRAPHIC SURVEY H-8901

Scale: 1:10,000

1966

USC&GS SHIP HODGSON

CDR J.B. Watkins, Jr., Comdg.

A. PROJECT

This project was accomplished as a part of project OPR-452 in accordance with instructions dated 19 January 1966 and amendment dated 14 March 1966.

B. AREA SURVEYED

The area covered by this survey extends southeast through Tatitlek Narrows from Black Point (latitude 60°54'40" N, longitude 146°44'10" W) and Busby Island (latitude 60°53'50" N, longitude 146°46'35" W) to parallel of Latitude 60°49'30" N. The survey also includes Boulder Bay.

This survey was started 3 August 1966 and completed 20 August 1966.

A prior survey of this area was made in 1902, registry number H-2628.

C. SOUNDING VESSEL

Soundings obtained with motor launch 1192 are denoted with violet day letters, lower case. The Ship HODGSON hydrography is shown by red day letters, upper case. Motor Whale Boat #1 was used for bottom samples and detached leadline soundings; its day letters are green, lower case. A skiff was used for detached positions, shown by day letters in blue, lower case.

D. SOUNDING EQUIPMENT

DE-723 fathometer, serial number 534 was used for launch 1192 hydrography during the period of 3 August 1966 to 16 August. From 17 August 1966 to 20 August, fathometer serial number 554 was used. Ship HODGSON used DE-723 fathometer serial number 554 from 3 August 1966 to 16 August, and fathometer serial number 534 from 17 August 1966 to 20 August. Motor Whale Boat #1 used a DE-723 fathometer, serial number 146, throughout the project.

Velocity corrections were determined by bar checks (applicable to launch 1192 soundings only), and temperature and salinity observations. There

were no phase corrections for the depths encountered in this survey. Initial and draft corrections were appropriately applied as described in the fathometer reports.

E. SMOOTH SHEET

The smooth sheet projection was plotted on the digital plotter at the Pacific Marine Center. The projection lines were inked by hand.

F. CONTROL

Hydrographic control was established primarily from photo-identified stations. Manuscripts T-12997, T-12998, T-12999, T-13001, T-13002 and auxiliary control stations were located by sextant fixes.

All hydrography was controlled by visual fixes using the above-mentioned types of signals.

G. SHORELINE

Shoreline was transferred to the smooth sheet from incomplete manuscript numbers T-12997, T-12998, T-12999, T-13001 and T-13002.

The area encompassed by the smooth sheet on the aforementioned manuscripts is classified "advance" as this area was field inspected in 1966. No further field inspection of this area is necessary.

The low water line was not described by soundings in areas of steeply sloping shore.

H. CROSSLINES

Crosslines consisted of 15% of the regular system of sounding lines. The agreement was generally good in all areas except in areas of extremely steep bottom relief where side echoes on the fathogram were found to be a source of error.

I. JUNCTIONS

The junction of hydrographic sheets HO-10-1-66 and HO-10-2-66 of this project is adequate and agrees satisfactorily in all areas.

This survey does not junction any prior or contemporary surveys.

J. COMPARISON WITH PRIOR SURVEYS

Presurvey Review Items:

1. The 2 3/4 fathom sounding in latitude $60^{\circ}53.68'$, longitude $144^{\circ}44.01'$, from an unknown source, was thoroughly investigated by a system of sounding lines. A least depth of 2 fathoms was obtained at that location. It is recommended that the 3 3/4 fathom sounding be deleted from the chart and

replaced by the 2 fathom sounding.

2. The sunken rock symbol, of unknown source, in latitude $60^{\circ}53.67'$, longitude $146^{\circ}41.01'$, was investigated and not found. The symbol is located in an area of 6 fathoms and sounding lines do not indicate any shoaling in the area. It is recommended that the sunken rock symbol be deleted from the chart.

✓ carried fwd to 16707

3. (a) The pier at Ellamar is still in existence but in a very dilapidated condition. A tag line survey was not run due to the unusable condition of the pier.

(b) The wharf adjacent to the Ellamar pier remains standing in a very poor condition.

(c) Several rocks awash in the general area northeast of the wharf were investigated and identified on the photo manuscript.

It should be noted that the entire facility has been abandoned.

4. The three sunken rocks charted in latitude $60^{\circ}52.75'$, longitude $146^{\circ}43.48'$ were investigated and found to be in a reef area that is foul with rocks.

2a and 3a 7f and 8f

✓ carried fwd to 16707

A rock awash was found slightly offshore from the position given.

5. The rocks awash charted in approximate latitude $60^{\circ}52.03'$, longitude $146^{\circ}41.80'$ were investigated and located by sextant fix and photogrammetry.

5a 6f

✓ off 16707

6. The sunken rock charted at $60^{\circ}50.77'$, longitude $146^{\circ}38.90'$ could not be found at that exact position; however, a rock awash was located about 250 meters north of the above position.

120 N.W.

✓ off 16707

It is difficult to make a satisfactory comparison with the prior survey (H-2628, 1902) due to its age and inadequacy. However, a great deal of bottom uplift is apparent when comparing the two surveys. It is assumed that the uplift took place as a result of the March 27, 1964 earthquake. Of the many changes, the most important is a 1.3 fathom shoal found in the ship channel in latitude $60^{\circ}51.98'$, longitude $146^{\circ}42.21'$, compared to about 5 fathoms previously charted. (2)

1c and 2c

✓ off 16707

K. COMPARISON WITH THE CHART

See J above.

L. ADEQUACY OF SURVEY

This survey is considered to be complete and adequate to supercede prior surveys.

M. AIDS TO NAVIGATION

Five floating aids to navigation are within the project limits. These include a lighted buoy (Fl R 4 Sec) and four channel markers (C"1", N"2", N"4", and N"6"). Fixes were taken to check their location.

N. STATISTICS

	<u>LAUNCH 1192</u>	<u>HODGSON</u>	<u>MWB #1</u>
Number of positions:	1342	396	58
Nautical miles of sounding lines:	163.7	65.3	Detached positions only.
Total area-square nautical miles:	Approximately 10.5		
Number of bottom samples:	-	26	45
Number of serial temperature and salinity observations:	-	1	-

One tide station, consisting of a portable bubbler gage and tide staff was installed to provide tide corrections.

O. MISCELLANEOUS

None.

P. RECOMMENDATIONS

None.

Q. REFERENCE TO REPORTS

1. Fathometer Report (Corrections to Echo Soundings 1966).
2. Coast Pilot Report 1966.

Respectfully submitted,



David J. Lystrom
LTJG, USESSA

APPROVAL SHEET

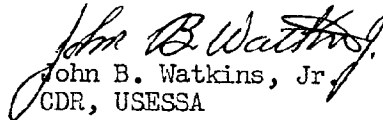
Project OPR-452

Tatitlek Narrows,

Sheet H-8901

Alaska

The field work on this survey was done under the direct supervision of the Commanding Officer. The Boat Sheet was given a daily examination to check adequacy and accuracy of the hydrography. The survey is considered complete and adequate and no additional field work is deemed necessary.


John B. Watkins, Jr.
CDR, USESSA

TIDE NOTE

SHEET NUMBER H-8901

FIELD NUMBER HO-10-1-66

HO-10-2-66

Tide station used in this survey:

Station: ELLAMAR

Latitude: 60°53.75'

Longitude: 146°42.05'

Time Meridian: 150°W

Height MLLW on staff - feet: 5.2 feet

The tide station, located at the remains of the Ellamar Oil Dock, was used for all hydrography on the sheet. All hourly heights were scaled directly from the marigram by ship personnel. The MLLW height on the staff was furnished by the Washington Office.

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

TIDE NOTE FOR HYDROGRAPHIC SHEET

June 16, 1969

~~National Ocean Division~~ Pacific Marine Center

Plane of reference approved in
10 volumes of sounding records for

HYDROGRAPHIC SHEET 8901

Locality: Tatitlik Narrows, Alaska

~~Site of Port~~ Year: 1966

Plane of reference is mean lower low water

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

Ellamar Village

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

11.0 feet

Remarks


Chief, Tides and Currents Branch

USC&GSS HODGSON (CSS-27)
JOHN B. WATKINS, JR., COMDG.

VELOCITY CORRECTIONS
AND
COMBINED VELOCITY AND BARCHECK CORRECTIONS

To be applied to all hydrography accomplished in the Tatitlik area on
Project OPR 452 from 3 August 1966 to 20 August 1966.

CORRECTIONS TO DEPTH IN FEET

Sheets HO-10-1-66
HO-10-2-66

<u>HODGSON & MWB</u>		<u>LAUNCH 1192</u>			
<u>Corr. Ft.</u>	<u>Depth Ft.</u>	<u>echo shunder #534</u>		<u>echo sounder #554</u>	
<u>Corr. Ft.</u>	<u>Depth Ft.</u>	<u>Corr. Ft.</u>	<u>Depth Ft.</u>	<u>Corr. Ft.</u>	<u>Depth Ft.</u>
+0.0	66-06	+0.0	00-11	+0.0	00-16
0					
0.2	17	0.2	15	0.2	21
0.4	29	0.4	25	0.4	30
0.6	42	0.6	37	0.6	42
0.8	56	0.8	54	0.8	56
1.0	87	1.0	87	1.0	87
1.5					
1.5	174	1.5	174	1.5	174
2.0	174-max depth	2.0	174-max depth	2.0	174-max depth

Corrections for Launch 1192 are combined barcheck and temperature and salinity velocity corrections

Corrections are to be applied in the following manner:

- East Div Memo
- should be verified
by VC*
1. All actual draftstares reduced by one foot.
 2. All soundings are corrected to a zero initial
 3. Velocity corrections are then applied

The above corrections were obtained from:

Nansen Station #3 and BT cast
12 August 1966
L 60° 48'.7 N Long. 146° 48'.86 W
Barchecks obtained on days of Hydrography.

LIST OF STATIONS ON H-8901

(HO-10-1-66 and HO-10-2-66)

<u>NAME USED IN</u> <u>HYDROGRAPHIC SURVEY</u>	<u>ORIGIN OF STATION</u>
ABE	T-12997
ACT	T-13002
ASS	T-13001
BAG	T-12997
BIG	T-13002
BLI	BLIGH, 1901
BOB	T-12999
BOX	T-12998
CEN	CENT, 1901
COD	T-12998
CUR	T-13002
DUN	T-13002
EGO	T-12998
ELL	ELLA, 1901
FAG	T-13001
FIN	Volume V, page 4, Launch 1192, HO-10-1-66
FUN	T-13002
GAB	ELLAMAR, BUILDING ON PIER, NORTH GABLE, 1965
GUM	T-12998
GUS	T-12999
HAT	T-12999
HOP	Volume II, page 51, Launch 1192, HO-10-2-66
ICE	T-12998
JAP	T-13002
JUG	T-13002
KEY	T-12997
LAY	Volume VII, page 3, Ship HODGSON
LAM	T-13002
LIP	T-12998
MAN	T-13001
NEW	T-13001
OAK	T-13002
PAL	T-13001
PIL	Volume V, page 4, Launch 1192, HO-10-1-66
PIP	T-13001
PRO	T-12998
FUD	T-13001
PUK	T-13001
QUO	T-12998
RAT	T-13001
RUN	T-12998
SAM	T-13001
SIS	T-12998

SLY
SUG
TON
TOY
TRY
USE
VAL
WAR
WET
WIT
YAK
ZOO

T-13001
T-13001
PRESTON, 1901
T-13001
T-13001
T-13001
T-13001
T-13001
T-13001
Volume II, page 51, Launch 1192, HO-10-2-66
T-12998
T-13001
T-12998

GEOGRAPHIC NAMES PENCILED ON H-8901

BLIGH ISLAND

BIDARKA POINT

BOULDER BAY

BUSBY ISLAND

BLACK POINT

COPPER MOUNTAIN PENINSULA

CLOUDMAN BAY

ELLAMAR

TATITLEK NARROWS

TATITLEK

VIRGIN BAY

GEOGRAPHIC NAMES

Survey No. H-8901

Name on Survey	Source of Name											
	A	B	C	D	E	F	G	H	K			
Bligh Island												1
Bidaraka Point												2
Boulder Bay												3
Busby Island												4
Black Point												5
Copper Mountain Peninsula												6
Claudman Bay												7
Ellamar												8
Tatitlek												9
Tatitlek Narrows												10
Virgin Bay												11
												12
												13
												14
												15
												16
												17
												18
												19
												20
												21
												22
												23
												24
												25
												26
												27

PREPARED BY

Joseph M. Peckert
CARTOGRAPHIC TECHNICIAN

APPROVED BY

A. J. Wright
CHIEF GEOGRAPHER

HYDROGRAPHIC SURVEY STATISTICS
 HYDROGRAPHIC SURVEY NO. H-8901

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

RECORD DESCRIPTION		AMOUNT	RECORD DESCRIPTION		AMOUNT	
SMOOTH SHEET		1	BOAT SHEETS		2	
DESCRIPTIVE REPORT		1	OVERLAYS			
DESCRIPTION	DEPTH RECORDS	HORIZ. CONT. RECORDS	PRINTOUTS	TAPE ROLLS	PUNCHED CARDS	ABSTRACTS/SOURCE DOCUMENTS
ENVELOPES						
CAHIERS		1				
VOLUMES	10					
BOXES						
T-SHEET PRINTS (List) <u>T-12997, T-12998, T-12999, T-13001, T-13002</u>						
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				1796
POSITIONS CHECKED		743		
POSITIONS REVISED		46		
DEPTH SOUNDINGS REVISED <i>or added</i>		804		
DEPTH SOUNDINGS ERRONEOUSLY SPACED		100		
SIGNALS ERRONEOUSLY PLOTTED OR TRANSFERRED				
	TIME (MANHOURS)			
TOPOGRAPHIC DETAILS				
JUNCTIONS <i>tracing Junction area, two Surveys, this Sheet</i>		24		
VERIFICATION OF SOUNDINGS FROM GRAPHIC RECORDS		208		
SPECIAL ADJUSTMENTS				
ALL OTHER WORK		8848		
TOTALS		418		418
PRE-VERIFICATION BY	BEGINNING DATE		ENDING DATE	
VERIFICATION BY <i>Clarence R Lehman</i>	BEGINNING DATE <i>Apr. 25, 1968</i>		ENDING DATE <i>May 13, 1968</i>	
REVIEW BY	BEGINNING DATE		ENDING DATE	

VERIFIER'S REPORT
HYDROGRAPHIC SURVEY, H-8901

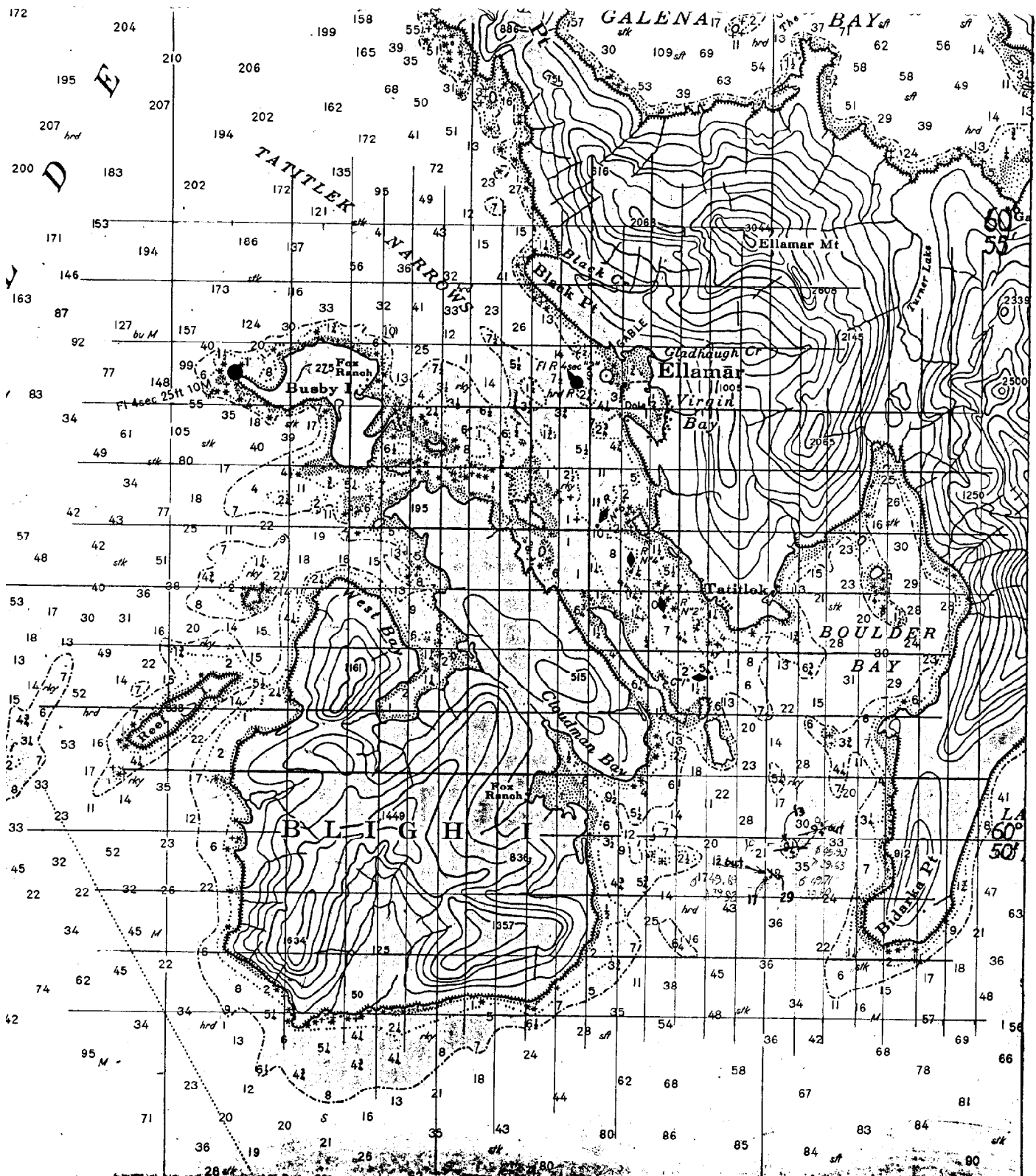
INSTRUCTIONS - This form serves to identify items of a check list in verification together with items which are separately reported to the Reviewer. The form is not to be forwarded to the Reviewer. A report, which is prepared for the Reviewer, should identify items by number and letter and will be filed 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
Note: The verifier should first read the Descriptive Report for general information and problems.			10. Junctions with contemporary surveys were satisfactory except as follows: <i>Join with Survey on Same Sheet ok.</i> Remarks Required: -- Consider conditions after adjustments have been made; note adjustments made. Make special notes of Butt junctions and areas which are SUPERSEDED .	✓	
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	✓				
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	✓		Part IV - VOLUMES 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	✓	
3. All reference to survey sheets mentioned in the Descriptive Report should include registry number and year. <i>H-2628, 1902</i> Remarks Required: -- None <i>H-2628a 1914</i>	✓		12. Condition of sounding records was satisfactory except as follows: Remarks Required: -- Mention deficiencies in completeness of notes or actions for the following: (a) rocks <i>heights corrected</i> (b) line turns <i>ok</i> (c) position values of beginning and ending of lines <i>ok</i> (d) bar check or velocity correctors <i>ok</i> (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? <i>yes</i> (j) were stamps completed? ✓ (k) references to adjacent features ✓		✓
Part II - SHORELINE AND SIGNALS i. Source of shoreline signals Remarks Required: -- List all surveys a. Give earliest and latest dates of photographs <i>July 1965</i> b. Field inspection date <i>Nov. 1966</i> c. Field Edit date d. Reviewed-Unreviewed	✓				
ii. The transfer of contemporary topographic information was carefully examined and reconciled with the hydrography. Remarks Required: -- Discuss remaining differences.	✓				
iii. 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	✓				
iv. 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.	✓		Part V - PROTRACTING 13. All positions verified instrumentally were check marked in color in the sounding records, and verifier initialed the processing stamp. Remarks Required: -- None	✓	
Part III - JUNCTIONS Note: Make a cursory comparison preliminary to making soundings in area of overlap. <i>not applicable</i> i. All junctions of contemporary or overlapping sheets were transferred in colored ink and overlapping curves were made identical. Remarks Required: -- None	<i>not applicable</i>		14. The protracting and plotting of all unsatisfactory crossings were verified. Remarks Required: -- None	✓	
ii. 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. <i>not applicable</i> Remarks Required: -- None	<i>not applicable</i>		15. All detached positions locating critical soundings, rocks, buoys, breakers, obstructions, kelp, etc., were verified and the position numbers are legible. Remarks Required: -- None	✓	

Part V - PROTRACTING (Continued)		CL	R	Part VIII - AIDS TO NAVIGATION		CL	R
16. The protracting was satisfactory except as follows: <i>good protracting</i> Remarks Required: -- Refers to protracting in general except for specific faults repeated often, or faults in control information, which required considerable replotting or adjustments.		✓		26. All fixed aids located together with those on the contemporary topographic sheets, have been shown on the survey. Remarks Required: -- Conflicts of any nature listed.		✓	
17. The protractor has been checked within the last three months. <i>Apr 15 1968</i> Remarks Required: -- Date of check, type of protractor and number. <i>Apr. 15 Long Arm.</i>		✓		27. All floating aids listed in the Descriptive Report should be verified and checked in soft black pencil, including latitude and longitude and position identification. Remarks Required: -- None		✓	
Part VI - SOUNDINGS				Part IX - BOATSHEET			
18. All soundings are clear and legible, and critical soundings are a little larger than adjacent soundings. Remarks Required: -- None		✓		28. The boat sheet was constantly compared with the smooth sheet with reference to notes, position of sounding lines and supplemental information. Remarks Required: -- None		✓	
19. Sounding line crossings were satisfactory except as follows: <i>Several adj. required replotting as recorded.</i> Remarks Required: -- Discuss adjustments.		✓		29. Heights of rocks awash were correctly reduced and compared with topographic information. Remarks Required: -- Note excessive conflicts with topographic information.		✓	
20. The spacing of soundings as recorded in the records was closely followed; <i>except for those omitted and beginning & ending of lines.</i> Remarks Required: -- None		✓		Part X - GENERAL			
21. The scanning, reduction, spacing, plotting of questionable soundings have been verified. Remarks Required: -- None		✓		30. All information on the sheet is shown in accordance with figures 82 and 83 in the Hydrographic Manual (Pub. 20-2). Remarks Required: -- None		✓	
22. The smooth plotting of soundings was satisfactory except as follows: Remarks Required: -- Refer to legibility, errors in spacing, and errors in numbers - but not to errors in scanning. <i>17-boatworn Sndgs, add d. good legibility.</i>		✓		31. Unnecessary pencil notes have been removed from the sheet. Remarks Required: -- None		✓	
Part VII - CURVES				32. Degree, minute values and symbols have been checked; also electronic distance arcs have been properly identified and checked on the smooth sheet. Remarks Required: -- None		✓	
23. The depth curves have been inspected before inking. Remarks Required: -- By whom was the penciled curves inspected. <i>WMM</i>		✓		33. The bottom characteristics are adequately shown. Remarks Required: -- None		✓	
24. The low-water line and delineation of shoal areas have been properly shown in accordance with the following: a. From T-Sheet in dotted black lines ✓ b. From soundings in orange ✓ c. Approximate position of sketched curve is dashed orange ✓ d. Approximate position of shoal area not sounded in black dashed ✓ Remarks Required: -- None		✓	✓	Part XI - NOTES TO THE REVIEWER			
25. Depth curves were satisfactory except as follows: (This statement should not refer to the manner in which the curves were drawn). Remarks Required: -- Indicate areas where curves could not be drawn completely because of lack of soundings. For some inshore areas a general statement is sufficient.		✓		34. Unresolved discrepancies and questionable soundings.		✓	
				35. Notation of discrepancies with photogrammetric survey inserted in report of unreviewed photogrammetric survey or on copy.		✓	
				36. Supplemental information.		✓	
Verified by <i>Clarence R. Lehman</i>				Date <i>Aug. 5th 1968</i>			



(Port Fidalgo and Valdez Arm) **C. & G. S. 8519**
 SOUNDINGS IN FATHOMS - SCALE 1:79,291 **PRICE \$1.50**
Soundings in Red from H-890

146° 50'

119

85

57

51

146° 40'

22

Approval Sheet

The smooth sheet has been inspected and meets the requirements of the Hydrographic Manual. (Note: Exceptions are noted in the verifier's report.)

Examined and Approved

William M. Martin
William M. Martin
Supervisory Carto. Tech.

Approved and Forwarded

K. William Jeffers
K. William Jeffers, CDR, USESSA
Chief, Processing Division, PMC

This survey has been compared with Chart 8519, 9th Ed. Mar. 11/68.

Three soundings, whose source is the Boatsheet, are found in error. The 9½ fm sounding at Lat. 60° 49.93', Long. 146° 39.63' should be 13 fms. The 12 fm sounding at 60° 49.71', Long. 146° 39.80' should be 29 fms. There is a 17 fm sounding near by at Lat. 60° 49.69', Long. 146° 39.92'. ff 16707

The 9½ fm sounding is the result of reading the wrong scale. The 12 fm sounding the result of a 100 foot error.

W. M. M.

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. H-8901

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
8519	11-25-70	ERIC FREY	Full Part Before After Verification Review Inspection Signed Via Drawing No. <i>Critical corrections only</i>
8551	4-7-71	Charles S. Forbes	Full Part Before After Verification Review Inspection Signed Via Drawing No. <i>(Revised 10 fm curve and several soundings thru 8519)</i>
8519	7-19-77	J. J. Browski	Full Part Before After Verification Review Inspection Signed Via Drawing No. <i>Category I, App'd Hydro Thru-out Consider a final Application</i>
8551	8/26/77	M. J. Press	Full Part Before After Verification Review Inspection Signed Via Drawing No. <i>Category I - App'd Hydro throughout common area thru Chart 8519 DWS. A.S. #16</i>
16707	9/16/77	Naitok	Full Part Before After Verification Review Inspection Signed Via Drawing No. <i>Applied hydro throughout. Considered fully appld as Class I survey</i>
			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.
			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.
			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.
			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.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.

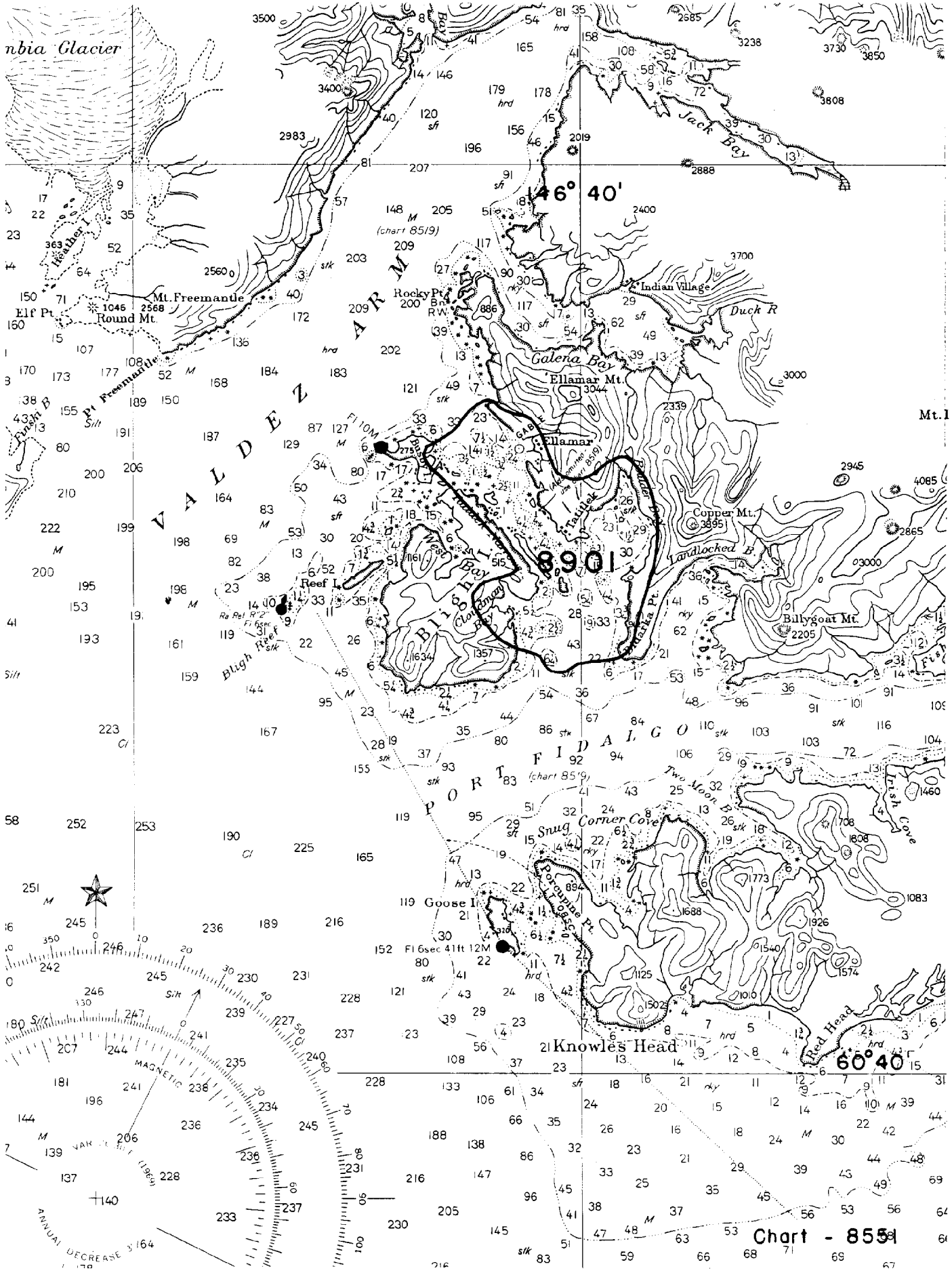


Chart - 8551