

8907

Diag. Cht. No. 8252-2.

FORM C&GS-504

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

DESCRIPTIVE REPORT

Type of Survey Hydrographic

Field No. PA-10-2-66 Office No. H-8907

LOCALITY

State Southeast Alaska

General locality Keku Strait

Locality Vicinity of Pt. Macartney & Pinta
Rocks

19 66

CHIEF OF PARTY

B. I. Williams

LIBRARY & ARCHIVES

DATE April 27, 1970

8907

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-8907

Field No. PA-10-2-66

State Southeast Alaska

General locality Keku Strait

Locality Vicinity of Point Macartney and Pinta Rocks
~~Point Macartney to Farnsworth Island~~

Scale 1:10,000 Date of survey August-September 1966

Instructions dated 28 January 1966

Vessel USC&GSS PATTON

Chief of party Bruce I. Williams, LCDR

Surveyed by J. O. Rolland

Soundings taken by ~~hydrographer~~, graphic recorder, hand lead, ~~etc.~~

Fathograms scaled by R. Berg

Fathograms checked by Ship's Officers

Protracted by J. O. Rolland

Soundings penciled by J. O. Rolland

Soundings in fathoms ~~XXXX~~ at ~~XXXX~~ MLLW

REMARKS:

.....
.....
.....
.....
.....
.....

DESCRIPTIVE REPORT
to accompany

HYDROGRAPHIC SURVEY H-8907 (PA-10-2-66)

Scale 1:10,000

USC&GSS PATTON

B. I. WILLIAMS, COMDG.

1966

A. PROJECT

This survey is part of project OPR-448, Keku Strait, Southeast Alaska. The project INSTRUCTIONS were dated January 28, 1966.

B. AREA SURVEYED

This survey covers the area of Point Macartney, Cape Bendell and Pinta Rocks at the north approach to Keku Strait. It extends from Lat. $57^{\circ} 01' 00''$ N on the south to Lat. $57^{\circ} 06' 00''$ N on the north. It extends from Long. $133^{\circ} 57' 00''$ W on the east to a diagonal line running from Lat. $57^{\circ} 06' 00''$ N, Long. $134^{\circ} 02' 00''$ W to Lat. $57^{\circ} 01' 00''$ N, Long. $134^{\circ} 05' 00''$ W on the west. ✓

Hydrography commenced on August 10, 1966 and was completed on September 20, 1966. ✓

There were no prior surveys furnished for the area of this survey. *See Review* ✓

This sheet junctions with contemporary survey PA-10-3-66 along the southern limits. (H-9000) ✓

C. SOUNDING VESSEL

Echo sounding was accomplished by launch number CS-1191. Launch day letters are shown in violet lower case letters on the boat and smooth sheets. ✓

Bottom sampling was accomplished by the ship PATTON. Ship day letters are shown in violet capital letters. ✓

Detached positions on rocks were obtained by a skiff party. Skiff day letters are shown in blue lower case letters. ✓

D. SOUNDING EQUIPMENT

All launch echo soundings were obtained by a Raytheon DE-723B portable depth recorder, serial number 556. ✓

Echo sounding corrections for the hydrography were determined by bar checks to a depth of seven fathoms. Velocity corrections for greater depths were computed from temperature and salinity observations. ✓

Details relating to the determination of echo-sounding corrections are given in the 1966 Fathometer Correction Report. ✓

The launch fathometer worked well throughout the duration of the survey, with no problems encountered. ✓

On two occasions it was necessary to reduce the speed of the launch to obtain a better tracks due to rough seas (1 and n days). *Mentioned in volumes* ✓

All echo soundings were recorded in fathoms. ✓

Critical least depths on shoals and rocks were obtained with a leadline. ✓

E. SMOOTH SHEET

The smooth sheet projection was made on October 10, 1966 by the electronic plotter at Pacific Marine Center. The projection was checked and the control added in October, 1966. The shoreline has not been added at this time. ✓

F. CONTROL

Control of hydrography was obtained solely by visual three-point sextant fixes on shore signals. Most of the shore signals were built over triangulation stations and photo-hydro points. There are eight hydro signals in the vicinity of Point Macartney. These were cut in from offshore using a three-point sextant fix on existing triangulation with a simultaneous cut to the signal. ✓

Five signals (BOX, ZAG, TUB, RIM, YET) were made into hydro signals on the basis of the cuts taken after originally being photo-identified. The signals were apparently mis-identified originally. See section 0 for further data on signals. ✓

PH-6266

Photo-hydro signals were located on 1962 photographs and plotted on manuscripts T-12178, T-12179, and T-12183. The manuscripts are incomplete compilations. ✓

Reviewer had access to Advance Manuscripts

G. SHORELINE

The shoreline was transferred from the manuscripts listed in section F. *See P.O.N.* ✓

Field inspection of shoreline details was accomplished within the boundaries of the survey. The boat sheet shoreline was transferred from incomplete manuscripts. The smooth sheet shoreline will be transferred from advance manuscripts which will contain all the corrected data obtained in the field. ✓

See P.O.N.

Many rocks not shown on the manuscripts were located by the hydrographic party. ✓

Limits of several kelp and foul areas were revised or added by the hydrographic party. Refer to notes in the sounding volumes. ✓

The low water line in some areas was not defined because of steep shoreline and/or alongshore foul areas. The launch was navigated as close to shore as safety permitted. ✓

H. CROSSLINES

Crosslines on this sheet represent 9% of the hydrography. ✓

I. JUNCTIONS

The junction with contemporary survey PA-10-3-66 was good. There is one discrepancy at Lat. $57^{\circ} 01' 02''$ N, Long. $134^{\circ} 02' 25''$ W. PA-10-2-66 has an 8.7 fathom sounding next to a 12 (9 on 55, H-9000) ✓
Adjusted correctly by verifier.

J. COMPARISON WITH PRIOR SURVEYS

The only prior survey is the 1:80,000 H-1996. This survey was not furnished for comparison. *See Review* ✓

Presurvey review item #1.

The rock awash on chart 8201 about 0.2 miles north of Cape Bendel was accurately located. It bares 7 feet at MLW at the high point near the SW end. It's position is Lat. $57^{\circ} 03.92' N$, Long. $134^{\circ} 01.77' W$. This position should superseed all others for charting purposes. ✓

Source T-2116 (1893) - on present survey: pos. 9, 10 "b", vol. 10, p. 7

K. COMPARISON WITH THE CHART

A detailed comparison with chart 8201 was not attempted due to the small scale of the chart. (or chart # 8252) Reviewer's Comparison with 8201, Sixteenth Ed., Nov. 7, 1970 ✓

A 1 $\frac{1}{2}$ fathom sounding was obtained approximately 0.5 $\frac{1}{2}$ miles MNW of Point Macartney. This peak is not shown on chart 8201. Its position from the boat sheet is Lat. 57° 42.0'N, Long. 134° 03.7'W. pos. 73-74; (violet) ✓

Charted as 11-fm (from boatsheet) on Sixteenth Ed. of Cht. 8201 ✓

A shoal was located approximately 0.4 miles SW of Pinta Rocks Light. The least depth in the area was found to be 0.6 fathoms at Lat. 57° 04.93'N, Long. 133° 59.95'W. This shoal is marked by thick kelp. pos. 3g (blue) ✓

Numerous soundings shoaler than the charted 5 $\frac{1}{2}$ fathom value were found in the area east of West Pinta Rocks Light. Corrected on latest editions of Charts 8201 and 8252 ✓

L. ADEQUACY OF THE SURVEY

This survey is considered complete and adequate to supercede prior surveys for charting. ✓

M. AIDS TO NAVIGATION

There are 2 fixed aids and 1 floating aid to navigation within the limits of this survey. The light list and chart were checked and no discrepancies noted. The aids adequately serve the purposes for which they were established. ✓

See Reviewer's Report © Red is Pt. Macartney Light corroborated on photos of 7/29/65

N. STATISTICS

	<u>Ship PATTON</u>	<u>Launch 1191</u>	<u>Skiff Party</u>
No. of Positions	30	2299	62
Nautical Miles of Sounding Lines	0	260.9	0
No. of Bottom Samples	30	0	0

Total Area Surveyed (Square naut. miles)		17.5	
Tide Stations		1	
Magnetic Stations		1	
Temperature and Salinity Observations		1	

O. MISCELLANEOUS

A problem was encountered while running lines off of Point Macartney. The sounding lines in the vicinity were found to jump when fixes were changed. The party took cuts to check all signal locations as stated in section f. It was determined that 5 signals originally photoidentified did not check with the cuts. The photo-identification was re-checked and no errors found. Consequently the locations obtained by the sextant cuts were plotted and the long lines in the vicinity of Point Macartney replotted. Therefore, on the boat sheet the inshore lines are plotted using the original signal locations while the long offshore lines are plotted using the locations obtained by the cuts.
Correctly plotted on Smooth Sheet.

All other pertinent information has been stated in other sections of this report.

P. RECOMMENDATIONS

No other field work is recommended.

Q. REFERENCES TO REPORTS

Other reports related to this survey are:

Season's report	-)	
Coast Pilot Report	-)	- Submitted December 1966
Fathometer Correction Report	-)	
Field Inspection and Discrepancy Prints Reports	-	-	Submitted October 1966

M.N. MAKI
 FOR JOHN O. ROLLAND

TIDE NOTE

to accompany

Hydrographic Survey H-8907 (PA-10-2-66)

A Bristol Pressure Tide Gauge, located on the Kake Cannery pier at Kake, Alaska, controlled all hydrography on this sheet.

Station: Kake T. G.

Position: Lat. $56^{\circ} 57.9'N$

Long. $133^{\circ} 55.5'W$

Time Meridian: $120^{\circ}W$

Value of MLLW on Staff: 6.2 feet

Duration of operation: August 3, 1966 to September 23, 1966

No corrections for time or height were applied to the observed tides.

GEOGRAPHIC NAME LIST

Sheet H-8907 (PA-10-2-66)

The following geographic names have been penciled on the smooth sheet:

CAPE BENDEL

PINTA ROCKS

POINT MACARTNEY

POINT WHITE

TURNABOUT ISLAND

ABSTRACT OF CORRECTIONS TO ECHO SOUNDINGS

Launch 1191

RAYTHEON DE-723 FATHOMETER #556

These corrections to be used for all days of launch
 hydro on Hydrographic Survey PA-10-2-66 and PA-10-3-66.
 (H-8907) (H-9000)

<u>SCALE</u>	<u>CORRECTION</u>	<u>TO DEPTH</u>
A	+ 0.3	7.0 fms.
	+ 0.4	14.5
	+ 0.5	29.5
	+ 0.6	50.0
B	+ 0.6	All
C	+ 0.2	100
	+ 0.5	130
D	+ 0.5	All
E	+ 0.5	All

LIST OF SIGNALS

on Sheet H-8907 (PA-10-2-66)

<u>Name used in Hydrographic Survey</u>	<u>Origin of Station</u>
Add	T-12179
Alp	T-12178 Vol. 6 pg. 14, 20, 24
Ben	BENDEL, 1917
Box	T-12183
Cart	CART, 1927
Cat	T-12183
Del	T-12178
Dog	T-12183
Fre	T-12178
Fun	T-12183
Gal	T-12183
Gay	T-12178
Hoe	T-12179
Hup	T-12179
Ite	Vol. 6, Page 28
Jug	Vol. 1, Page 3
Kelp	KELP, 1965
Kid	Vol. 6, Pages 13, 16, 18
Lit	See p.o.n. notes "Aids to Navigation" PINTA ROCKS LIGHT, 1965
Nob	T-12179
Nut	T-12183

LIST OF SIGNALS
on Sheet H-8907 (PA-10-2-66)
(Continued)

<u>Name used in Hydrographic Survey</u>	<u>Origin of Station</u>
Off	T-12179
Pad	T-12183
Pin	T-12179
Rag	T-12179
Red (Pt. Macartney Light)	Vol. 6, Pages 17, 19
Rich <i>(Identified by Div. Photogrammetry on photos 65-M-272 and 273 of July 29, 1966)</i>	RICH, 1965
Rim	Vol. 6, Pages 12, 15, 19, 26
Rio	T-12183
Roy	T-12183
Sam	T-12183
She	T-12183
Tie	T-12179
Toy	T-12183
Tub	Vol. 6, Pages 12, 15, 17, 19
Vim	T-12183
Yet	Vol. 6, Pages 19, 25, 26, 27
Zag	Vol. 6, Pages 13, 16, 18, 24

TIDE NOTE FOR HYDROGRAPHIC SHEET

October 31, 1967

~~Nautical Chart Division~~

Pacific Marine Center

Plane of reference approved in
10 volumes of sounding records for

HYDROGRAPHIC SHEET 8907

Locality: Keku Strait, SE. Alaska

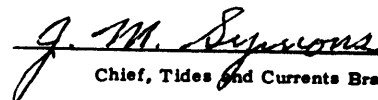
Chief of Party: B.I. Williams (1966)

Plane of reference is mean lower low water

Tide Station Used (Form C&GS-681):
Kake, Keku Strait, SE. Alaska

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

Remarks


Chief, Tides and Currents Branch

APPROVAL SHEET

PA-10-2-66

The 1966 field work on this sheet was performed under the direct supervision of the Commanding Officer. The field records have been examined and are considered to be complete and adequate.

Bruce I. Williams

Bruce I. Williams
Lieutenant Commander, ESSA
Commanding, Ship PATTON

GEOGRAPHIC NAMES

Survey No. H-8907

Name on Survey	Source of Name										
	A	B	C	D	E	F	G	H	K		
Cape Bendel											1
Frederick Sound											2
Keku Strait											3
Kupreanof Island											4
Pinta Rocks											5
Point Macartney											6
Point White											7
Turnabout Island											8
											9
											10
											11
											12
											13
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											24
											25
											26
											27

PREPARED BY

Frank W. [Signature]
CARTOGRAPHIC TECHNICIAN

APPROVED BY

A. Joseph Wright
CHIEF GEOGRAPHER

HYDROGRAPHIC SURVEY STATISTICS
HYDROGRAPHIC SURVEY NO. H-8907

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

RECORD DESCRIPTION		AMOUNT	RECORD DESCRIPTION		AMOUNT	
SMOOTH SHEET		1	BOAT SHEETS		1	
DESCRIPTIVE REPORT		1	OVERLAYS			
DESCRIPTION	DEPTH RECORDS	HORIZ. CONT. RECORDS	PRINTOUTS	TAPE ROLLS	PUNCHED CARDS	ABSTRACTS/ SOURCE DOCUMENTS
ENVELOPES						
CAHIERS	1					
VOLUMES	10					
BOXES						

T-SHEET PRINTS (List) T-12178, T-12179 & T-12183

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				2391
POSITIONS CHECKED		1101	63	
POSITIONS REVISED		286	0	
DEPTH SOUNDINGS REVISED		1368	1	
DEPTH SOUNDINGS ERRONEOUSLY SPACED		415	0	
SIGNALS ERRONEOUSLY PLOTTED OR TRANSFERRED		-ALP ^{date}	0	
	TIME (MANHOURS)			
TOPOGRAPHIC DETAILS		30	6 hrs.	
JUNCTIONS			1 "	
VERIFICATION OF SOUNDINGS FROM GRAPHIC RECORDS		293	5 "	
SPECIAL ADJUSTMENTS			0	
ALL OTHER WORK		142	92 "	
TOTALS		465	104 "	465
PRE-VERIFICATION BY	BEGINNING DATE		ENDING DATE	
VERIFICATION BY <u>Clarence R Lehman</u>	BEGINNING DATE <u>Jan 30, 1969</u>		ENDING DATE <u>Apr. 28th '69</u>	
REVIEW BY <u>S. Rose</u>	BEGINNING DATE <u>June 14, 1971</u>		ENDING DATE <u>June 30, 1971</u>	

Processing Office Notes

H-8907

SMOOTH SHEET

The shoreline was added to this sheet during verification and comes from Advanced Manuscripts T-12178, T-12179 and T-12183. ✓

CONTROL

In addition to the signals mentioned in the Descriptive Report as being changed, signal ALP was moved, using the sextant cuts recorded in Vol. 6, to a small H.W. topo rock about 20 meters east of the original point. Positions plotted using this new point appear to give better results both for time and line. ✓

SHORELINE


Almost all of the rocks, if not all, located by hydrography are also shown on the Advanced Manuscripts. ✓

JUNCTIONS

The discrepancy noted in the Descriptive Report is not in fact a discrepancy at all. The 8.9 fm sounding on this sheet falls on a 9.0 fm sounding on H-9000 which wasn't plotted on the boat sheet for H-9000. ✓

AIDS TO NAVIGATION

There appears to be some confusion in the geographic location ^{and name} of WEST PINTA ROCKS LIGHT. Vol. III page 1036 calls the light PINTO ROCK LIGHT, 1965; page 1044 calls it WEST PINTA ROCKS LIGHT, 1962 and the manuscript T-12178 shows WEST PINTA ROCKS LIGHT, 1966. The 1962 location was from third-order triangulation and computes about 0.28 meter NE of the 1965 location which was by third-order electronic traverse. The manuscript location scales about 4 meters SE of the other two. Note that the 1962 ^(triangulation) and 1965 names are not in agreement but ^(station names) G. Ps. are, for all practical purposes. (1966 Light List # 3133) ~~See Review~~ ^{← also 65 quad}
~~See preceding two pages (removed)~~ ✓

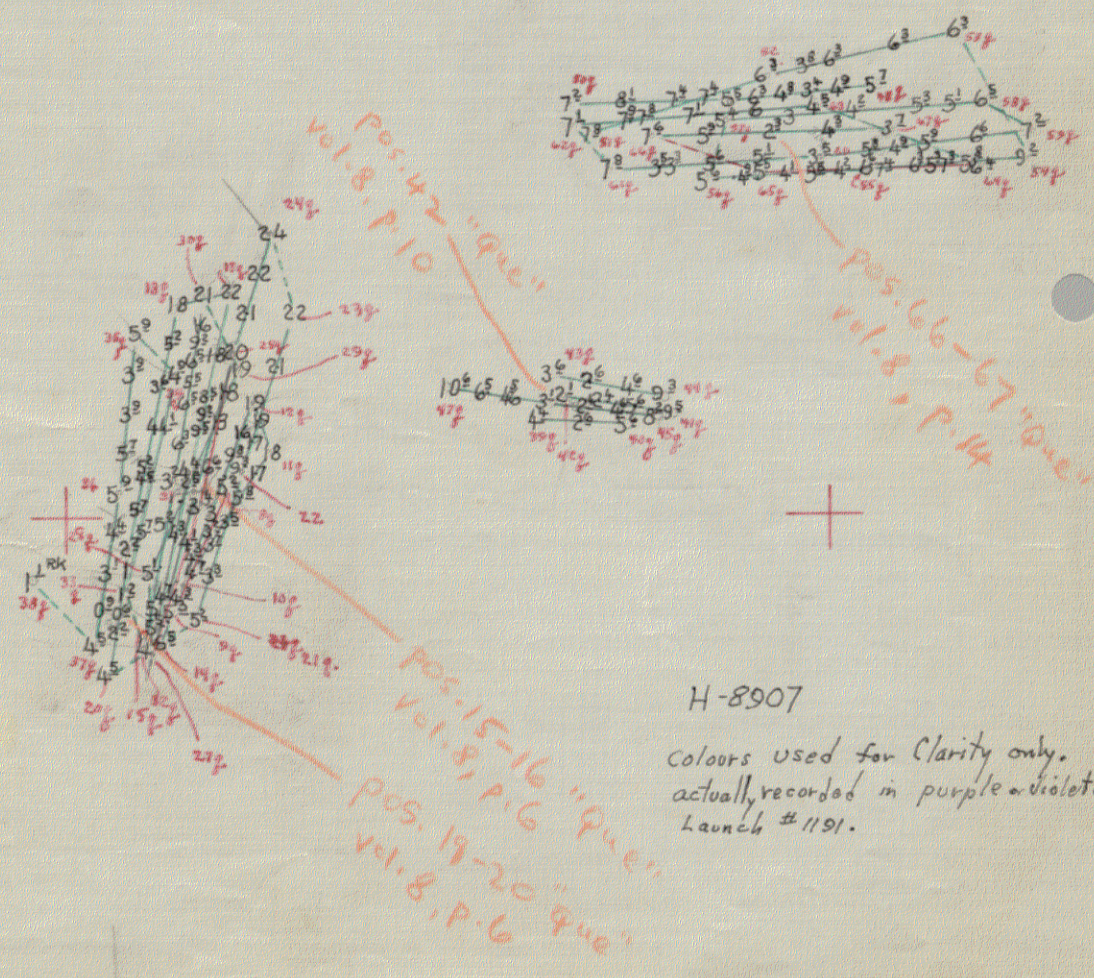

William M. Martin
Supervisor Carto. Tech.

North ↑

133° 59' 00"



57° 05' 30"



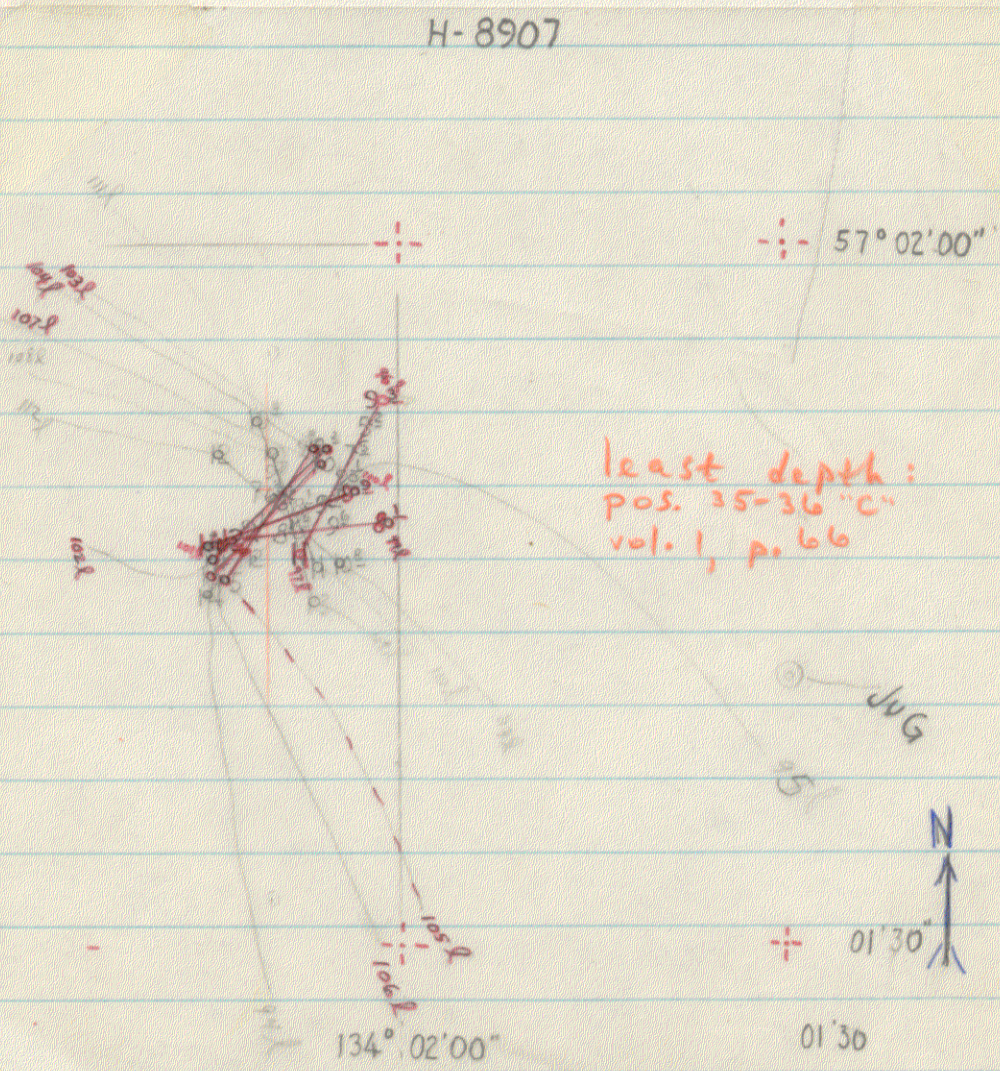
H-8907

CRL

Verifiers Report

Subject: overlay - AREA - OFFSHORE of JUG

H-8907



least depth:
pos. 35-36 "C"
vol. 1, p. 66

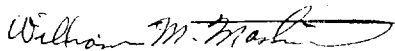
See vol. 6, p. 54

Plotted on S.S. by Verifier.

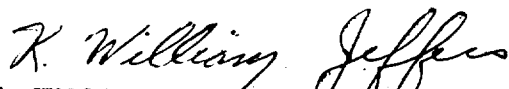
Approval Sheet

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
Supervisory Carto. Tech.

Approved and Forwarded


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

H-8907

ITEMS FOR FUTURE PRESURVEY REVIEWS

This is an area of hard bottom and no significant changes in the bottom are considered likely.

Additional investigation for least depths is desirable on the following features:

- | | | | |
|----|----------|-------------------------|---------------------------|
| 1. | 3.2 fms. | lat. $57^{\circ}04.8'$ | long. $133^{\circ}59.05'$ |
| 2. | 3.4 fms. | lat. $57^{\circ}04.85'$ | long. $133^{\circ}58.7'$ |
| 3. | 4.3 fms. | lat. $57^{\circ}02.03'$ | long. $134^{\circ}01.68'$ |

The position of least depth in kelp patches is questionable and should be redetermined as follows:

- | | | | |
|----|---------|-------------------------|---------------------------|
| 4. | 3.0 fm. | lat. $57^{\circ}01.80'$ | long. $134^{\circ}01.72'$ |
| 5. | 2.1 fm. | lat. $57^{\circ}01.83'$ | long. $134^{\circ}01.80'$ |

Position index lat. 570, long. 1341
bottom change index 1
use index 1
resurvey cycle 50 yrs.

Position index lat. 570, long. 1340
bottom change index 1
use index 1
resurvey cycle 50 yrs.

OFFICE OF MARINE SURVEYS AND MAPS

MARINE CHART DIVISION

HYDROGRAPHIC SURVEY REVIEW

REGISTRY NO. H-8907

FIELD NO. PA-10-2-66

Southeast Alaska, Keku Strait, Vicinity of Pt. Macartney and Pinta Rocks

SURVEYED: August 10, 1966 to September 20, 1966

SCALE: 1:10,000

PROJECT NO.: OPR-448

SOUNDINGS: Raytheon DE-723 Depth
Recorder

CONTROL: Sextant fixes on shore
signals

Chief of Party.....	B. I. Williams
Surveyed by.....	J. O. Rolland
Protracted by.....	J. O. Rolland
Soundings Plotted by.....	J. O. Rolland
Verified and Inked by.....	C. R. Lehman
Reviewed by.....	S. Rose
.....	Date: June 30, 1971
Inspected by.....	R. H. Carstens

1. Description of the Area

This survey of a portion of Frederick Sound adjoins the northern entrance to Keku Strait. It extends from Point Macartney northeastward to Pinta Rocks.

The shoreline is steep and bordered largely by ledge. The bottom is very irregular. Northeast of Cape Bendel, less than a mile offshore, reefs and islets of Pinta Rocks rise abruptly from general depths of 20 fathoms. Inshore areas are characterized by numerous reefs and pinnacles.

The entire Keku Strait area is increasing in commercial importance because of fishing and lumber interests, and will be charted at a much larger scale within two years.

2. Control and Shoreline

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

The shoreline originates with Advance Manuscripts of T-12178, T-12179 and T-12183. These sheets are based upon photography of the years 1962-1965 and were field edited in 1966.

shoreline corrected for changes made during final review.

*RHC Carstens
11/13/72*

The position of Pt. Macartney Light was not indicated by the hydrographer or during the photogrammetric field edit. Additional examination of photographs was required to identify the lone house on which the light was built.

3. Hydrography

- A. Depths at crossings are in good agreement.
- B. The standard depth curves are adequately delineated.
- C. The development of the bottom configuration and least depths is adequate except that additional developments for least depths would have been desirable on the following features:

<u>sdg.</u>	<u>lat.</u>	<u>long.</u>
3.2 fm.	57°04.8'	133°59.05'
3.4 fm.	57°04.85'	133°58.7'
4.3 fm.	57°02.03'	134°01.68'

- D. The least depths on a number of critical shoals were not verified with the handlead.

4. Condition of the Survey

The field plotting, sounding records and the Descriptive Report are adequate and conform to the requirements of the hydrographic manual.

5. Junctions

An adequate junction has been effected on the south with H-9000 (1966-70). No other contemporary survey adjoins the present survey.

6. Comparison with Prior Surveys

H-1966 (1889) 1:80,000
 H-2150 (1892) 1:40,000
H-2333 (1897) 1:80,000

The entire area of the present survey is covered as far south as Pt. Macartney by H-1996. The other two prior surveys mentioned above cover only the southernmost portion of the present survey. No conflict is evident between the present survey and these prior surveys; however, the sparse soundings and small scale of these prior surveys make a comparison of little cartographic value.

The present survey with its close development and much larger scale, supersedes the prior surveys in the common area.

7. Comparison with Chart No. 8201, Sixteenth Ed., Nov. 7, 1970

A. Hydrography

The charted hydrography within the area of the present survey is from H-1996 (1889) and from the boatsheet of the present survey. The small scale of this chart precludes showing numerous irregularities in the bottom.

The present survey supersedes the charted hydrography in the common area.
*

B. Aids to Navigation

The floating and fixed aids to navigation on this chart, within the area of the present survey, are in agreement with the present survey, and each one adequately marks the feature intended.

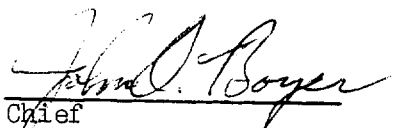
8. Compliance with Instructions

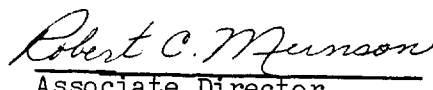
The present survey adequately complies with project instructions except as noted in items 2 and 3.

9. Additional Field Work

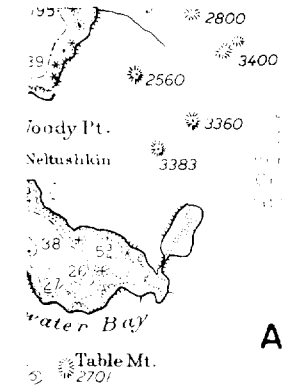
The present survey is a good basic survey and no additional field work is recommended.

Examined and Approved:


Chief
Marine Chart Division

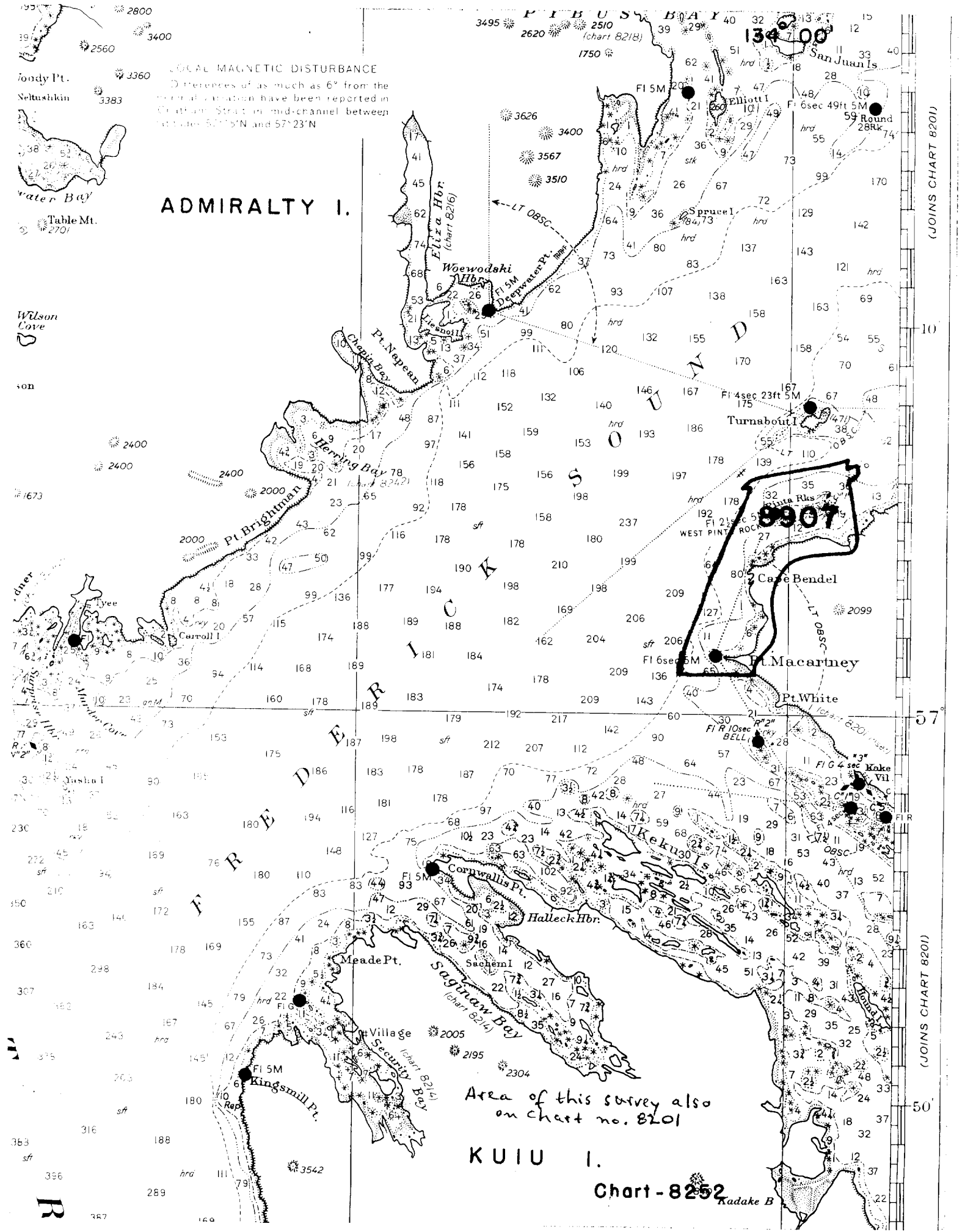

Associate Director
Office of Marine Surveys
and Maps

* The legend "current" shown in lat. $57^{\circ}01.65'$, long. $134^{\circ}03.6'$ indicates the existence of a current at the time of the survey. It is not considered important for charting. D.R.E. 9-9-75.



LOCAL MAGNETIC DISTURBANCE
 Differences of as much as 6° from the normal variation have been reported in Graham Strait in mid-channel between latitudes 5° 15' N and 57° 23' N

ADMIRALTY I.



Area of this survey also on chart no. 8201

KUIU I.

Chart - 8252
Kadake B

(JOINS CHART 8201)

(JOINS CHART 8201)

50

57

10

R

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. H-8907

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
8201	7-30-70	Eric Frey	Full Part Before After Verification Review Inspection Signed Via Drawing No. <i>Critical corrections only. Added 1/2 fthm</i> <i>sdg & revised one other sdg. & depth curve</i>
8252	1-21-71	Y E MOSS	Full Part Before After Verification Review Drawing No. <i>Revised sdgs & curves</i>
8201	8-12-71	Eric Frey	Full Part Before After Verification Review ^{<i>before</i>} Inspection Signed Via Drawing No. 22 <i>Appd corr's per review only</i>
8201	9-4-72	James Graham	Full Part Before After Verification Review Inspection Signed Via Drawing No. <i>13 fully applied hydrography</i> <i>after final review.</i>
8175	Aug. 25/73	DJK Kennan	Full Part Before After Verification Review Inspection Signed Via Drawing No. <i>Full application</i>
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