

9006

Diag. Cht. No. 8556-2.

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. PF-10-2-68 Office No. H-9006

LOCALITY

State ALASKA

General locality KODIAK & ~~SPRUCE~~ ISLANDS

Vicinity of
Locality OUZINKIE

19 68

CHIEF OF PARTY

CDR Alfred C. Holmes

LIBRARY & ARCHIVES

DATE JUN 7 1973

USCOMM-DC 37022-P66

9006

HYDROGRAPHIC TITLE SHEET

H-9006

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.

PF-10-2-68

State ALASKA

General locality Southwest Alaska, Kodiak and Spruce Islands

Vicinity of
Locality Ouzinkie

Scale 1:10,000

Date of survey 3 June - 19 June, 1968

Instructions dated 27 March 1968

Project No. PMC/SP-1-68

Vessel PATHFINDER Motor Launch #4

Chief of party CDR Alfred C. Holmes

Surveyed by Ens. Milburn, Ltjg Hoekstra, Ltjg Severy

Soundings taken by echo sounder, hand lead, ~~pot~~

Graphic record scaled by Ship's Personnel

Graphic record checked by Ship's Personnel

Positions Verified

~~checked~~ by Richard D. Lynn
verified

Automated plot by PMC Digital Plotter

Soundings ~~checked~~ by Richard D. Lynn

Soundings in fathoms ~~xxx~~ at ~~MLLW~~ MLLW

REMARKS:

8534 ✓
8556

6/24/68
DJL

A. PROJECT

The project number is PMC/SP-1-68 and the original instructions are dated 27 March 1968.

B. AREA SURVEYED

The area surveyed included the narrow strait between Kodiak and Spruce Islands and west of ~~Suzinkie~~ Point to the Three Brothers Light. *Oozinkie*

The sheet limits are as follows:

Western limit: 152° 33.2' W. Longitude
Northern limit: 57° 55.8' N. Latitude
Southeastern limit: a line between 57° 54.0' N. latitude and 152° 28.9' W. longitude on Kodiak Island and 57° 54.6' N. latitude and 152° 28.0' W. longitude on Spruce Island.

The hydrography for this survey began on 3 June 1968 and ended on 19 June 1968.

C. SOUNDING VESSELS

The survey vessel used for this project was motor launch number 4 from the USC&GS Ship PATHFINDER. All positions were inked in brown. Positions 5003--5098 are detached positions and bottom samples.

D. SOUNDING EQUIPMENT

The echo sounders used for this project were Raytheon 723's. Serial numbers of the fathometers used are 557 and 552. Bar checks at depths of 1, 2, and 4 fathoms were taken at the beginning and end of each day.

E. SMOOTH SHEET

The smooth sheet is to be plotted at the Pacific Marine Center with a Gerber Digital Plotter.

F. CONTROL

Control for the entire project was visual. Signals were located photogrammetrically and were transferred to the boat sheet from a copy of manuscript number T-11714, dated March 1968.

G. SHORELINE

The shoreline was transferred from a copy of manuscript T-11714 and has been verified. The northern tip of Low Island, Lat. $57^{\circ}54.9'N.$, Lon. $152^{\circ}33.2'W.$, extended into the project but the shoreline was not compiled on the manuscript. The low water line was not completely defined by soundings because of steep ledges, off-shore rocks, and shallow beaches.

H. CROSSLINES

Crosslines exceeded 8% of the hydrography excluding developments. No discrepancies were found between the crosslines and the regular system of lines.

I. JUNCTIONS

No junctions were required.

J. COMPARISON WITH PRIOR SURVEYS

The sunken rock at latitude $57^{\circ}55.21'N.$ and longitude $152^{\circ}32.60'W.$ and the shoal at latitude $57^{\circ}55.27'N.$ and longitude $152^{\circ}32.39'W.$ were investigated and a rocky shoal was found extending between the two points with a least depth (by hand lead) of ~~3.3~~ fathoms near the indicated submerged rock.

The inner harbor at Ouzinkie has changed considerably from the prior surveys. A diagram showing the location of piling and submerged piling is included with the field edit ozalid.

K. COMPARISON WITH CHART

The survey was compared with C&GS chart no. 8534, August 30, 1965. The chart compares very closely with the current survey with the exception of the harbor area.

L. ADEQUACY OF THE SURVEY

This survey is complete and adequate to supersede all prior surveys for charting.

M. AIDS TO NAVIGATION

The aids to navigation listed in the 1968 Light List were compared with those on chart no. 8534 and the official aids are in agreement. The Low Island Reef buoy no. 1 and the Three Brothers Reef buoy no. 2, however, were found to be approximately 150 meters southwest of their charted positions. These should be relocated ~~in the charted positions~~ to more adequately define the channel. Also, it is recommended that a fixed aid be placed on the shoal northeast of Entrance Point. The official aids to navigation, except those noted, adequately serve the purpose for which they were established.

N. STATISTICS

Number of Positions	1057
Miles of Sounding Lines	107.7
Number of D. P.s	47
Number of Bottom Samples	29
Signals Built	34
Triangulation Stations Recovered	5
Tide Gages Installed	1
Tide Gages Removed	1
Number of Oceanographic Stations	1
Area Surveyed	2 1/4 sq. mi.

O. MISCELLANEOUS

All data obtained was straight-forward with no unusual peculiarities in obtaining it.

P. RECOMMENDATIONS

This survey is considered to be excellent for charting with no further investigations necessary.

Q. REFERENCES TO REPORTS

Field Edit Report and Form 567 forwarded July 19, 1968.
Season's Report - 1968 - USC&GSS PATHFINDER
Fathometer Report, 1968 Field Season - USC&GSS PATHFINDER

Respectfully submitted,

Gerben Hoekstra

Gerben Hoekstra Lt(jg) USESSA

TIDE NOTE

A bubbler tide gage was installed on the fuel pier at Ouzinkie, Alaska, Lat. $57^{\circ}55.3'N$. - Lon. $152^{\circ}29.9'W$. The time meridian used was $135^{\circ}W$.

TIDE NOTE FOR HYDROGRAPHIC SHEET

9/20/68

~~Natural Chart District~~ Pacific Marine Center

Plane of reference approved ~~to~~
~~XXXXXX of XXXXX XXXXX~~ for

HYDROGRAPHIC SHEET PF 10-2-68 (PMC SP-1-68)

Locality: Uzinki, Spruce Island, Alaska

Chief of Party: A. C. Holmes, 1968

Plane of reference is mean lower low water

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

Uzinki

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

8.1 feet

Remarks


Chief, Tides and Currents Branch

LIST OF GEOGRAPHIC NAMES

BLACK POINT

ENTRANCE POINT

KODIAK ISLAND

LOW ISLAND

NARROW STRAIT

NEVA COVE

OTMELOI POINT

OUZINKIE NARROWS

OUZINKIE

OUZINKIE POINT

PROKODA POINT

SPRUCE ISLAND

NOTE: A request for having the spelling of Ouzinkie officially adopted as O U Z I N K I E instead of U Z I N K I was made to the U.S. Board of Geographic Names.

A copy of this request is enclosed.

PF 10-2-68

VELOCITY CORRECTIONS

3 JUNE TO 19 JUNE 1968

Correction

+0.1 fms. ↗

DEPTH

0 - 70 fms.

ABSTRACT OF CORRECTIONS TO ECHO SOUNDINGS

The TRA correction is the algebraic sum of the draft correction and the initial correction. All corrections are listed in the following table so that they apply from the time at which they are listed up to but not including the next tabulated time. They are listed in fathoms.

MI#4

<u>Draft</u>		<u>Initial</u>	<u>TRA</u>	<u>Time</u>	<u>Day</u>
+ 0.3		0.0	+ 0.3	000000	
"	-	0.1	+ 0.2	123215	157
"		0.0	+ 0.3	123930	"
"	-	0.1	+ 0.2	130830	"
"		0.0	+ 0.3	134200	"
"		0.0	+ 0.3	000000	158
"	+	0.1	+ 0.4	111315	"
"		0.0	+ 0.3	121930	"
"	+	0.1	+ 0.4	122700	"
"		0.0	+ 0.3	123015	"
"	+	0.1	+ 0.4	131100	"
"		0.0	+ 0.3	131430	"
"	-	0.1	+ 0.2	151830	"
"		0.0	+ 0.3	152145	"
"		0.0	+ 0.3	000000	159
"	+	0.1	+ 0.4	102615	"
"		0.0	+ 0.3	103345	"
"	-	0.1	+ 0.2	112600	"
"		0.0	+ 0.3	113100	"
+ 0.4	+	0.1	+ 0.5	132245	"
"		0.0	+ 0.4	134215	"
"	+	0.1	+ 0.5	134500	"
"		0.0	+ 0.4	134700	"
"		0.0	+ 0.4	000000	161
+ 0.3	+	0.1	+ 0.4	161915	"
"		0.0	+ 0.3	162730	"
"		0.0	+ 0.3	000000	162
"	+	0.1	+ 0.4	112700	"
"		0.0	+ 0.3	113230	"
"	+	0.1	+ 0.4	113630	"
"		0.0	+ 0.3	114230	"
"	+	0.1	+ 0.4	130215	"
"		0.0	+ 0.3	130800	"
"	+	0.1	+ 0.4	154630	"
"		0.0	+ 0.3	155430	"
"		0.0	+ 0.3	000000	163
"	+	0.1	+ 0.4	134915	"

ML# 4 Cont.

<u>Draft</u>	<u>Initial</u>	<u>TRA</u>	<u>Time</u>	<u>Day</u>
+ 0.3	0.0	+ 0.3	141030	163
"	+ 0.1	+ 0.4	150630	"
"	0.0	+ 0.3	152130	"
"	- 0.1	+ 0.2	153400	"
"	0.0	+ 0.3	000000	164
"	+ 0.1	+ 0.4	090115	"
"	0.0	+ 0.3	090500	"
"	+ 0.1	+ 0.4	094900	"
"	0.0	+ 0.3	095445	"
"	- 0.1	+ 0.2	102630	"
"	0.0	+ 0.3	103230	"
"	+ 0.1	+ 0.4	105630	"
"	0.0	+ 0.3	111315	"
"	- 0.1	+ 0.2	135330	"
"	0.0	+ 0.3	135845	"
"	- 0.1	+ 0.2	151930	"
"	0.0	+ 0.3	152645	"
"	- 0.1	+ 0.2	154330	"
"	0.0	+ 0.3	154530	"
"	0.0	+ 0.3	000000	165
"	- 0.1	+ 0.2	103830	"
"	0.0	+ 0.3	104000	"
"	- 0.1	+ 0.2	130015	"
"	0.0	+ 0.3	130145	"
"	- 0.1	+ 0.2	130930	"
"	0.0	+ 0.3	131545	"
"	- 0.1	+ 0.2	134900	"
"	0.0	+ 0.3	135115	"
"	- 0.1	+ 0.2	145830	"
"	0.0	+ 0.3	150215	"
"	- 0.1	+ 0.2	152530	"
"	0.0	+ 0.3	152845	"
"	- 0.1	+ 0.2	161315	"
"	0.0	+ 0.3	162730	"
"	- 0.1	+ 0.2	165500	"
"	0.0	+ 0.3	170545	"
"	0.0	+ 0.3	000000	166
"	0.0	+ 0.3	000000	167
"	+ 0.1	+ 0.4	091300	"
"	0.0	+ 0.3	000000	168
"	0.0	+ 0.3	000000	169
"	0.0	+ 0.3	000000	300

LIST OF SIGNALS

PF-10-2-68

<u>STATION</u>	<u>ORIGIN</u>
001	T-11714
002	T-11714
003	T-11714
004	T-11714
005	T-11714
006	T-11714
007	T-11714
008	T-11714
009	T-11714
010	T-11714
011	T-11714
012	T-11714
013	ZINK 1967
014	GARDEN 1967
015	SMALL 1933
016	THREE BROTHERS REEF LIGHT 1967
017	T-11714
018	T-11714
019	T-11714
020	T-11714
021	T-11714
022	T-11714
023	T-11714
024	T-11714
025	T-11714
026	T-11714
028	T-11714
029	T-11714
030	T-11714
031	T-11714
032	T-11714
033	T-11714
034	COV COR 1907 1933

TRIANGULATION STATIONS ON UZINKI BOAT SHEET

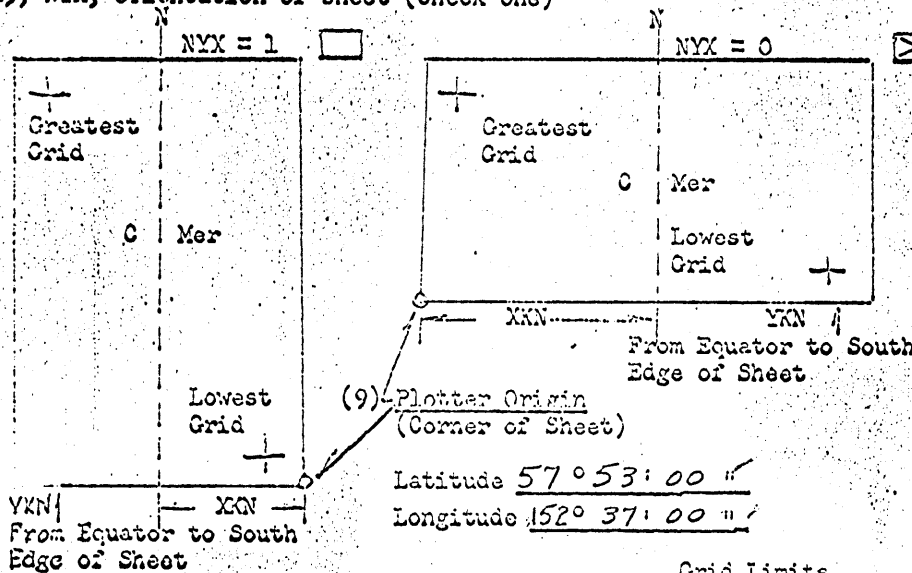
*SMO 1/2
5/100*

CODE	o	i	METER	o	i	METER	NAME	
015	012	57	56	1248	152	31	0029 SMA	<i>SMALL 1933</i>
	013	57	55	1028	152	35	0132 NOF	<i>NOF 2, 1967 not used</i>
	✓ 014	57	56	0406	152	29	0786 GAR	<i>GARDEN, 1967</i>
019	015	57	55	0783	152	30	0758 ZIN	<i>ZINK, 1967</i>
	016	57	54	0518	152	33	0000 PET	<i>PETE, 1967 NOT USED</i>
016	017	57	55	0891	152	33	0096 TBR	<i>THREE BROTHERS Reef LIGHT, 1967</i>

PARAMETERS FOR DIGITAL COMPUTING
POLYNOMIAL PROJECTION

Revised 10/1/67

- (1) Project No. PMC SP-1-68 (4) Requested by _____
 (2) H No. _____ (5) Ship or Office PATHFINDER
 (3) Field No. PF 10-2-68 (UZINKI) (6) Date Required _____
 (7) Visual Ft.(0) or Fathoms (1) (8) Electronic (fill out form #3)
 (10) XKN (SP 5) Distance from CMER to East Edge (NYX = 1) or West Edge (NYX = 0). 6921.6 Meters
 (11) YKN (SP 241) Distance from Equator to South Edge of Sheet. 6,418,077.78 Meters
 (12) Central Meridian 152° 30' 00"
 (13) Survey Scale 1: 10,000
 (14) Size of Sheet (Check one) 36×50 42×60
 (15) NYX, Orientation of sheet (Check one)



Grid Limits	
(16) Greatest Latitude	<u>57° 57' 30"</u> (Projection Line Interval Page 4 Hydro Manual)
(17) Lowest Latitude	<u>57° 53' 30"</u>
(18) Difference	<u>00° 04' 00"</u>
(19)	<u>00 30"</u>
(20)	<u>8 - YSN</u>
(21) Greatest Longitude	<u>152° 36' 30"</u>
(22) Lowest Longitude	<u>152° 23' 30"</u>
(23) Difference	<u>00° 13' 00"</u>
(24)	<u>00 130"</u>
(25)	<u>26 XSN</u>

OCEANOGRAPHIC LOG SHEET - M
BOTTOM SEDIMENT DATA

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

SERIAL NO.	LAUNCH No	DATE	CRUISE		DEPTH (Fathoms)	WEIGHT OF SAMPLER	APPROX. PENETRATION	LENGTH OF TUBE	LENGTH OF CORE	FIELD DESCRIPTION	REMARKS (Unusual conditions, cohesiveness, dented cutter, free fall, stat. no., trigger core no., date extruded, disposition, etc.)	OBS. INIT.
			QUINZIKIE	DATE COLLECTED								
LAUNCH No 4		PMc/SP-1-68		10-2-68		R. SEVERY		29 Nov 68				
			SAMPLE POSITION									
			57°N	152°W								
			"	"								
5056	6/13/68	55-17.5	29-47.0	4.9	10 LBS	SURFACE			gn fn S' w/gy M	FLAT BOTTOM	BW	
5057	"	55-00.5	29-32.5	18.2	"	"			gn fn S' w/gy M 5% P ^{BLUR}	"		
5058	"	55-01.5	30-03.0	16.0	"	"			fn Sh w/bu P	FLAT HARD BOTTOM		
5059	"	54-44.0	29-47.0	8.8	"	"			fn Sh + S' w/5% bu P	FLAT SANDY BOTTOM		
5060	"	54-41.5	29-16.0	39.9	"	"			Sh P	FLAT HARD BOTTOM		
5061	"	57-28.5	29-34.5	14.7	"	"			bu G w/fn Sh	SLOPE BOTTOM		
5066	6/14/68	24-26.0	29-01.5	53.3	"	"			gn O ₃ + Sh			
5067	"	54-38.5	28-40.0	8.0	"	"			gn O ₃ - S - Sh			
5068	6/15/68	54-23.0	28-19.5	42.4	"	"			gn O ₃ - S - Sh			
5069	"	54-10.5	28-40.0	48.8	"	"			gn O ₃ - S			
5070	"	54-34.0	30-14.0	10.3	"	"			bu P - Sh			
5071	"	54-52.0	30-36.5	12.4	"	"			bu P - Sh			
5072	"	54-40.0	31-18.5	7.3	"	"			bu P			
5073	"	55-00.0	31-47.0	12.0	"	"			bu P			
5074	"	55-18.5	31-31.0	8.8	"	"			gn Sh - S - P			
5075	"	55-32.5	31-05.5	4.7	"	"			gn spk S			
5076	"	55-43.0	30-37.0	3.0	"	"			bu P - Sh	FLAT (KELP PATCH)		

Use more than one line per sample if necessary.

USCOM-DC 33072-P00

All bottom samples on this sheet have been sent to Smithsonian Inst

OCEANOGRAPHIC LOG SHEET - M
BOTTOM SEDIMENT DATA

SERIAL NO.	LAUNCH NO	DATE	SAMPLE POSITION		DEPTH (fathoms)	WEIGHT OF SAMPLER	APPROX. PENETRATION	LENGTH OF TUBE	LENGTH OF CORE	FIELD DESCRIPTION	REMARKS (Unusual conditions, cohesiveness, dented cutter, free fall, stat. no., trigger core no., date extruded, disposition, etc.)	OBS. INIT.
			57°N LATITUDE	152°W LONGITUDE								
5077	4	6/15/68	55-40.5	31-44.0	15.6	10 LBS	SURFACE			S - Sh		29 Nov 68
5078		"	56-44.5	32-16.0	14.6	"	"			gy S - Sh		
5079		"	55-42.5	32-56.5	17.9	"	"			gn & spk S		
5080		"	55-26.0	32-46.0	7.4	"	"			lt gry S - Sh		
5081		"	55-24.5	32-10.0	10.0	"	"			br G - Sh		
5082		"	54-06.0	33-05.5	2.1	"	"			gn O ₃		
5083		"	54-34.0	32-55.5	8.0	"	"			lt gry S		
5084		"	54-24.5	32-29.5	4.6	"	"			gry S - Sh	ROCKY BOTTOMS	
5085		"	54-42.5	32-20.5	6.7	"	"			lt gry S - Sh - G		
5086		"	54-51.5	32-54.0	8.0	"	"			lt gry S - Sh - P		
5087		"	55-14.5	33-04.0	17.0	"	"			lt gry S		
5088		"	55-06.0	32-23.5	11.0	"	"			lt gry S - Sh		

Memorandum

TO : UNITED STATES BOARD OF GEOGRAPHIC NAMES

DATE: July 15, 1968

In reply refer to:

FROM : COMMANDING OFFICER, USC&GSS PATHFINDER

SUBJECT: Clarification as to the spelling of Ouzinkie (Uzinki) , Alaska

The above subject was investigated and the following was found:

1. U.S. Coast and Geodetic Survey charts use the spelling UZINKI.
2. U.S. Geological Survey quadrangles use the spelling UZINKI but add in parenthesis that the Post Office spelling is OUZINKIE.
3. Official State maps use the spelling OUZINKIE.
4. All city, legal and official, documents use the spelling OUZINKIE.
5. A city letterhead with the city seal and a number of business letterheads are included with this report.
5. Ouzinkie residents that were interviewed stated that the local spelling of the city, as far back as they could remember, has always been OUZINKIE. The following residents were interviewed:

- | | |
|-----------------------|--|
| A. ZACK P. CHICHENOFF | -President of Ouzinkie City Council
-Resided in city for 31 years |
| B. REV. NORMAN SMITH | -Secretary of Ouzinkie City Council
-Resided in city for 10 years |
| C. ADA PANAMARIOFF | -Ouzinkie Postmaster
-Born in Ouzinkie |
| D. FRED CHERNIKOFF | -Ouzinkie Businessman
-Born in Ouzinkie |
| E. FLORA SQUARTSOFF | -Housewife
-Born in Ouzinkie |



BUY U.S. SAVINGS BONDS REGULARLY ON THE PAYROLL SAVINGS PLAN

6. Residents indicated that the reason for the double spelling is:

- A. During W.W.II the Armed Forces in the area abbreviated the name to UZINKI.
- B. A large out of town shipper used the abbreviation UZINKI for many years.

It is the conclusion of the investigating officer that the spelling of OUZINKIE for the city be officially adopted. It is also recommended that the geographic names of Uzinki Point and Uzinki Narrows adopt the OUZINKIE spelling.



ALFRED C. HOLMES CDR. USESSA

RECEIVED

AUG 30 1968

SHIP PATHFINDER

Ouzinkie, Alaska

July 15, 1968

United States Board of Geographic Names
Washington, D.C.

Sirs:

We, the undersigned, desire that the spelling of our city be OUZINKIE as opposed to UZINKI; the spelling used on U.S. Coast and Geodetic Survey charts and U.S. Geological Survey Quadrangles. We desire also that all geographic features in the area using the name of our city use the desired spelling.

Zack P. Chichenoff
Zack P. Chichenoff
President of Ouzinkie City Council

Rev. Norman S. Smith
Rev. Norman Smith
Secretary of Ouzinkie City Council

Ada Panamarioff
Ada Panamarioff
Ouzinkie Postmaster

Fred Chernikoff
Fred Chernikoff
Ouzinkie Businessman

Flora Squartsoff
Flora Squartsoff
Ouzinkie Housewife

OUZINKIE SEAFOODS, INC.
OUZINKIE, ALASKA 99644

OUZINKIE VILLAGE COUNCIL
OUZINKIE, ALASKA 99644

OUZINKIE VILLAGE COUNCIL
OUZINKIE, ALASKA 99644

Ouzinkie Packing Corporation

OUZINKIE, ALASKA
Salmon Cannery

SEATTLE OFFICE
1800 WESTLAKE AVE. NORTH
SEATTLE, WASHINGTON
98109

SEATTLE OFFICE
1800 WESTLAKE AVE. N.
SEATTLE 9, WASH.

Ouzinkie Trading Co.

Ouzinkie, Alaska

LOCATIONS IN ALASKA—PORT BAILEY • PORT OTTO • OUZINKIE • KODIAK

KADIAK FISHERIES COMPANY

packers of Alaska Salmon and King Crab FOUNDED 1911

1826 EXCHANGE BUILDING — SEATTLE, WASHINGTON 98104 — PHONE: MAIN 2-0082

OUR BRANDS:

RED SOCKEYES
PARAMOUNT — NEW ERA
POINSETTIA
MEDIUM REDS
WATCHMAN
PINKS
CRITERION — UNCLE SAM
ZEST
CHUMS
SPEED
KING CRAB
ICY CAPE

address all communications to the company

COLUMBIA-WARDS FISHERIES

BOX 30 UNIVERSITY STATION
88 E. HAMLIN STREET
SEATTLE WASHINGTON 98105
PHONE EA. 3-3200

ALASKA OPERATIONS

EKUK
KENAI
EGEGIK
KOGGIUNG
LIBBYVILLE
PORT BAILEY
KODIAK

CHIGNIK
CRAIG
ALITAK
MOBER BAY
PETERSBURG
GEORGE INLET
PORT OTTO
OUZINKIE

APPROVAL SHEET

The field work and edit on this sheet have been examined and approved.

The survey is considered complete and adequate for charting purposes with no additional field work recommended.

for John W. Bricker
A. C. Holmes
CDR., USESSA
Cmdg. Officer
USC&GSS PATHFINDER

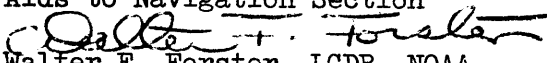


U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SURVEY
Pacific Marine Center
1801 Fairview Ave. E.
Seattle, Washington 98102

Date : 29 May 1973

Reply to Attn. of: CPM3

To : Seventeenth Coast Guard District
Aids to Navigation Section

From : 
Walter F. Forster, LCDR, NOAA
Chief, Processing Division, PMC

Subject: Buoy Location Discrepancies

The Hydrographic Survey H-9006 accomplished in 1968 in the locality of Ouzinkie, Alaska shows buoy location discrepancies.

The location of two buoys N-E of Low Island that represent the channel entrance to Ouzinkie Harbor, appear to have drifted approximately 150 meters to the S.E.

Low Island Reef Buoy 1, Light List number 3433, is published in 29 feet of water but was surveyed in 9 feet of water.

Three Brothers Reef Buoy 2, Light List number 3433, is published in 30 feet of water but was surveyed in 46 feet of water.

The cause of the buoy drift may be due to winter storms or other definition factors. The 1968 survey definitely shows that the buoys do not clearly define the best channel.

Please advise this office if the buoys in question have been re-located to reflect the published Light List position or if the 1968 survey location should be used for chart updating purposes.

Ref: C & GS 8534, 6th Ed., Jan 13, 1973

Light List Vol. III, Pacific Coast and Pacific Islands, 1968
CG-162 page 240 No. 3433

Section of Hydrographic Survey Sheet H-9006 dated 1968.

Enclosures: 2

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Luminous Range Intensity	(5) Geo- graphic Range	(6) Structure Ht. above ground Ht. above water	(7) Remarks Year
ALASKA SEVENTEENTH DISTRICT						
	COOK INLET¹					
3429	POINT MACKENZIE RANGE FRONT LIGHT. Qk. Fl. W.	On point 61 14.4 149 59.3	13 8,000	16	Orange diamond daymark on skeleton tower. 95	Visible 5° each side of range line. 1963
3430	POINT MACKENZIE RANGE REAR LIGHT. E. Int. W., 6 ^s	462 yards 061° from front light.	13 9,000	18	Orange diamond daymark on skeleton tower. 140	Visible 5° each side of range line. 1963
3431	ANCHORAGE AERO LIGHT Fl. W., 10 ^s KODIAK ISLAND (Chart 8556) MARMOT STRAIT	61 13.1 149 50.9				Maintained by Federal Aviation Agency.
3432 184	TONKI CAPE LIGHT Fl. W., 4 ^s	On north point of cape, east end of Afognak Island, west side of Marmot Strait. 58 21.2 151 59.1	7 400	14	Red and white checkered diamond daymark on small house. 75	1917
3433	PROKODA ISLAND LIGHT Fl. W., 4 ^s Uzinki Narrows Daybeacon	On southwest point of island. 57 54.7 152 30.2 On rock awash near Prokoda Islet			Red and white checkered diamond daymark on small house. 40 Red and white checkered square daymark on pipe.	Obscured from 148° to 274°. 1923
	Low Island Reef Buoy 1.....	In 29 feet, off end of reef northeast of Low Island.			Black can.....	White reflector.
	Three Brothers Reef Buoy 2.....	In 30 feet, on south side of 2½ fathom shoal, south of reef.			Red nun.....	Red reflector.
3434	THREE BROTHERS REEF LIGHT. Fl. W., 4 ^s WHALE PASSAGE	On southwesternmost rock of reef. 57 55.5 152 33.1	5 100	11	Red and white checkered diamond daymark on skeleton tower on concrete pier. 32	1930-1951
3435	ILKOGNAK ROCK LIGHT Fl. W., 4 ^s Yuzhni Point Buoy 2..... — Daybeacon	South of Whale Island 57 54.9 152 46.8 In 60 feet, marks edge of channel off point. On north side of passage.	5 150	9	White square daymark on skele- ton tower. 18 Red nun..... Red triangular daymark on pipe..	Green reflector. 1936 - 1965 Red reflector. Red reflector.
	Koniuji Island Buoy 1..... (For Kupreanof Strait, see No. 3485)	In 48 feet			Black can.....	White reflector.
	KODIAK HARBOR (Chart 8545)					
3436 185	Williams Reef Lighted Whistle Buoy 1 Fl. W., 10 ^s (1 ^s fl)	In 162 feet, 0.9 mile 052° from Williams Reef.	130		Black.....	
3437	Kodiak North Entrance Lighted Whistle Buoy 3. Fl. G., 15 ^s (1.5 ^s fl)	In 150 feet 57 50.9 152 13.6			Black.....	
3438	Hutchinson Reef Lighted Whistle Buoy 4. Fl. R., 4 ^s	In 72 feet..... of rock. 57 47.2 152 24.4			Red.....	
3439	HANIN ROCK LIGHT..... Fl. W., 10 ^s (1 ^s fl) Kodiak North Entrance Channel Buoy 5.	On southwest rock.... 57 50.1 152 18.7 In 60 feet	7 300	12	White cylindrical house 43 Black can	1916 Ra ref. White reflector.

¹ Oil well structures exist in Cook Inlet, from Kalgin Island to the mouth of the Beluga River. Exercise special caution. (See page XV).

GEOGRAPHIC NAMES

HL-9006

Name on Survey	Source of Name										
	A	B	C	D	E	F	G	H	K		
	ON CHART NO.	ON PREVIOUS SURVEY NO.	ON U.S. QUADRANGLE MAPS	FROM LOCAL INFORMATION	ON LOCAL MAPS	P.O. GUIDE OR MAP	GRAND McNALLY ATLAS	U.S. LIGHT LIST			
BLACK POINT											1
ENTRANCE POINT											2
KODIAK ISLAND											3
LOW ISLAND											4
MARMOT BAY											5
NARROW STRAIT											6
NEVA COVE											7
OTMELOI POINT											8
OZINKIE											9
OZINKIE POINT											10
PROKODA ISLAND											11
SPRUCE ISLAND											12
THREE BROTHERS REEF											13
											14
											15
											16
											17
											18
											19
											20
											21
											22
											23
											24
											25

PREPARED BY CARTOGRAPHER

Chas. E. Harrington

STAFF GEOGRAPHER (ACTING)

8-13-73

HYDROGRAPHIC SURVEY STATISTICS
HYDROGRAPHIC SURVEY NO. H-9006

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			2			
CAHIERS	1					
VOLUMES		6				
BOXES						

T-SHEET PRINTS (List)

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				1134
POSITIONS CHECKED		1134		
POSITIONS REVISED		99		
DEPTH SOUNDINGS REVISED		187		
DEPTH SOUNDINGS ERRONEOUSLY SPACED		—		
SIGNALS ERRONEOUSLY PLOTTED OR TRANSFERRED		—		
	TIME (MANHOURS)			
TOPOGRAPHIC DETAILS		175		
JUNCTIONS		—		
VERIFICATION OF SOUNDINGS FROM GRAPHIC RECORDS		95		
SPECIAL ADJUSTMENTS		51		
ALL OTHER WORK		117		
TOTALS		438		
PRE-VERIFICATION BY	BEGINNING DATE		ENDING DATE	
VERIFICATION BY <i>Richard P. Lynn</i>	3/16/72		5/29/73	
REVIEW BY	BEGINNING DATE		ENDING DATE	

VERIFIER'S REPORT
HYDROGRAPHIC SURVEY, H - 9006

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>Note: 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 SUPERSEDED.</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>Part IV - VOLUMES</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>Part II - SHORELINE AND SIGNALS</p> <p>4. Source of shoreline signals Remarks Required: -- List all surveys</p> <p>a. Give earliest and latest dates of photographs</p> <p>b. Field inspection date</p> <p>c. Field Edit date</p> <p>d. Reviewed-Unreviewed</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</p> <p>(b) line turns</p> <p>(c) position values of beginning and ending of lines</p> <p>(d) bar check or velocity correctors</p> <p>(e) time recording</p> <p>(f) notes or markings on fathograms</p> <p>(g) was reduction of soundings accurately done?</p> <p>(h) was scanning accurate?</p> <p>(i) were peaks at uneven intervals missed?</p> <p>(j) were stamps completed?</p> <p>(k) references to adjacent features</p>	✓	
<p>5. The transfer of contemporary topographic information was carefully examined and reconciled with the hydrography. Remarks Required: -- Discuss remaining differences.</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>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>Part V - PROTRACTING</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>Part III - JUNCTIONS</p> <p>Note: 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>14. The protracting and plotting of all unsatisfactory crossings were verified. 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>	✓		<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>	✓	

Part V - PROTRACTING (Continued)	CL	R	Part VIII - AIDS TO NAVIGATION	CL	R
16. The protracting was satisfactory except as follows: 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. Remarks Required: -- Date of check, type of protractor and number.	/		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: 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; 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.	/		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. 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	/		33. The bottom characteristics are adequately shown. Remarks Required: -- None	/	
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.	/		Part XI - NOTES TO THE REVIEWER		
Verified by <i>Richard D. Lynn</i>			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.		/
Date <i>5/29/73</i>					

VERIFIER'S REPORT

PF-10-2-68

PMC/SP-1-68

H-9006

Recommend deletion of sunken rock symbol on T-11714 at Lat 57°55'34" Long 152°30'12" as there was no indication of its existence on the fathogram between positions 79-80 which went directly over the area.

Retain the sunken rock symbol on T-11714 Lat 57°54'14" Long 152°28'38" which states "covers 2 ft at MLLW". This was not fully developed by the field. Shoalest sounding in the area is 2⁹ fms 50 meters to the S.E.

An enlargement of the piers in Ouzinkie Harbor was put on the smooth sheet on a scale of 1:2,500 using the data given in Volume 6 pgs 7-11. This was done by hand using given measurements and a few of the strong fixes. Most were weak or swingers.

The Tide Station location given in the descriptive report is the only location available. The exact location is not known as the station was not plotted on either boatsheet. This verifier has plotted the station on the smooth sheet as close as possible to the location on the Tidal Sheet.

The reviewer should be aware of the remark in paragraph M. AIDS TO NAVIGATION in the descriptive report. This verifier agrees that the buoys should be relocated N.E. of their present locations in order to better define the limits between the two (2) shoals.

In many instances the ledge symbols have not been transferred from T-11714 as they conflict with the zero curve on the smooth sheet. Photos not available.

Every other grid on the smooth sheet is off by approximately .02 m. in longitude, on the 30" ticks of latitude. Found to have been due to a loose clutch in the digital plotter which has since been repaired.

Respectfully submitted,

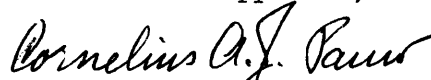


Richard D. Lynn
Cartographic Technician

APPROVAL SHEET


The smooth sheet has been inspected, is complete, and meets the requirements of the General Instructions for automated surveys and the Hydrographic Manual. (Note: All exceptions are listed in the Verifier's Report)

Examined and approved,

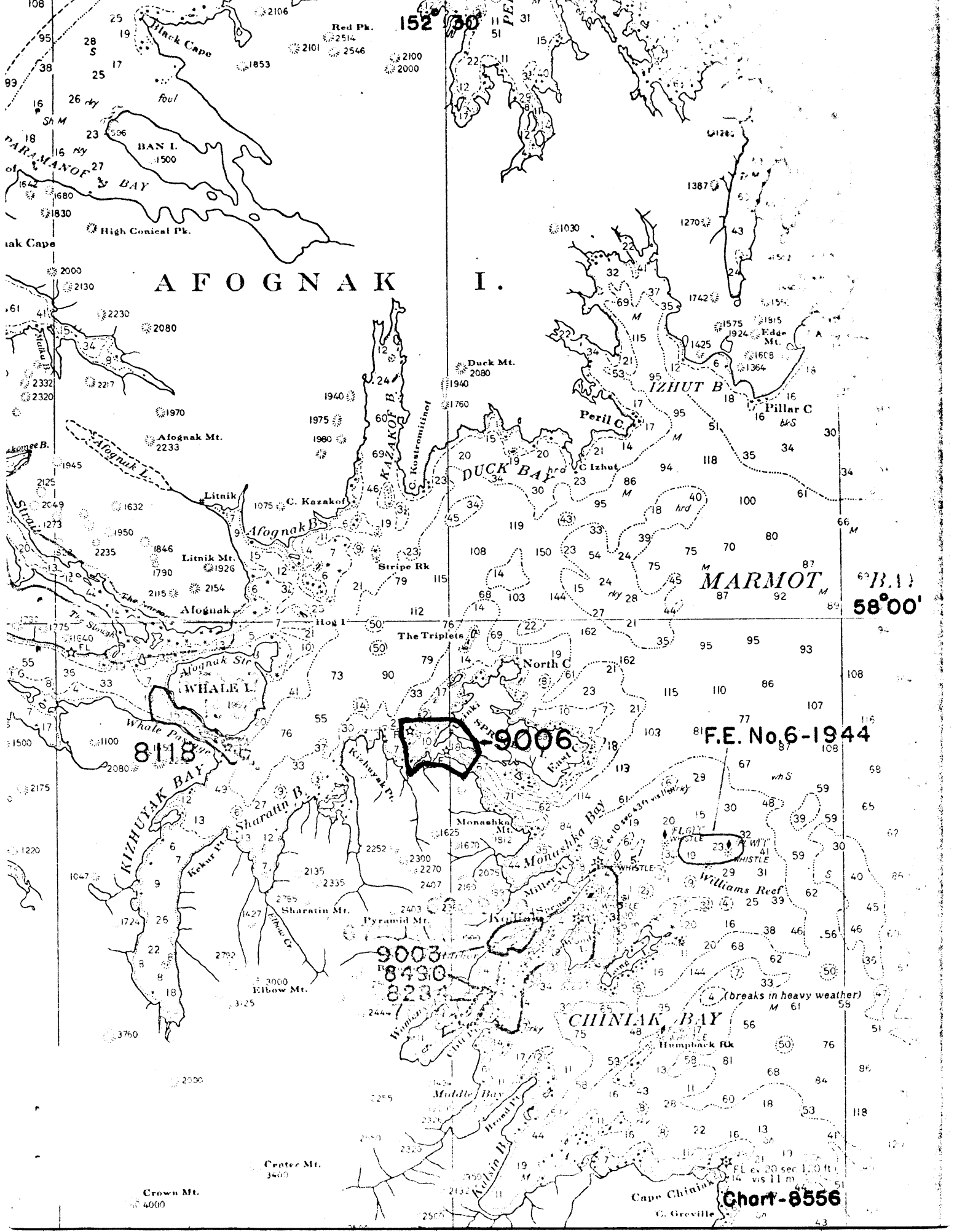


Cornelius A. J. Pauw
Supervisory Cartographic Tech.

Approved and forwarded,



Walter F. Forster, LCDR, NOAA
Chief, Processing Division
Pacific Marine Center



AFOGNAK I.

MARMOT BAY
58°00'

F.E. No 6-1944

9006

Chart-8556

Crown Mt.
4000

Center Mt.
3500

9003

8430

823

9000

FLIGHT

WHISTLE

WHISTLE

WHISTLE

WHISTLE

WHISTLE

WHISTLE

WHISTLE

WHISTLE

WHISTLE

WHISTLE

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WHISTLE

WHISTLE

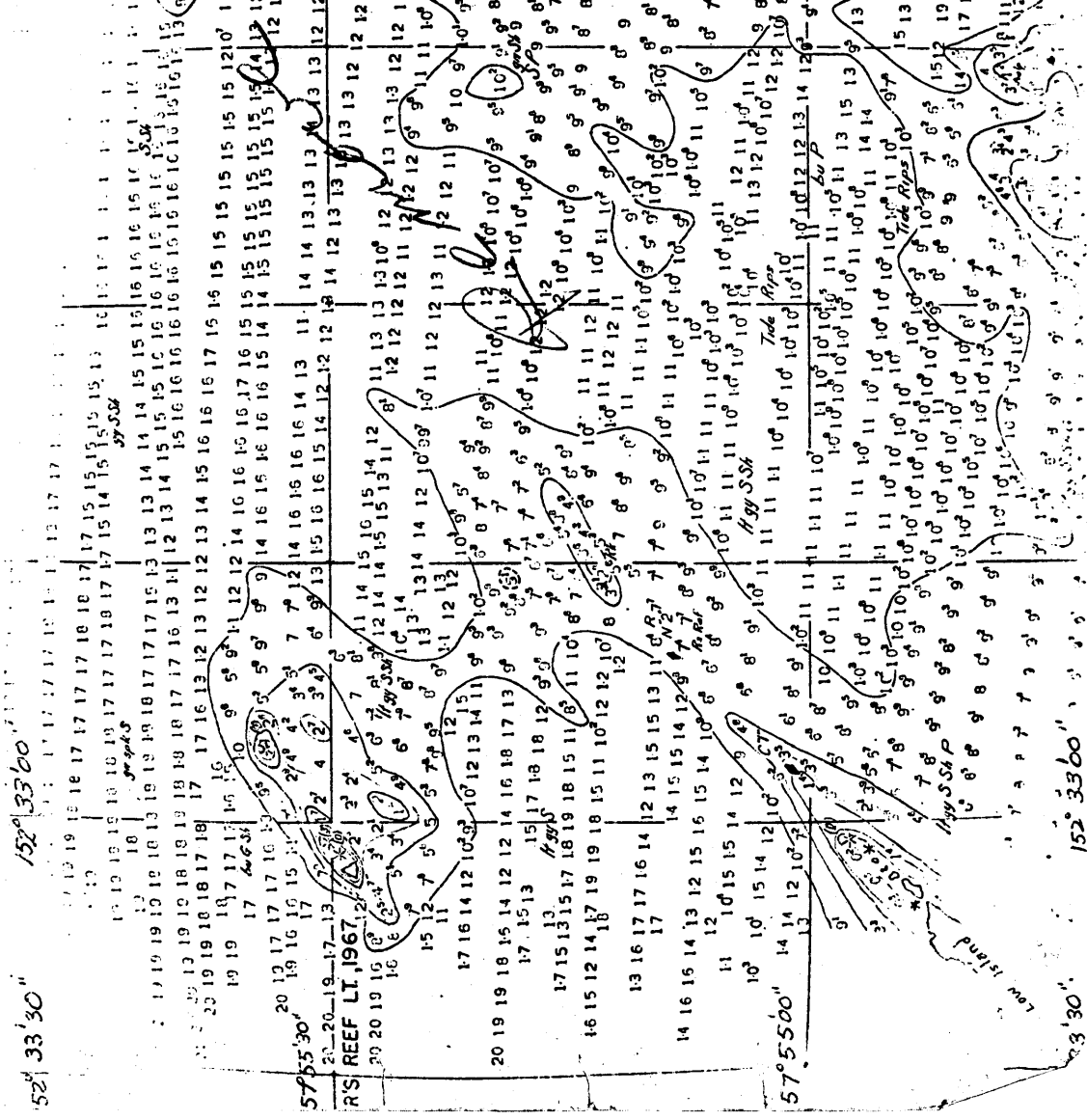
WHISTLE

WHISTLE

(breaks in heavy weather)

FL ex 20 sec 1.0 ft
vis 1 m

H-9006
(PF-10-2-68)



52° 33' 30"

152° 33' 00"

52° 33' 30"

152° 33' 00"

012

57° 55' 30"

57° 55' 00"

R.S. REEF LT. 1967

20-20-19-17-13

20-20-19-16-15-14-13-12-11-10-9-8-7-6-5-4-3-2-1

20-19-18-17-16-15-14-13-12-11-10-9-8-7-6-5-4-3-2-1

20-18-17-16-15-14-13-12-11-10-9-8-7-6-5-4-3-2-1

20-17-16-15-14-13-12-11-10-9-8-7-6-5-4-3-2-1

20-16-15-14-13-12-11-10-9-8-7-6-5-4-3-2-1

20-15-14-13-12-11-10-9-8-7-6-5-4-3-2-1

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20-11-10-9-8-7-6-5-4-3-2-1

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