Form 504
Rev. April 1935

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Topographic / *Hydrographic* } *Sheet No.* H-6698

State ~~Alaska~~ Aleutian Islands

LOCALITY

Amukta ~~and Chagulak Islands~~ Pass,
Offshore Amukta and Chagulak Is.
~~Aleutian Islands.~~

19 41

CHIEF OF PARTY

F.B.T.Siems, ~~EXPLORER~~

U. S. GOVERNMENT PRINTING OFFICE 102221

6698

Form 537
Ed. Dec. 1930

REG. NO.

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.

Field No. 4041

REGISTER NO. H-6688 Confidential

State ~~Alaska~~ Aleutian Islands

General locality ~~Aleutian Islands~~ Amukt. Rs.

Locality Offshore Amukta and Chagulak Islands

Scale 1 : 40,000 Date of survey June-July, 1941

Vessel U.S.C. & G.S.S. EXPLORER

Chief of Party F.B.T.Siems

Surveyed by F.B.T.Siems

Protracted by R.H.Woodcock

Soundings penciled by R.H.Woodcock

Soundings in fathoms ~~feet~~

Plane of reference Mean Lower Low Water

Subdivision of wire dragged areas by

Inked by C E Dennis 3/24/42

Verified by " " "

Instructions dated Feb.3,1938 and others, 19

Remarks: Smooth sheet and plotting by Seattle Processing Office

U. S. GOVERNMENT PRINTING OFFICE

DESCRIPTIVE REPORT TO ACCOMPANY

HYDROGRAPHIC SHEET 4041 H-6698(1941)

U.S.C. & G.S.S. EXPLORER F. B. T. Siems, Comdg.

This survey was executed under authority contained in the Director's instructions dated 3 April, 1940 and others.

The survey embraces the area surrounding Chagulak and Amukta Islands not included in Sheet 2041, H-6695(1941) extending from Latitude 52-21' to 52-39' and from Longitude 171-00' to 171-25', the limits being roughly five miles offshore from the islands. The outer limits of this survey form the inner limits of the survey shown on Sheet 8041. H-6700 Not registered

Standard hydrographic methods and surveying were employed throughout the survey. Horizontal control was established by a triangulation and topographic survey. Positions were determined by 3-point fixes on the shore objects. Vertical control was established through a tide gage installed on the northeast side of Amukta Island. All soundings were taken by the Dorsey III Fathometer, the depths ranging from 25 to a little over 300 fathoms. Vertical Casts at frequent intervals were taken to obtain data of temperature and salinity of the sea water for the correction of echo soundings as well as to check the operations of the Fathometer and collect bottom samples.

Such discrepancies as were discovered during the course of the survey have been investigated and appropriate notes or corrections made in the record books.

There are no dangers in the waters covered by this survey. However, currents are strong and erratic in their nature--the flood is to the north, and the ebb to the south. Heavy tide rips and swirls are encountered frequently on the area, some giving the impression of shoal water which has been proven as free from all dangers.

Some features of Yunaska Pass, surveyed in 1940, have been further developed and delineated. The Channel is wide and free from all dangers. The part of Amukta Pass developed in this survey shows it also free from dangers.

There are no anchorages developed on this sheet, the survey being an offshore survey.

There have been no previous comprehensive surveys in this area. The few soundings shown on the existing charts are generally out of position two or three miles in distance and in a southwesterly direction.

No soundings appear in this area on the chart.

Such Geographic names as appear on present charts have been retained.

Statistics:

Statute miles of sounding lines,	766.8
Number of soundings,	6725 6925
Number of positions,	1384
Area in square statute miles,	285.0

Respectfully submitted,

Clarence A. Burmister,
Jr. H. & G. Engr.

Approved and forwarded,

F. B. T. Siems,
Chief of Party, C. & G. S.

ADDITIONAL NOTES BY SEATTLE PROCESSING OFFICE

FIELD NO. 4041- REG.NO. H-6698 Confidential

EXPLORER 1941

AMUKTA AND CHAGULAK ISLAND.

****

As stated in the report of the EXPLORER, this sheet is an off shore sheet with no dangers and presented no difficulties or delay in plotting.

Junctions with the 20,000 inshore sheet and the 80,000 offshore sheet are adequate as determined from the boat sheets.

A few crossings which disagreed by from 4 to 12 fathoms were encountered but due to the irregular bottom such differences are not unexpected. Table of such crossings is appended.

This is the first sheet to be sent in since the Director's letter of Jan.2,1942 directing the immediate processing of the 1941 EXPLORER surveys.Although all the sheets were started together, this , being the smallest and least complicated, was finished first and is being forwarded at once.

All signals were located as shown on revised list of signals in the 1st. volume. Some signals were obtained from cuts on other sheets as indicated on list. The availability of all the smooth sheets at one time gave a good opportunity to determine the best positions for all signals on all sheets. All signals on all these Aleutian sheets have been located from all available data on all the sheets.

Philip C. Doran.

Philip C. Doran,
Officer in Charge,
Seattle Processing Office

Feb. 25, 1942.

H-6698 (4041) EXPLORER

POOR CROSSINGS

52-21.9 171-14.5	78 R + 7 13 S +1	195 fms. 200 fms.	
52-22.7 171-19.0	54R + 2 2 R	132 fms. 120 fms.	The 120 looks about 10 fms. too shoal.
52-24.2 171-11.5	84 J +5 28 A +3	100 fms. 106 fms.	steep slope
52-25.4 171-11.5	100 J + 2,3 3 S + 3	50 & 52 fms. 54 fms.	The 54 fm. seems a little deep for that area.
52-32.75 171-20.2	149 S 18 P + 1	87 fms. 81 fms.	The 87 fms. falls inside the 81 fms. Pos. plotted incorrectly. Crossing ok.
52-33.2 171-23.6	140 S + 3 22 U + 2	209 fms. 203 fms.	
52-33.7 171-23.6	130 S + 3,4 23 U	226-231 fms. 214-218 fms.	Crossing valley. May be unrecorded deeper soundings in wide space between 214-218

REVISED LIST OF SIGNALS FOR
H-6698

TRIANGULATION

Nord 1940
Chagulak 1940
Muka 1941
Totem 1940
Bold 1939
Amp 1941
Amukta 1940
Box 1940
Chagulak Peak 1940
South Rock 1941
Try 1941
Spike 1941
Sum 1941
Knob 1939
North Amukta Peak 1940
South " " "

T-6861
TOPO SHEET "A" EXPLORER 1941

Sub	Brace	Gon	Off	Half
Gull	Max	Twin (Babe)	Big	Rug
Boat	White	Ake	Brit	Ink
Nac	Nog (Wag)	Dos	High	In
	Should	Near	Ash	

T-6862
TOPO SHEET "B" EXPLORER 1941

Double	Line	Ulm	Zip	Moon
Stack	Hum	Nip	Pat	Square
Hat	Ox	Red	EX	Her
Rock	Sun	Seal	[illegible]	Cox
Doll	Tab	Ina	Nub	

TOPO SHEET T-6752 E.LESTER JONES 1940

Ski

HYDRO SIGNALS

Hill (See triangulation data accompanying descriptive report.)

Drop (Plotted on tracing of topo sheet T-6752 (1940) from three cuts)
(on page 45 of volume 6 of sheet H-6700) Not registered

Scar (Plotted on H-6698 (1941) from 3 cuts in Vol 3, of sheet H-6700,
page 26.)

Bump (Plotted on tracing of topo sheet T-6751 (1940) from 2 cuts on
pages 4 & 5 of Vol 1,Location of R.A.R. Buoys, of sheet H6700)

TIDAL NOTE
U.S.C. & G.S.S. Explorer
Aleutian Islands--1941

H-6698 Confidential

Dutch Harbor Standard Gage
Lat 53° 53.5'
Long 166° 32.2'
M. L.L.W.on the staff equals 4.2 feet
Note--Highest and lowest tides may be found on consulting the records on file in the Division of Tides & Currents, Washington, D. C.

Yunaska Id., Cabin Cove. Portable Gage.
Lat 52° 40.9'
Long 170° 42.5'
M.L.L.W. on the staff equals 1.5 feet.
Highest tide observed June 11th equals 6.1 feet.
Lowest tide observed June 9th equals -0.2 feet.
Comparrison with Dutch Harbor Standard Gage
Range factor equals 1.0
Time factor equals -1 hour.

Amukta Id. Portable Gage.
Lat 52° 30.8'
Long 171° 13.8'
M.L.L.W. on the staff equals 3.2 feet.
Highest tide observed July 6 equals 7.6 feet
Lowest tide observed June 8, July 6,7,&8 equals 2.0 feet.
Comparrison with Dutch Harbor Standard Gage.
Range factor equals 1.0
Time factor equals -1 3/4 hours.

Seguam Id., Finch Cove. Portable Gage.
Lat 52° 23.4'
Long 172° 24.0'
M.L.L.W. on staff equals 4.8 feet.
Highest tide observed July 9 equals 6.8 feet.
Lowest tide observed August 3 & 5 equals 3.5 feet.
Comparrison with Standard Gage Dutch Harbor.
Time factor -1½ hours for high water, plus ½ hour for low water.
Range factor equals 1.0

Topo only

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 25
Ed. Jan., 1929

COMPUTATION OF TRIANGLES

State: _____

11—9121

NO.	STATION	OBSERVED ANGLE	CORR'N	SPHER'L ANGLE	SPHER'L EXCESS	PLANE ANGLE AND DISTANCE	LOGARITHM
	2-3						4.509 120 ✓
	1 933 Hill	(120 59 5⅜) ✓			-1	53	0.066 926
	2 Totem	09 57 45 ✓			0	45	9.238 055
	3 Pond	49 02 22. ✓			0	22	9.878 040
	1-3	178 118 120					3.814 101
	1-2						4.454 086
	2-3						
	1 ∠ - Pond to Turn =	196 11	38.5 ✓	∠ Totem to Chagvlak =			213 25 53.6 ✓
	2 ∠ at Pond Turn - 933 =	182 27	45 ✓	∠ at Totem, Chag to 933			43 52 40 ✓
	3 ∠ - Pond To 933 Hill =	378 39	23.5 ✓	∠ Totem to 933 Hill			257 18 33.6 ✓
	1-3 ∠ Pond to Totem	67 41	45.5 ✓	∠ Totem to Pond.			247 20 48.3 ✓
	1-2 ∠ at Pond - 933 Hill to Totem	49 02	22 ✓				09 57 45.3 ✓
	2-3						complete.
	1						
	2						
	3						
	1-3						
	1-2						
	2-3						
	1						
	2						
	3						
	1-3						
	1-2						

Do not write in this margin

Topo only

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 27
Ed. April, 1929

POSITION COMPUTATION, THIRD-ORDER TRIANGULATION

			°	′	″				°	′	″
α	2 to 3		247	20	48	α	3 to 2		67	41	46
2d ∠	&		+ 09	57	45	3d ∠	&		− 49	02	22
α	2 to 1		257	18	33	α	3 to 1		18	39	24
Δα				19	29	Δα				01	28
			180	00	00.0				180	00	00.0
α′	1 to 2		77	38	02	α′	1 to 3		198	37	56
	FIRST ANGLE OF TRIANGLE		120	59	54						

	°	′	″			°	′	″			°	′	″
φ	52	29	44.38	2- Totem.	λ	171	11	57.31	φ	52	36	23.83	3 Pond.	λ	176	45	33.66
Δφ		03	19.66		Δλ		24	33.00	Δφ		03	19.79		Δλ		01	50.65
φ′	52	33	04.04	1 933 Hill	λ′	170	47	24.31	φ′	52	33	04.04	1 933 Hill	λ′	170	47	24.31

	Logarithms	Values in seconds (1729.8) 124.9		°	′	″	Logarithms	Values in seconds (672.5) 458.1
s	4.454 086			½(φ+φ′)	52	31	24	
Cos α	9.341 811			s			4.454 086	
B	8.509 895			Sin α			9.989 258	
h	2.305 792	1st term	−202.205	A′			8.508 798	
s²	8.908 17			Sec φ′			0.216 058	
Sin²α	9.978 51			Δλ			3.168 208	1472.997
C	1.518 18			Sin ½(φ+φ′)			9.899 602	
	0.404 86	2d term	+ 2.540	−Δα			3.067 802	1169.0
h²	4.611 5		+ 004					
D	2.378 0			fns: −14				
	6.989 5	3d term	+ 0.001	Δd +36				
		−Δφ	199.660	+2				

	Logarithms	Values in seconds		°	′	″	Logarithms	Values in seconds
s	3.814 101			½(φ+φ′)	52	31	24	
Cos α	9.976 557			s			3.814 101	
B	8.509 887			Sin α			9.505 010	
h	2.300 545	1st term	+199.777	A′			8.508 798	
s²	7.628 20			Sec φ′			0.216 058	
Sin²α	9.010 02			Δλ			2.043 967	110.654
C	1.519 92			Sin ½(φ+φ′)			9.899 602	
	8.158 14	2d term	+ 0.014	−Δα			1.943 569	+ 87.8
h²	4.6011							
D	2.377 5			fns: −0.7				
	6.9786	3d term	+0.001	Δd:				
		−Δφ	+199.792					

11—9362 U. S. GOVERNMENT PRINTING OFFICE: 1935

- 6.395 3n
2.305 8
8.886 7
7.587 8

6.398 2
2.300 5
6.638 2
5.336 9 −

cap Rock.

80,000 shear

(448.05) ✓

d = 52 30 711.1 ✓

(366.7) ✓

d = 170 45 339.9 ✓

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 662
Rev. April, 1931

INVERSE POSITION COMPUTATION

$$s_1 \sin\left(\alpha+\frac{\Delta\alpha}{2}\right)=\frac{\Delta\lambda_1 \cos\phi_m}{A_m}$$

$$s_1 \cos\left(\alpha+\frac{\Delta\alpha}{2}\right)=\frac{-\Delta\phi_1 \cos\frac{\Delta\lambda}{2}}{B_m}$$

$$-\Delta\alpha=\Delta\lambda \sin\phi_m \sec\frac{\Delta\phi}{2}+F(\Delta\lambda)^3$$

in which $\log \Delta\lambda_1 = \log(\lambda'-\lambda)$ − correction for arc to sin*; $\log \Delta\phi_1 = \log(\phi'-\phi)$ − correction for arc to sin*; and $\log s = \log s_1$ + correction for arc to sin*.

NAME OF STATION

1. ϕ	52°	36′	23.83″ ×	Pond	λ	170°	45′	33.66″ ✓
2. ϕ'	52	29	44.38″ ✓	Totem	λ'	171	11	57.31″ ✓
$\Delta\phi$ $(=\phi'-\phi)$		−06	39.45″ ×		$\Delta\lambda$ $(=\lambda'-\lambda)$		26	23.65″ ✓
$\frac{\Delta\phi}{2}$		03	19.7		$\frac{\Delta\lambda}{2}$		13	11.8
$\phi_m\left(=\phi+\frac{\Delta\phi}{2}\right)$	52	33	04.1 ✓					
$\Delta\phi$ (secs.)			−3999.45″ ✓		$\Delta\lambda$ (secs.)			1583.65″ ✓

log $\Delta\phi$	2.601 462 n			**log** $\Delta\lambda$	3.199 659 p	
cor. arc−sin	−			cor. arc−sin	− 1	
log $\Delta\phi_1$	2.601 462			log $\Delta\lambda_1$	3.199 658	
log cos $\frac{\Delta\lambda}{2}$	9.999 997			**log cos** ϕ_m	9.783 942	
colog B_m	1.490 109			**colog** A_m	1.491 202	
log $\left\{s_1 \cos\left(\alpha+\frac{\Delta\alpha}{2}\right)\right\}$	4.091 568 (p)	(opposite in sign to $\Delta\phi$)		**log** $\left\{s_1 \sin\left(\alpha+\frac{\Delta\alpha}{2}\right)\right\}$	4.474 802	
				log $\left\{s_1 \cos\left(\alpha+\frac{\Delta\alpha}{2}\right)\right\}$	4.091 568	p
log $\Delta\lambda$	3.199 659	3 log $\Delta\lambda$		**log tan** $\left(\alpha+\frac{\Delta\alpha}{2}\right)$	10.383 234	p
log sin ϕ_m	9.899 764	log F		$\alpha+\frac{\Delta\alpha}{2}$	67° 31′ 16.9″	
log sec $\frac{\Delta\phi}{2}$		log b		**log sin** $\left(\alpha+\frac{\Delta\alpha}{2}\right)$	9.965 682	
log a	3.099 423 p			**log cos** $\left(\alpha+\frac{\Delta\alpha}{2}\right)$	9.582 448	
a				**log** s_1	4.509 120	
b				cor. arc−sin	+ −	
$-\Delta\alpha$ **(secs.)**	+1257.2″			log s		
$-\frac{\Delta\alpha}{2}$	628.6″					
	+ 0° 10′ 28.6″					
$\alpha+\frac{\Delta\alpha}{2}$	67 31 16.9					
α (1 to 2)	67 41 45.5					
$\Delta\alpha$	− 20 57.2					
	180					
α′ (2 to 1)	247 20 48 3					

* Use the table on the back of this form for correction of arc to sin.

comp RWK

NOTE.—For log s up to 4.52 and for $\Delta\phi$ or $\Delta\lambda$ (or both) up to 10′, omit all terms below the heavy line except those printed (in whole or in part) in heavy type or those underscored, if using logarithms to 6 decimal places. 11—9810

U. S. GOVERNMENT PRINTING OFFICE: 1931

Table of arc-sin corrections for inverse position computations

log s_1	Arc-sin correction in units of seventh decimal of logarithms	log $\Delta\phi$ or log $\Delta\lambda$	log s_1	Arc-sin correction in units of seventh decimal of logarithms	log $\Delta\phi$ or log $\Delta\lambda$	log s_1	Arc-sin correction in units of seventh decimal of logarithms	log $\Delta\phi$ or log $\Delta\lambda$
4. 177	1	2. 686	5. 223	124	3. 732	5. 525	497	4. 034
4. 327	2	2. 836	5. 234	130	3. 743	5. 530	508	4. 039
4. 415	3	2. 924	5. 243	136	3. 752	5. 534	519	4. 043
4. 478	4	2. 987	5. 253	142	3. 762	5. 539	530	4. 048
4. 526	5	3. 035	5. 260	147	3. 769	5. 543	541	4. 052
4. 566	6	3. 075	5. 269	153	3. 778	5. 548	553	4. 057
4. 599	7	3. 108	5. 279	160	3. 788	5. 553	565	4. 062
4. 628	8	3. 137	5. 287	166	3. 796	5. 557	577	4. 066
4. 654	9	3. 163	5. 294	172	3. 803	5. 561	588	4. 070
4. 677	10	3. 186	5. 303	179	3. 812	5. 566	600	4. 075
4. 697	11	3. 206	5. 311	186	3. 820	5. 570	613	4. 079
4. 716	12	3. 225	5. 318	192	3. 827	5. 575	625	4. 084
4. 734	13	3. 243	5. 326	199	3. 835	5. 579	637	4. 088
4. 750	14	3. 259	5. 334	206	3. 843	5. 583	650	4. 092
4. 765	15	3. 274	5. 341	213	3. 850	5. 587	663	4. 096
4. 779	16	3. 288	5. 349	221	3. 858	5. 591	674	4. 100
4. 792	17	3. 301	5. 356	228	3. 865	5. 595	687	4. 104
4. 804	18	3. 313	5. 363	236	3. 872	5. 600	702	4. 109
4. 827	20	3. 336	5. 369	243	3. 878	5. 604	716	4. 113
4. 857	23	3. 366	5. 376	251	3. 885	5. 608	729	4. 117
4. 876	25	3. 385	5. 383	259	3. 892	5. 612	743	4. 121
4. 892	27	3. 401	5. 390	267	3. 899	5. 616	757	4. 125
4. 915	30	3. 424	5. 396	275	3. 905	5. 620	771	4. 129
4. 936	33	3. 445	5. 403	284	3. 912	5. 624	785	4. 133
4. 955	36	3. 464	5. 409	292	3. 918	5. 628	800	4. 137
4. 972	39	3. 481	5. 415	300	3. 924	5. 632	814	4. 141
4. 988	42	3. 497	5. 422	309	3. 931	5. 636	829	4. 145
5. 003	45	3. 512	5. 428	318	3. 937	5. 640	845	4. 149
5. 017	48	3. 526	5. 434	327	3. 943	5. 644	861	4. 153
5. 035	52	3. 544	5. 440	336	3. 949	5. 648	877	4. 157
5. 051	56	3. 560	5. 446	345	3. 955	5. 652	893	4. 161
5. 062	59	3. 571	5. 451	354	3. 960	5. 656	909	4. 165
5. 076	63	3. 585	5. 457	364	3. 966	5. 660	925	4. 169
5. 090	67	3. 599	5. 462	373	3. 971	5. 663	941	4. 172
5. 102	71	3. 611	5. 468	383	3. 977	5. 667	957	4. 176
5. 114	75	3. 623	5. 473	392	3. 982	5. 671	973	4. 180
5. 128	80	3. 637	5. 479	402	3. 988	5. 674	989	4. 183
5. 139	84	3. 648	5. 484	412	3. 993	5. 678	1005	4. 187
5. 151	89	3. 660	5. 489	422	3. 998			
5. 163	94	3. 672	5. 495	433	4. 004			
5. 172	98	3. 681	5. 500	443	4. 009			
5. 183	103	3. 692	5. 505	453	4. 014			
5. 193	108	3. 702	5. 510	464	4. 019			
5. 205	114	3. 714	5. 515	474	4. 024			
5. 214	119	3. 723	5. 520	486	4. 029			

R.A.C.
7/12

Form 712
DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
Rev. June 1937

TIDE NOTE FOR HYDROGRAPHIC SHEET

March 11, 1942.

~~Division of Hydrography and Topography~~:

Division of Charts: Attention: Mr. H. R. Edmonston.

Plane of reference approved in
5 volumes of sounding records for

HYDROGRAPHIC SHEET 6698

Locality Offshore Amukta and Chagulak Islands, Amukta Pass, Aleutian Islands.

Chief of Party: F. B. T. Siems in 1941
Plane of reference is mean lower low water reading
4.2ft. on tide staff at Dutch Harbor
12.5ft. below B. M. 1
3.2 ft. on tide staff at Amukta Island
9.6 ft. below B. M. 1

Height of mean high water above plane of reference is 3.2 feet

Condition of records satisfactory except as noted below:

Chief, Division of Tides and Currents.

U. S. GOVERNMENT PRINTING OFFICE 154327

GEOGRAPHIC NAMES

Survey No. H6698

[redacted]

Name on Survey	A On chart	B No. on previous survey	C No. on U.S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
Amukta Island										1
Chagulak Island										2
Chagulak Pass										3
Yunaska Island										4
										5
										6
Dutch Harbor										7
										8
										9
										10
										11
										12
										13
										14
										15
										16
										17
										18
										19
										20
										21
										22
										23
										24
										25
										26
										27

Names underlined in red approved by L Heck on 4/13/42

M 234

	Remarks	Decisions
1		525 710 U.S.G.B
2		" "
3	Pending with U.S.G.B: OK to ink	"
4		525 705 U.S.G.B
5	Name pending with is U.S.G.B for 150' reef, Stratton Gull, east of Chagulak I.	525710
6		
7	Location of tide staff, Unalaska I.	U.S.G.B
8		
9		
10		
11		
12		
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14		
15		
16		
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21		
22		
23		
24		
25		
26		
27		

M 234

Surveys Section (Chart Division)

HYDROGRAPHIC SURVEY NO. H6693 Confidential

Records accompanying survey:

Boat sheets one..; sounding vols. (5)..; wire drag vols. ....;

bomb vols. .....; graphic recorder rolls .....;

special reports, etc. .one Fathometer Report.....

.....

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

Number of positions on sheet		1384.
Number of positions checked		33.
Number of positions revised		1
Number of soundings recorded		6925.
Number of soundings revised (refers to depth only)		4
Number of soundings erroneously spaced		0
Number of signals erroneously plotted or transferred		0
Topographic details	Time	1 hr.
Junctions	Time	0
Verification of soundings from graphic record	Time	0

Verification by C.E. Dennis Total time .39 hr Date 3/24/42.

Review by R.H. Carstens Time .22 hr Date 4/3/42.

FORM M-238

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
~~PHOTOSTAT OF~~

No. H H6693
Confidential
~~No. Tx~~

received March 5, 1942
registered March 7, 1942
verified
reviewed
approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE		Initial	Attention called to
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RETURN TO

82	R. W. Knox

RWK

DIVISION OF CHARTS

SURVEYS SECTION

REVIEW OF HYDROGRAPHIC SURVEY

REGISTER NO. 6698
FIELD NO. 4041

Aleutian Islands, Amukta Pass,
Offshore Amukta and Chagulak Islands
Surveyed in June-July 1941, Scale 1:40,000
Instructions dated Feb. 3, 1938; May 8, 1940, April 3, 1941

Soundings: Dorsey III Fathometer

Control: Visual Fixes on Shore Signals

Chief of Party - F. B. T. Siems
Surveyed by - F. B. T. Siems and Officers on EXPLORER
Protracted by - R. H. Woodcock
Soundings plotted by - R. H. Woodcock
Verified and inked by - C. E. Dennis
Reviewed by - R. H. Carstens, April 3, 1942
Inspected by - H. R. Edmonston

1. Shoreline and Signals

Given in descriptive report.

2. Sounding Line Crossings

Sounding line crossings are satisfactory. A few minor discrepancies are listed in the descriptive report.

3. Depth Curves

Satisfactory.

4. Junctions with Contemporary Surveys

The junctions with H-6695 (1941), H-6700 and H-6568 (1940) will be considered in the reviews of those sheets.

5. Comparison with Prior Surveys

No prior surveys have been made of the area by this Bureau.

6. Comparison with Chart 8802 (New Print date 1-29-42)

No soundings are charted in the area covered by this survey.

No aids to navigation are maintained in the area covered by this survey.

7. Condition of Survey

Satisfactory.

8. Compliance with Instructions for the Project

Satisfactory.

9. Additional Field Work Recommended

None.

10. Superseded Surveys

None.

Examined and approved:

Robert W. Knox
Chief, Surveys Section

J. S. Dorsam
Chief, Division of Charts

Acting Fred. L. Peacock
Chief, Section of Hydrography

G. Rude
Chief, Division of Coastal Surveys

applied to chart 8802 July 29, 1942 J.H.S.

Applied to Chart 8862 (after review) Aug 21, 1942 - J.F.W.
Examined for chart 9102, after review, Apr. 5, 1943 J.M.A.
applied to chart 8861 (after review) Apr. 22, 1944 J.H.S.