

T- 12333

T- 12333

NOAA FORM 76-35	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Type of Survey ..	Shoreline(Photogrammetric).....
Job No. PH-6301.....	Map No. T-12333.....
Classification No. Final	Edition No. ...1.....
Field Edited Map	
LOCALITY	
State	Alaska
General Locality ..	Kamishak Bay
Locality ..	Cook Inlet.....
Locality ..	Augustine Island (East).....
1962 TO 1973	
REGISTRY IN ARCHIVES	
DATE	

DESCRIPTIVE REPORT - DATA RECORD

T-12333

PROJECT NO. (II):

PH-6301

FIELD OFFICE (II):

None

CHIEF OF PARTY

PHOTOGRAMMETRIC OFFICE (III):

Atlantic Marine Center

OFFICER-IN-CHARGE

J. Bull, RADM.

INSTRUCTIONS DATED (II) (III):

March 18, 1965, Office, Part I
Feb. 10, 1966, Office, Supplement I
May 5, 1967, Supplement II
Dec. 27, 1967, Supplement III
April 2, 1968, Supplement IV
April 9, 1968, Supplement V

METHOD OF COMPILATION (III):

Wild B-8

MANUSCRIPT SCALE (III):

1:20,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:15,000 pantographed to 1:20,000

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

R. T. CATOR
JUN 1976

GEOGRAPHIC DATUM (III):

N.A. 1927

VERTICAL DATUM (III):

MEAN ~~SEA LEVEL~~ EXCEPT AS FOLLOWS: Mean high water

Elevations shown as (25) refer to mean high water

Elevations shown as (5) refer to sounding datum

i.e., ~~MEAN LOW WATER~~ mean lower low water

REFERENCE STATION (III):

Kamishak 1946

LAT.:

59°20'46.687" (1444.7M)

LONG.:

153°26'03.322" (52.5M)

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

Y = 953,460.92 ft.

X = 605,600.08 ft.

Alaska

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ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE, OR (IV) WASHINGTON OFFICE.

WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.

DESCRIPTIVE REPORT - DATA RECORD

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FIELD INSPECTION BY (II):		DATE:
None		
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air photo compilation - June 29, 1962 date of photography		
PROJECTION AND GRIDS RULED BY (IV):		DATE
A.E. Roundtree		3/30/67
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
R. Glaser		4/3/67
CONTROL PLOTTED BY (III):		DATE
J. Steinberg		6/1/67
CONTROL CHECKED BY (III):		DATE
V.E. Serena		6/1/67
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):		DATE
R.B. Kelly		5/67
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	A.L. Shands	6/19/67
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III):		DATE
A.L. Shands		6/26/67
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):		DATE
C.H. Bishop		6/27/67
REMARKS: Field Edit: A.P. Vonderohe, July 1971 J.A. Murphy, August 1973		

DESCRIPTIVE REPORT - DATA RECORD

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C. AREA (KIND OR SOURCE) (III):

Wild RC8 "W"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
62W7206 & 7209	6/29/62	1458	1:30,000	7.7 ft. above MLLW
62W7235, 7238, 7240 & 7242	6/29/62	1509	1:30,000	7.3 ft. above MLLW

Predicted TIDE (III)

Diurnal

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: SELDOVIA		15.4	17.8
SUBORDINATE STATION: ILIAMNA		12.3	14.5
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV):

J.B. Phillips

DATE:

May 1976

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

RECOVERED:

IDENTIFIED:

NUMBER OF BM(S) SEARCHED FOR (II):

RECOVERED:

IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

None

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

None

REMARKS:

SUMMARY

T-12333 is one of 40 shoreline maps comprising Job PH-6301 (Part 1) compiled for use in contemporary hydrographic survey and nautical charting operations.

Field work, prior to compilation, consisted of the recovery and identification of horizontal control.

Compilation was by Wild B-8 stereoplotter, using 1:30,000 scale color photography. Cronaflex positives and ozalids of the manuscript were forwarded for the use of the field editor and the preparation of the hydrographer's boat sheets. Accompanying these were specially prepared ratio photographs to aid in the location of hydrographic signals.

Final edit was accomplished during *July 1971 and August 1973*

Final review was accomplished at the Rockville Office in *May 1976*

A cronaflex positive copy of the map and a Descriptive Report will be registered in the NOS Archives.

T-12333

COMPILATION RECORD.

COMPLETION DATE

REMARKS

Compilation complete pending field edit		
Alongshore area for hydro	June 1967	Superseded
Partial field edit applied	Dec. 1972	Superseded
1973 Field edit applied compilation complete	Jan. 1974	

PHOTOGRAMMETRIC PLOT REPORT
JOB PH-6301
AUGUSTINE ISLAND, ALASKA

May 1967

21. Area Covered

Covered in this report is the entire area of Augustine Island, Alaska, which is located in the west-central portion of Cook Inlet. Two T-sheets (T-12332 and T-12333) cover the entire island.

22. Method

Two bridges, with drilled plates, were run on the stereo-planigraphs and adjusted by IBM 1620 methods. Strip #1 (62-W-7206, 7209, 7211, 7213, 7215, 7217 and 7218) was adjusted by the straight line method on two triangulation stations. Checks consisted of companion substations and ties to Strip #2 (62-W-7227, 7230, 7233, 7235, 7238, and 7240) was adjusted on three triangulation stations. Checks consisted of companion substations and ties to Strip #1. All tie points between strips were averaged.

23. Adequacy of Control

Control was not adequate for a complete check of the bridging adjustment; however, it is realized that no other control was available in the area. Control did meet with project instructions. KAMISHAK 1946, SS "B", could not be held in the adjustment. This was due to the poor photo quality and its being a bad image point.

24. Supplemental Data

Local USGS quads were used for rough leveling during bridging operations.

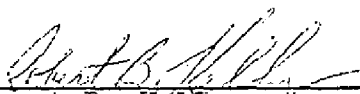
25. Photography

Photography was adequate as to coverage and overlap. The definition in the areas of extreme elevations was very poor.

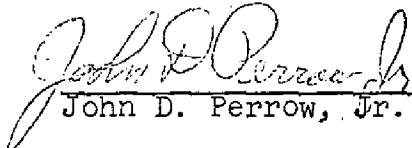
25. Photography, cont.

It is believed that this poor definition was caused by the sudden change in elevation, thereby causing image movement in the areas nearest to the camera.

Submitted by:


Robert B. Kelly

Approved by:

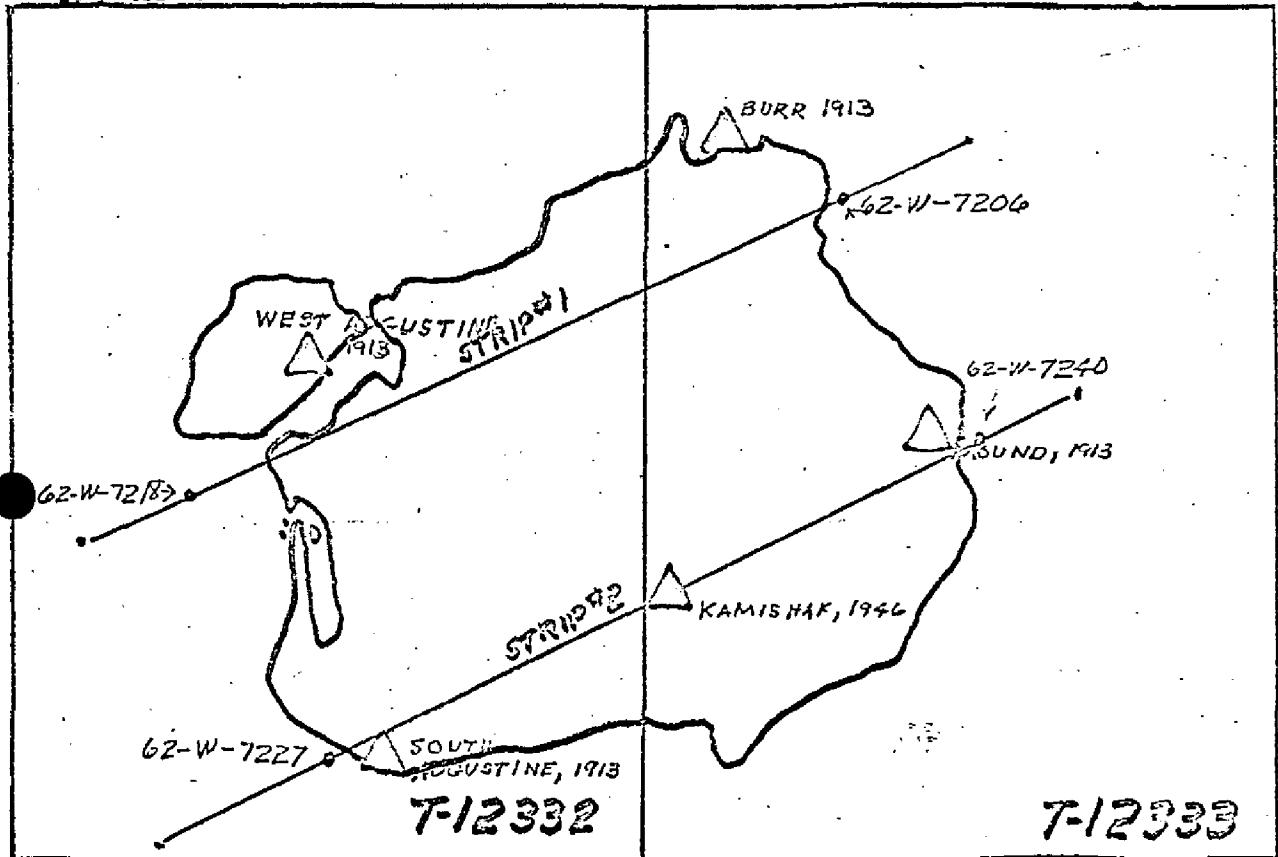

John D. Perrow, Jr.

PH-6301

AUGUSTINE ISLAND,
ALASKA

153° 37' 30"

59° 26' 00"



Compilation Report
Map Manuscript T-12333
Project PH-6301

31. Delineation

Planimetry was compiled by Wild B-8 instrument, using photographs taken at approximately eight feet above mean lower low water.

32. Control

See Photogrammetric Plot Report, Augustine Island, Alaska, dated May 1967, attached to this report.

33. Supplemental Data - None

34. Contours and Drainage

Contours are inapplicable. Perennial streams were delineated a short distance inshore from the mean high water line.

35. Shoreline and Alongshore Details

Shoreline and alongshore details were delineated from office interpretation of the photographs.

36. Offshore Details

An image on the photographs about 1300 meters north-northeast of Burr Point was compiled as a reef with undetermined limits. It is possible that this is a tide rip. The area is called to the field editor's attention on the Field Edit Ozalid.

37. Landmarks and Aids - None

38. Control for Future Surveys - None

39. Junctions

A satisfactory junction has been made with T-12332 on the west. There are no contemporary surveys on the north, east, and south.

40. Horizontal and Vertical Accuracy - No statement

41. Comparison with Old Surveys

A comparison was made with an old survey, No. 3568, Cook Inlet, West Shore, Chinitna Point to Augustine Island, dated August - September 1913, scale 1:80,000. This old survey is entirely inadequate for shoreline comparison purposes.

42 thru 45 Inapplicable.

46. Comparison with Existing Maps

A comparison was made with USGS Quadrangle ILIAMNA (B-2), Alaska, scale 1:63,360, dated 1958.

47. Comparison with Nautical Charts

A comparison was made with C&GS chart 8554, scale 1:200,000, 9th edition, dated May 10, 1965.

Items to be Applied to Nautical Charts Immediately: None

Items to be Carried Forward: None

Submitted by:

Charles H. Bishop
Cartographer
June 1967

Approved:

J. Bull, RADM, Director
Atlantic Marine Center

FIELD EDIT REPORT

SHEET-T-12333

LOWER COOK INLET

(AUGUSTINE ISLAND)

PH-6301

JULY 1971

NOAA SHIP PATHFINDER

CAPT. H.R. LIPPOLD JR., CMDG.

51 Methods

The field edit of this map was done in accordance with photogrammetric instructions and project instructions to the Commanding Officer, NOAA SHIP PATHFINDER, dated 26 March 1971. A gently sloping beach made surf landings in skiffs a necessity when shore inspection was required. Sextant fixes were used to verify and locate objects that could not be seen or positively verified on the photographs.

All deletions, additions, verification and corrections to be applied to the manuscript appear on the field edit ozalid. This ozalid is an index and inventory of all field edit work performed. All features marked in green on the ozalid are to be deleted. Red circles on the ozalid indicate the approximate location of the signals used in the field work. Cross references on the field edit ozalid to the photographs are also a part of the compilation.

52 Adequacy of Compilation

Compilation of the manuscript was adequate and complete for all areas within the boundaries indicated on the field edit ozalid.

54 Recommendations

None

56 Additional Information

Time meridian 135°W was used for all the work on this sheet.

All photogrammetric and ground survey signals used during the project are listed on a sheet attached to the field edit ozalid and are also included in this report. Signals used for field edit fixes are included in the list.

All fixes taken during the field edit are identified by number on the field edit ozalid and also on the mylar prints. A running tabulation of this data is part of this report.

There are thousands of scattered boulders around Augustine Island which are not visible on the photograph. The foul was determined by locating the outermost boulders at low water.

Field edit on this sheet is incomplete. Field edit has been completed for the entire area south of Latitude 59° 22' 30" N.

Alan P. Vonderohe
Alan P. Vonderohe
LTJG, NOAA
Photo Officer

Horizontal Control

Augustine Island

<u>SIGNAL NAME</u>	<u>LATITUDE</u> ° ' meters	<u>LONGITUDE</u> ° ' meters	<u>ORIGIN OF POSITION</u>	
			<u>photo</u>	<u>triangulation station</u>
001	59 19 1226.6	153 25 0398.7	T-12333	
01d 002	59 19 0778.8	153 28 0187.9	T-12332	
002	59 19 0796.4	153 28 0467.3	T-12332	
003	59 19 0542.3	153 30 0204.6	T-12332	
004 (TINE)	59 19 0804.5	153 31 0263.7	T-12332	TINE
005 (CENTER)	59 21 0559.0	153 31 0746.0	T-12332	CENTER
006	59 21 1738.6	153 32 0830.0	T-12332	
007	59 22 0430.0	153 33 0209.5	T-12332	
008 (ISLAND)	59 22 0664.0	153 34 0392.0	T-12332	ISLAND 1965
009	59 22 0943.5	153 34 0082.1	T-12332	
010	59 23 0395.3	153 33 0732.0	T-12332	
011	59 23 1166.3	153 32 0489.6	T-12332	
012	59 23 0806.2	153 30 0819.8	T-12332	
013	59 23 1320.7	153 28 0837.4	T-12332	
014	59 21 1795.2	153 20 0526.8	T-12333	
015	59 21 0924.4	153 20 0328.0	T-12333	
016	59 20 1602.7	153 21 0140.3	T-12333	
017	59 20 0589.0	153 21 0629.8	T-12333	
018	59 20 0110.9	153 22 0744.2	T-12333	
019	59 19 1536.9	153 23 0594.2	T-12333	
020	59 19 0656.8	153 24 0691.4	T-12333	

Horizontal Control

Augustine Island

<u>SIGNAL NAME</u>	<u>LATITUDE</u> ° ' meters	<u>LONGITUDE</u> ° ' meters	<u>ORIGIN OF POSITION</u> <u>photo</u>	<u>triangulation station</u>
MOUND	59 22 0520.0	153 21 0157.8	T-12333	MOUND (1913)
021	59 19 1063.5	153 27 0506.9	T-12332	
022	59 24 0652.3	153 27 0706.0	T-12332	
023 (BURR)	59 25 0212.8	153 25 0198.1	T-12333	BURR (1913)
027	59 22 0555.4	153 20 0557.4	T-12333	

FIELD EDIT DATA

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FIX NO.	TIME DATE	OBJECT	HEIGHT (DEPTH)	DATUM	LOCATION	
					SIGNALS	ANGLES
044 -3	1032 6/26/71	Rock on foul limit	-2 ft	water	020	131° 00'
					019	10° 25'
					018	
045 AW	1035 6/26/71	Rock on foul limit	0 ft	water	020	135° 00'
					019	11° 48'
					018	
046 -5	1041 6/26/71	Foul limit	-4 ft	water	020	104° 25'
					019	41° 35'
					018	
047 AW	1046 6/26/71	Rock on foul limit	0 ft	water	020	74° 42'
					019	50° 40'
					018	
048 -4	1048 6/26/71	Rock on foul limit	-3 ft	water	020	71° 18'
					019	53° 12'
					018	
050 AW	1049 6/26/71	Rock on foul limit	0 ft	water	020	68° 18'
					019	61° 00'
					018	
051 AW	1052 6/26/71	Rock on foul limit	-1 ft	water	020	57° 17'
					019	70° 51'
					018	
052 AW	1054 6/26/71	Rock on foul limit	0 ft	water	020	44° 06'
					019	83° 18'
					018	
053 AW	1108 6/26/71	Rock on foul limit	0 ft	water	020	28° 37'
					019	108° 05'
					018	
054 -3	1113 6/26/71	Rock on foul limit	-2 ft	water	020	18° 10'
					019	87° 35'
					018	
055 -6	1117 6/26/71	Rock beyond foul limit	-5 ft	water	021	63° 54'
					020	48° 17'
					019	
062 -7	1119 6/28/71	Foul limit	-6 ft	water	020	13° 00'
					019	59° 06'
					018	

EDIT DATA

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FIX NO.	TIME DATE	OBJECT	HEIGHT (DEPTH)	DATUM	LOCATION	
					SIGNALS	ANGLES
100 H.W.	1026 6/26/71	Rock on foul limit	-1 ft	Water	001	28° 38'
	020					
	019				75° 35'	
101 H.W.	1029 6/26/71	Rock on foul limit	-1 ft	Water	001	53° 06'
	020					
	019				48° 33'	
102 -6	1040 6/26/71	Rock on foul limit	-5 ft	Water	001	62° 13'
	020					
	019				35° 37'	
103 H.W.	1044 6/26/71	Rock on foul limit	Awash	Water	021	23° 25'
	001					
	020				119° 53'	
104 H.W.	1047 6/26/71	Rock inside foul limit	+1 ft	Water	021	24° 14'
	001					
	020				140° 37'	
-3 105	1053 6/26/71	Rock on foul limit	-2 ft	Water	021	25° 50'
	001					
	020				127° 27'	
H.W. 106	1056 6/26/71	Rock on foul limit	Awash	Water	021	30° 01'
	001					
	020				113° 50'	
H.W. 107	1059 6/26/71	Rock on foul limit	+1.5 ft	Water	021	33° 04'
	001					
	020				110° 12'	
+3 108	1113 6/26/71	Rock on foul limit	+4 ft	Water	021	51° 55'
	001					
	020				86° 09'	
H.W. 109	1115 6/26/71	Rock on foul limit	+1.5 ft	Water	021	57° 32'
	001					
	020				78° 32'	
-4 110	1119 6/26/71	Rock on foul limit	-3 ft	Water	021	63° 29'
	001					
	020				77° 27'	
-4 111	1121 6/26/71	Rock inside foul limit	-3 ft	Water	021	67° 38'
	001					
	020				80° 36'	

FIELD EDIT DATA

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FIX NO.	TIME DATE	OBJECT	HEIGHT (DEPTH)	DATUM	LOCATION	
					SIGNALS	ANGLES
112 -5	1124 6/26/71	Rock on foul limit	-4 ft	water	021	74° 02'
					001	77° 16'
					020	
113 -5	1129 6/26/71	Rock inside foul limit	-4 ft	water	021	80° 31'
					001	77° 12'
					020	
114 AW	1130 6/26/71	Rock on foul limit	+1 ft	water	021	81° 08'
					001	72° 54'
					020	
115 AW	1131 6/26/71	Rock on foul limit	-1 ft	water	021	85° 12'
					001	69° 40'
					020	
116 -4	1142 6/26/71	Rock inside foul limit	-3 ft	water	021	53° 00'
					001	93° 28'
					020	
117 AW	1143 6/26/71	Rock inside foul limit	Awash	water	021	53° 08'
					001	93° 28'
					020	
118 AW	1146 6/26/71	Rock inside foul limit	Awash	water	021	49° 03'
					001	97° 40'
					020	
119 AW	1150 6/26/71	Rock on foul limit	-½ ft	water	021	42° 46'
					001	101° 40'
					020	
300 -3	0925 7/10/71	Rock inside foul limit	Awash	water	018	62° 32'
					017	54° 27'
					016	
301 -3	0926 7/10/71	Rock inside foul limit	Awash	water	018	45° 28'
					017	76° 46'
					016	
303 -3	0928 7/10/71	Rock inside foul limit	Awash	water	017	119° 08'
					016	11° 16'
					015	
304 AW	0929 7/10/71	Rock on foul limit	+1 ft	water	017	123° 47'
					016	15° 06'
					015	

FIELD EDIT DATA

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FIX NO.	TIME DATE	OBJECT	HEIGHT (DEPTH)	DATUM	LOCATION	
					SIGNALS	ANGLES
-3 305	0932 7/10/71	Rock on foul limit	Awash	water	017 016 015	130° 12' 16° 44'
-3 306	0934 7/10/71	Rock on foul limit	Awash	water	017 016 015	138° 15' 17° 57'
AW 307	0944 7/10/71	Rock on foul limit	+1 ft	water	017 016 015	73° 05' 87° 56'
308 -3	0948 7/10/71	Rock outside foul limit	Awash	water	017 016 015	33° 37' 127° 49'
309 -3	0954 7/10/71	Rock on foul limit	Awash	water	017 016 015	14° 47' 128° 11'
310 -3	0959 7/10/71	Rock on foul limit	Awash	water	017 015 027	102° 25' 25° 57'
311 AW	1000 7/10/71	Rock on foul limit	Awash	water	017 015 027	79° 01' 49° 00'
-4 312	1003 7/10/71	Rock on foul limit	-1 ft	water	017 015 027	56° 54' 72° 16'
314 -5	1008 7/10/71	Offshore reef	-2 ft	water	015 Mound 027	110° 00' 22° 28'
315 -4	1010 7/10/71	Offshore reef	-1 ft	water	015 Mound 027	117° 09' 23° 34'
316 AW	1011 7/10/71	Offshore reef	+1 ft	water	015 Mound 027	118° 00' 23° 18'
317 -3	1012 7/10/71	Offshore reef	Awash	water	015 Mound 027	113° 46' 22° 48'

FIELD EDIT REPORT

MAP T-12333

AUGUSTINE ISLAND, ALASKA

AUGUST 1973

Field edit of map T-12333 was done by LT(jg) Alan Potok and ENS John Murphy during the first week of August 1973. Inspection was done from a small boat and on foot when tide conditions dictated and fixes on land were required.

METHOD

Field photographs and a copy of the field edit ozalid were taken into the field. Sextant fixes were used for verification and location of rocks and ledges in the area. Sextant fixes were also used wherever possible for MHWL verification in the Burr Pt. area. Height data is written directly on the ozalid, or is referenced by fix number to the attached sheets. All times are based on the 135° W meridian.

ADEQUACY OF COMPILATION

Compilation of this map is fair. The photos were taken at high water, and as such many foul areas were missed. Due to the scale of the map an accurate delineation of features in the Burr Pt. area was impossible. However, due to the foulness of this area, the field editor does not feel a larger scale development is necessary. With the exception of these off shore details, field edit location of features compares well with photogrammetric location.

RECOMMENDATIONS

It is recommended that this map be revised in accordance with the notes on the ozalid, and the fix information on the sheets, and then be accepted as an advanced manuscript.

Respectfully submitted,

John A. Murphy
JOHN A. MURPHY, ENS NOAA

Charles A. Burroughs
Charles A. Burroughs
CDR, NOAA, Cmdg.

135° TIME ZONE

T-12333

1/4 23

12 0.	TIME	DESCRIPTION	L ANGLE	R ANGLE	CHK ANGLE	L	C	R	CHK
00	0858	E. END OF ROCK ISLAND BR 1'-15' (BR 2' AT 15') [SEE NOTE A]	43-20	29-10	32-55	506	504	503	005
01	0904	N. SHORE OF ABOVE EXPOSED REEF BR 3' AT 15'	26-28	28-42	20-53	005	504	503	006
02	0908	W. PT. OF EXP. REEF BR 1' REEF CURVES IN HERE	40-33	11-08	57-25	005	006	503	505
03	0912	EDGE OF FOUL (E.O.F.) BR 2'	37-00	16-19	31-01	505	504	006	503
04	0916	EDGE OF FOUL BR 5' [SEE NOTE A]	48-11	30-12	25-37	505	006	501	005
05	0924	E.O.F. BR 2'	16-39	29-14	23-51	005	006	502	503
06	0930	E.O.F. BR 3'	12-38	25-47	27-14	005	006	503	508
07	0937	E.O.F. BR 6'	24-08	36-19	50-23	505	006	502	501
08	0947	E.O.F. BR 2'	17-01	67-22	50-24	506	006	501	502
09	0949	" BR 2'	46-26	37-55	18-03	508	503	501	005
10	0951	" BR 1'	34-57	22-20	61-15	005	502	501	006
11	0955	" BR 3'	27-22	71-19	46-51	505	504	501	502
12	0958	" BR 3'	49-31	25-16	72-49	504	502	501	006
13	1002	" BR 2'	57-31	26-21	88-21	504	502	501	006
14	1005	" AW RK	89-59	29-38	56-18	006	502	501	503
15	1009	" BR 4'	22-24	111-12	77-20	006	503	503	502
16	1016	" BR 2'	97-40	49-18	102-05	503	500	501	006
17	1020	" BR 6'	65-39	51-11	77-52	503	502	501	006
18	1024	" BR 4'	56-33	47-20	71-54	S	S	S	S
19	1028	" BR 2'	53-42	59-42	62-48	S	S	S	S
20	1032	" BR 1'	51-23	75-40	55-57	S	S	S	S
21	1034	" BR 4'	40-04	91-32	41-25	S	S	S	S
22	1039	" BR 2'	23-40	93-37	81-08	006	504	501	502-26
23	1044	" BR 1'	11-04	52-21	30-10	504	502	501	006
FOLLOWING FIXES TAKEN 08/02/73									
24	0908	EDGE OF FOUL COV 2' [SEE NOTE A]	39-11	30-00	27-27	505	504	503	005
25	0912	EDGE OF FOUL COV 1'	59-57	30-33	32-05	507	504	503	005
26	0915	" COV 2'	67-51	34-51	36-46	507	504	006	005
27	0918	" COV 3'	59-31	37-32	41-02	505	508	503	005
28	0921	" BR 2'	63-30	31-06	48-01	505	508	503	005
29	0924	" BR 1'	61-00	27-53	74-54	005	508	006	505
30	0929	" BR 3'	36-52	87-05	81-13	507	505	006	503
31	0932	" BR 2'	46-11	76-19	81-13	507	505	504	006
32	0935	" COV 1'	54-16	36-47	69-52	S	S	S	S
33	0938	" AW RK	69-22	46-53	36-50	507	505	006	005
34	0941	" BR 2'	79-26	37-51	47-04	S	S	S	S
35	0945	" BR 1'	91-09	30-12	57-20	S	S	S	S

NOTE A: FIXES WERE TAKEN ON THE EDGE OF AN EXPOSED SHOAL AREA COVERED WITH BARE RKS.

135° TIME ZONE

T-12333

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IX O.	TIME	DESCRIPTION	L ANGLE	R ANGLE	CHK ANGLE	L	C	R	CHI
		FOLLOWING FIXES TAKEN 08/02/73							
36	0948	EDGE OF FOUL BR 3' [SEE NOTE A]	38-53	23-41		507	005	506	
37	0951	" COV 1 "	75-25	75-57	31-43	507	506	505	005
38	0954	" COV 1 "	77-02	59-07		507	506	505	
39	0959	" AW RK "	62-16	61-40	37-11	507	506	006	504
40	1002	" BR 2' "	80-31	34-41	86-52	507	506	006	004
41	1009	EDGE OF FOUL MANY BARE RKS. BR 2'	84-42	19-59	21-27	507	506	505	006
42	1016	EDGE OF FOUL MANY RKS BR 3'	29-00	92-50	106-57	004	507	506	505
43	1021	BR 6' EDGE OF FOUL	11-02	58-44	66-03	004	509	507	510
44	1024	BR 1' " " "	62-49	80-12	51-26	004	005	507	509
45	1029	BR 3' " " "	10-55	66-26		004	509	005	
46	1035	DETACHED POSITION RK BR 3'	81-13	88-02	86-37	004	005	507	511
47	1040	END OF FOUL, END OF RKY BEACH, BEGINS SANDY BCH.	108-17	84-52	97-47	004	005	507	509
48	1044	FOUL AREA IN SHALLOW WATER RKS BR 3'. AREA EXTENDS							
		FROM FIX TO SIGNAL 310 AND FIX TO LINE 29-46' W. OF 510.	83-50	98-46	50-33	511	509	507	510
49	1046	DETACHED POSITION RK BR 3'	58-38	79-58	53-45	511	510	005	509
50	1048	EDGE OF FOUL AREA WITH MANY EXPOSED RKS.	76-08	43-34	29-49	511	510	005	509
51	1054	EDGE OF FOUL BR 1'	92-07	29-29	15-41	004	005	507	509
52	1100	EDGE OF FOUL COV 2'	77-52	24-51	09-39	004	005	507	504
53	1103	" BR 2'	75-50	24-02	62-25	004	005	507	513
54	1105	" COV 1'	32-47	36-35	58-41	004	513	005	507
55	1107	" BR 1'-4'	41-00	25-24	46-58	S	S	S	S
56	1112	" BR 1' CLEAR CHANNEL TO BEACH BET-	59-20	06-05	108-18	004	513	005	015
57	1116	" BR 2' BETWEEN THESE TWO FIXES	53-07	63-29	83-10	015	004	513	507
58	1119	" COV 2'	64-57	70-45		015	004	513	
59	1122	" BR 1'	82-57	72-37		S	S	S	
		FOLLOWING FIXES WERE TAKEN 07/31/73, AND ARE CHANNEL LIMIT VERIFICATION.							
60	1140	CHANNEL TO U. OF A. CAMP COV B'	41-05	43-45		506	505	504	
61	1144	" " " COV T'	60-54	109-38		505	506	504	
62	1148	" " " COV C'	101-17	81-17		505	005	504	
63	-	UNIVERSITY OF ALASKA BASE CAMP LOCATED AT THE BASE OF THIS KNOLL TWO METAL BUILDINGS.	73-28	79-02	25-44	501	506	505	504
64	-	DOUBLE CHECK OF ABOVE LOCATION	107-27	100-50		505	005	501	

NOTE A: FIXES WERE TAKEN ON THE EDGE OF AN EXPOSED SHOAL AREA COVERED WITH BARE RKS.

FIX NO.	TIME	DESCRIPTION	L ANGLE	R ANGLE	CHK ANGLE	L	C	R	CHK
		THE FOLLOWING FIXES TAKEN ON 08/01/73 ARE M.H.W.L. VERIFICATION IN BURR PT. AREA							
165	1453	N.W. CORNER OF RKY ISLET BR 25' (SIGNAL 435 HIG)	27-00	71-48	108-48	506	005	504	508
166	1500	S.W. CORNER OF ABOVE ISLET	26-11	73-40	110-17	S	S	S	S
167	1506	N. END OF ISLAND BR 15'	75-38	22-56	36-44	005	504	503	508
168	1512	S. END OF SAME ISLAND	81-43	19-37	31-59	005	504	503	006
69	1517	S.W. END OF LARGE RKY ISLAND BR 20'	127-59	30-23	18-57	507	504	006	503
70	1545	N.E. END OF ABOVE ISLAND	109-03	25-50	20-54	507	504	508	503
71	1541	N. END OF LARGE RKY PENINSULA	129-09	42-15		507	502	505	
72	1529	N. END OF ISLAND W. OF #306 BR 30'	12-07	35-53	05-38	503	006	505	508
13	1533	S. END OF ABOVE ISLAND	91-34	74-15	28-54	005	504	505	006
74	1549	S. END OF N.E. OF #505 BR 15'	113-46	32-27	27-45	507	504	006	505
75	1552	N. END OF SAME ISLAND	ON RINGE 29-10		32-45	504	505	508	006
76	1553	RK BR 3'	38-46	67-05	33-04	506	505	006	504
77	1555	N. END OF ISLAND BR 10'	117-43	41-26	26-06	507	504	508	503
78	1601	N. END OF ISLAND BR 35'	78-45	107-19	64-59	006	505	507	508
79	1558	S.E. END OF ISLAND WHOSE N.E. END IS FIX 377	113-31	43-11	37-00	506	504	508	006
80	1604	S. END OF ISLAND WHOSE N. END IS FIX 378	141-23	19-42	34-02	507	504	503	006
81	1609	CENTER OF SMALL GRASSY ISLET BR 20'	71-01	108-39	60-57	006	505	507	506
82	1617	CENTER OF SMALL GRASSY ISLET, BR 20', 40M IN DIA.	30-51	142-06	15-03	504	006	506	508
83	1624	CENTER OF SMALL GRASSY ISLET, BR 25', 30M IN DIA.	30-28	126-45	67-12	504	006	506	505
84	1634	N. END OF LARGE GRSSY ISLAND BR 45'	36-48	63-14	126-55	503	508	505	506
85	1637	S. END OF ABOVE ISLAND	21-26	97-08	0	006	508	506	
86	1644	CENTER OF SMALL GRASSY ISLET, 20M x 40M, BR 20'	76-04	143-00	123-50	506	005	006	505
87	1651	S. END OF ISLAND, 40M WIDE, BR 35'	124-41	96-17	72-21	505	005	504	506
88	1655	N. END OF ABOVE ISLAND	114-17	82-58	57-47	505	005	504	506
89	2050	M.H.W.L. E. SIDE OF MAIN CHANNEL	93-53	98-37		504	006	505	
90	2100	" " " " " "	123-34	66-59		504	508	505	
91	2104	M.H.W.L. TIP OF PT. JUTTING INTO CHANNEL	60-55	117-28		504	006	505	
92	2109	M.H.W.L. N.E. SIDE OF ABOVE PT.	70-20	30-58		S	S	S	
93	2114	M.H.W.L. W. SIDE OF CHANNEL	28-26	119-21		505	506	504	
94	2117	M.H.W.L. N. SIDE OF RIDGE	60-31	104-23		504	503	505	
95	2121	M.H.W.L. N. SIDE OF RIDGE	24-31	104-34	130-34	505	506	504	006 501
96	2125	M.H.W.L. N.W. CORNER OF RIDGE	79-51	124-19	36-36	504	503	508	006
97	2137	M.H.W.L. N. END OF RKY PENINSULA	106-45	45-35		504 503	503 506	006	
98	2144	M.H.W.L. W. SIDE OF ABOVE PENINSULA	52-45	65-12		503	006	508	

1735 TIME ZONE T-12333 (26)

FIX NO.	TIME	DESCRIPTION	L ANGLE	R ANGLE	CHK ANGLE	L	C	R	CHI
		FOLLOWING FIXES TAKEN 08-02-73 FOR M.H.W.L. VERIFICATION							
99	1716	M.H.W.L. N. END BURR ISLAND	12-04	39-36		505	500	005	
00	1723	CENTER OF RKY ISLET, BR 10', 30' DIA	31-31	100-37		506	005	600	
01	1728	M.H.W.L. S. SIDE BURR ISLAND	129-22	19-00		508	502	503	
02	1735	E. END LARGE RKY ISLAND, BR 30', (SIGNAL BOB HERE)	57-22	19-11		504	503	006	
03	1738	S.E. SIDE OF ABOVE ISLAND	25-50	42-12		505	506	005	
04	1743	N.E. SIDE OF LARGE RKY ISLAND, BR 20'	20-19	178-08		503	006	500	
05	1746	S. SIDE OF ABOVE ISLAND	21-42	90-32		505	506	504	
06	1752	S.W. END OF ABOVE ISLAND	30-24	67-29		508	500	504	
		THE FOLLOWING ARE FIXES TAKEN TO DELINEATE THE MAIN CHANNEL INTO BURR PT. AREA. THIS CHANNEL LEADS TO A POSSIBLE REFUGE FOR SMALL BOATS WITH A DEPTH OF LESS THAN 3-4'. FIXES WERE TAKEN ON 08-15-73, AT TIMES SHOWN, IN THE CENTER OF THE CHANNEL. SOUNDINGS WERE TAKEN ON THE EAST SIDE, MID CHANNEL AND WEST SIDE RESPECTIVELY, WITH 15 M BETWEEN L AND SIDES.							
07	1545	E. 2.4 ϕ 2.5 W. 1.8	82-05	98-39		504	006	505	
08	1548	E. 2.8 ϕ 2.0 W. 1.7	177-45	50-30		504	508	505	
09	1554	E. 2.4 ϕ 2.4 W. 2.3	99-57	71-24		006	508	505	
110	1557	E. 2.2 ϕ 2.4 W. 2.8	119-02	44-00		006	505	506	
111	1600	E. 2.4 ϕ 2.8 W. 2.0	142-30	44-02		006	505	506	
112	1605	E. 3.5 ϕ 3.5 W. 3.7	95-55	30-16		504	508	506	



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SURVEY

27

Date : Nov.21,1972

Reply to Attn. of:

To : Reviewers.

From : Albert C. Rauck, Jr.
Coastal Mapping

Subject: Field edit ozalids on Job Ph-6301

You will note that several of the field edit ozalids for this project have a multitude of 3-point fixes lettered in purple.

One sheet has as many as 168 fixes assigned to the location of the outer edge of rock ledge. All of these were plotted and checked and when thus located, were laid over the ozalid on a light table. It was found that the plotted positions of these fixes coincided exactly with those on the ozalid.

It was suspected and later proven by a phone call to Mr. George Fernandes, that this is exactly what the field editor did after he plotted his fixes on his film ozalid furnished for this purpose. Mr. Fernandes verified this by conversation with the field works officer and his officers.

It was found to be not practical to re-plot these fixes again and the data was taken directly from the ozalids and applied to the map manuscripts. Phone verification was made 12:45 P.M. Nov.21,1972.

NOAA FORM 75-74 (2-74)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL OCEAN SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW T-12333 E-10368			
1. PROJECTION AND GRIDS CHB	2. TITLE CHB	3. MANUSCRIPT NUMBERS CHB	4. MANUSCRIPT SIZE
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY CHB	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) X		7. PHOTO HYDRO STATIONS X
8. BENCH MARKS X	9. PLOTTING OF SEXTANT FIXES X	10. PHOTOGRAMMETRIC PLOT REPORT W.O. Bridge	11. DETAIL POINTS X
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE CHB	13. LOW-WATER LINE X	14. ROCKS, SHOALS, ETC. CHB	15. BRIDGES X
16. AIDS TO NAVIGATION X	17. LANDMARKS X	18. OTHER ALONGSHORE PHYSICAL FEATURES CHB	19. OTHER ALONGSHORE CULTURAL FEATURES X
PHYSICAL FEATURES			
20. WATER FEATURES CHB	21. NATURAL GROUND COVER X		22. PLANETABLE CONTOURS X
23. STEREOSCOPIC INSTRUMENT CONTOURS X	24. CONTOURS IN GENERAL X	25. SPOT ELEVATIONS X	26. OTHER PHYSICAL FEATURES X
CULTURAL FEATURES			
27. ROADS X	28. BUILDINGS X	29. RAILROADS X	30. OTHER CULTURAL FEATURES X
BOUNDARIES			
31. BOUNDARY LINES X		32. PUBLIC LAND LINES X	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES CHB	34. JUNCTIONS CHB		35. LEGIBILITY OF THE MANUSCRIPT CHB
36. DISCREPANCY OVERLAY X	37. DESCRIPTIVE REPORT CHB	38. FIELD INSPECTION PHOTOGRAPHS None	39. FORMS CHB
40. REVIEWER C.H. Bishop		SUPERVISOR, REVIEW SECTION OR UNIT A.C. Rauck	
41. REMARKS (See attached sheet)			
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT			
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.			
COMPILER C. Parker 12/15/72 Reviewer: A.L. Shands 12/26/72		SUPERVISOR A.C. Rauck	
43. REMARKS Field edit applied from the field edit ozalid T-12333. Edit above Lat. 59° 22.5' to be applied at a later date. 1973 field edit applied from field edit ozalid by F.P. Margiotta 1/10/74			

Review Report T-12333
Shoreline Survey
May 1976

62. Comparison with Registered Topographic Surveys - None

63. Comparison with Maps of Other Agencies

Refer to item 46 of the Compilation Report.

64. Comparison with Contemporary Hydrographic Surveys

H-9073 1:20,000 1969

This hydrographic survey was incomplete and unavailable for comparison during review of the photogrammetric map.

65. Comparison with Nautical Charts

Chart 8554, 1:200,000. scale, 13th edition, May 1974

66. Adequacy of Results and Future Surveys

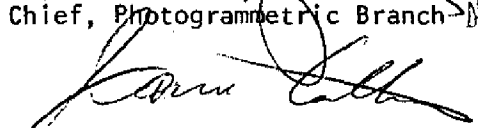
This map meets the National Standards of Map Accuracy and complies with Bureau requirements. However, the quality of the photography was poor; and, since they were taken near high water, the compilation is considered only fair by the field editor.

Submitted by,



J.B. Phillips

Approved:


Chief, Photogrammetric Branch
Chief, Coastal Mapping Division

May 26, 1967

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6301 (Cook Inlet, Alaska)

T-12333

Augustine Island

Augustine Volcano

Burr Point

Cook Inlet

Approved by:

A. Joseph Wraight
A. Joseph Wraight
Chief Geographer

Prepared by:

Frank W. Pickett
Frank W. Pickett
Cartographic Technician

DESCRIPTIVE REPORT CONTROL RECORD

SCALE OF MAP 1:20,000

SCALE FACTOR: None

[illegible]