T-12340

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-12340

Classification No. Final *Edition No.* 1

Field Edited Map

LOCALITY

State Alaska

General Locality Kamishak Bay

Locality Kamishak Bay

1962 TO 1970

REGISTRY IN ARCHIVES

DATE

☆ U.S. GOVERNMENT PRINTING OFFICE: 1974-762-901

T-12340

FORM C&GS-181a
(3-66)

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

(1)

DESCRIPTIVE REPORT - DATA RECORD

T = 12340

PROJECT NO. (II):

PH-6301

FIELD OFFICE (II):	CHIEF OF PARTY

PHOTOGRAMMETRIC OFFICE (III):	OFFICER-IN-CHARGE
Portland Field Office Portland, Oregon	P.A. Stark

INSTRUCTIONS DATED (II) (III):

Office: March 18, 1965, Part I
Feb. 10, 1966, 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):

Kelsh Instrument

MANUSCRIPT SCALE (III):	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):
(1:20,000) 1:20,000	1:6,000 Pantograph scale 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. CATDR JUN 1971

GEOGRAPHIC DATUM (III):	VERTICAL DATUM (III): MHW ~~MEAN SEA LEVEL~~ EXCEPT AS FOLLOWS: *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*
N.A. 1927	

REFERENCE STATION (III):

ECHO, 1964

LAT.:	LONG.:	
59°03'31.72"	153°58'20.44"	☐ ADJUSTED ☒ UNADJUSTED

PLANE COORDINATES (IV):		STATE	ZONE
Y =	X =	Alaska	5

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.

USCOMM-DC 36393A-P66

FORM C&GS-181b
(3-65)

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

(2)

DESCRIPTIVE REPORT - DATA RECORD

T-12340

FIELD INSPECTION BY (III):	DATE:

MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):

Office interpretation of the photography taken June 1962

PROJECTION AND GRIDS RULED BY (IV): A.E. Roundtree	DATE 1/2/65
PROJECTION AND GRIDS CHECKED BY (IV): P. Hawkins	DATE 1/26/65
CONTROL PLOTTED BY (III): J.S. Place	DATE 3/16/65
CONTROL CHECKED BY (III): R.H. Meyer	DATE 3/16/65
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): J.D. Perrow, Jr.	DATE 2/1/65
STEREOSCOPIC INSTRUMENT COMPILATION (III): PLANIMETRY J.S. Place	DATE 4/1/65
CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): C.C. Harris	DATE 4/8/65
SCRIBING BY (III):	DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): L.F. Beugnet	DATE 4/19/65

REMARKS:

Field edit applied from the Field Edit Report, the Field Edit Ozalid, and photographs 62W6457 through 6466. S. Kumer 11/17/72

Verification of Field Edit Application

Much of the foreshore area details are visible on photos 62W6457 thru 66 indicating the stage of tide at the time of photography to be much lower than that computed from the Tides Tables. A.L. Shands Jan. 1973

FORM C&GS-181c
(3-65)

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

3

DESCRIPTIVE REPORT - DATA RECORD

T-12340

CAMERA (KIND OR SOURCE) (III):

C&GS Single Lens W

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
62W6592 - 6595	6/18/62	1645 (PST)	1:30,000	14.0 ft. above MLLW
62W6597 - 6599	6/18/62	1647 "	1:30,000	14.0 ft. above MLLW
62W6556 - 6566	6/18/62	1632 "	1:15,000	14.2 ft. above MLLW
62W6457 - 6466	6/18/62	1353 "	1:20,000	9.3 ft. above MLLW
				From predicted tides.

TIDE (III) Predicted Diurnal

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

WASHINGTON OFFICE REVIEW BY (IV): J.B. Phillips — DATE: May 1976

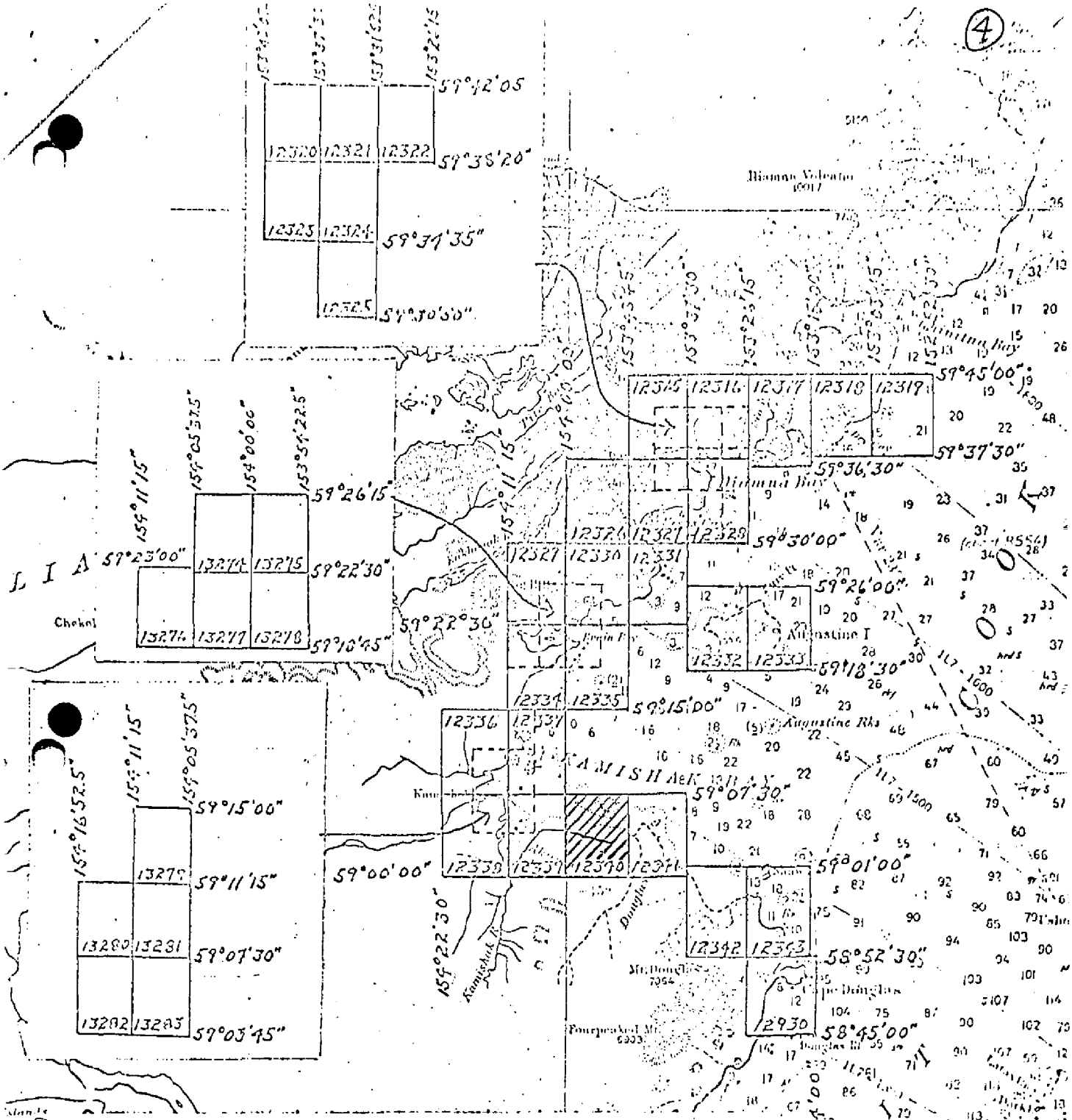
PROOF EDIT BY (IV): — DATE:

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):

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

REMARKS:



JOB PH-6301 (PART-1)

COOK INLET, ALASKA

SHORELINE MAPPING

Scale 1:10,000 & 1:20,000

Revised 4-3-68 LFV

(5)

SUMMARY

T-12340 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 September 1970

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-12340

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation complete pending field edit		
Alongshore area for hydro	April 1965	Superseded
Field Edit Applied	Nov. 1972	

Photogrammetric Plot Report

Project 21062 T-12340

Kamishak Bay, Alaska

21. Area Covered

This report covers the southern portion of Cook Inlet, in the vicinity of Kamishak Bay to Cape Douglas, Alaska.

22. Method

Analytic aerotriangulation methods were used to bridge Strip #1 at the scale of 1:50,000.

Stereoplanigraph methods used to bridge Strip #2 at the scale of 1:30,000. Both strips were adjusted by the IBM 1620.

Points were dropped from Strip #1 to control one model needed to compile an offshore island. Tie points were also dropped from Strip #1 to provide control on the eastern end of Strip #2.

23. Adequacy of Control

Horizontal control was adequate and complied with project instructions. Ties between strips were averaged. Bridging results meet National Map Accuracy Standards with the exception of station WARVIK, SS "B". No reason could be determined for its not being within standards.

WARVIK, SS "A" is marked ("doubtful") on Form 152 but seems to fit into a good adjustment pattern with small residuals.

24. Supplemental Data

Local quads were used to obtain vertical control for bridging purposes. Vertical points expressed on the readout are only as good as these quads and are not to be used as "tight vertical control".

25. Photography

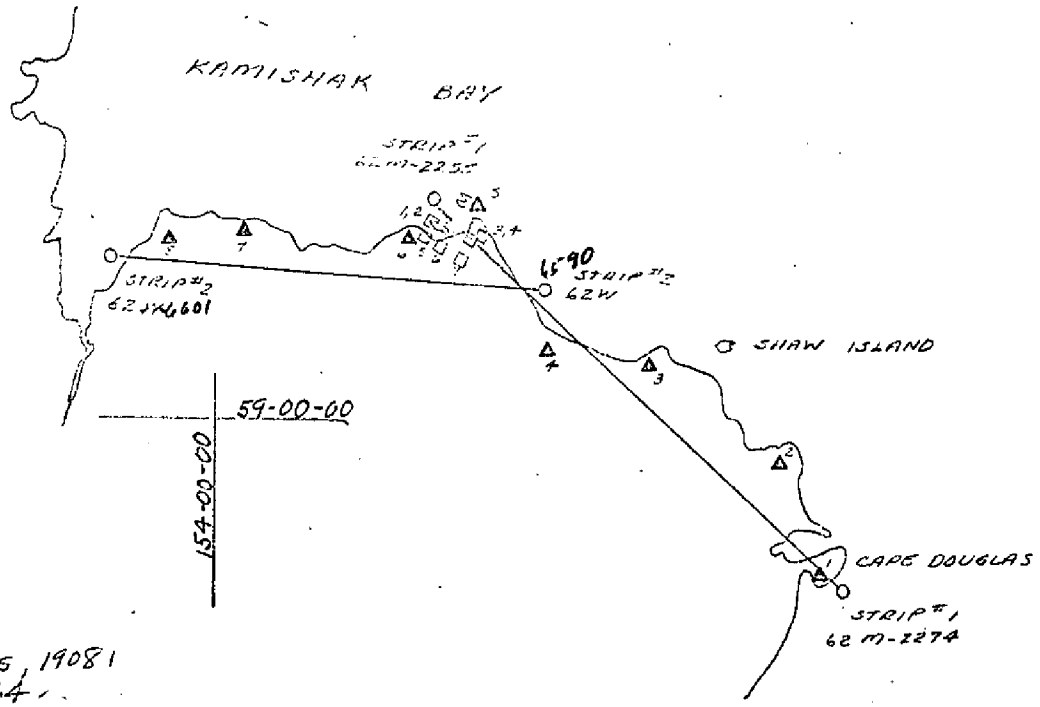
Photography was adequate with regard to coverage, overlap and definition.

Submitted by,

John D. Perrow, Jr.

Approved by:

KAMISHAK BAY, ALASKA
2106E



1 South Douglas, 1908 ✓
2 Douglas, 1964 ✓
3 Beaver, 1964 ✓
4 Baby, 1964 ✓
5 Crow, 1964
6 Shale, 1964 ✓
7 Echo, 1964 ✓
8 Watwik, 1964 ✓

(9)

FIELD INSPECTION REPORT
Map Manuscript T-12340
Project 21062

There was no Field Inspection prior to compilation.

(10)

COMPILATION REPORT
Map Manuscript T-12340
Project 21062

31. DELINEATION

Planimetry was compiled by Kelsh Instrument.

Items 32 thru 38

Please refer to the Compilation Report found in the Descriptive Report for Map Manuscript T-12339.

39. JUNCTIONS

Satisfactory junctions were made with Manuscripts T-12339 on the west and T-12341 on the east. There is no contemporary survey on the north or south.

40. HORIZONTAL AND VERTICAL ACCURACY

Items 46 and 47.

Please refer to the compilation report found in the Descriptive Report for Map Manuscript T-12339.

Approved:

(for) P.A.Stark, CDR
Portland Field Officer

Submitted:

Donnel N. Williams
Cartographer

(11)

FIELD EDIT REPORT

SHEET T-12340

KAMISHAK BAY

PH- 6301

SEPTEMBER 1970

NOAA SHIP PATHFINDER

CAPT H.R. LIPPOLD JR. , COMDG.

51 Methods

The field edit of this map was done in accordance with photogrammetric instructions and project instructions to the Commanding Officer, Ship PATHFINDER, dated March 19, 1970. Sextant fixes were used to verify and locate objects that could not be seen or positively verified on the photographs.

All deletions, additions, 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 locations of the signals used in the field edit work.

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

Alaska Daylight Time, time meridian 135W, was used for the entire survey.

Hydrographic signals used for field edit fixes are listed on a sheet attached to the Field Edit Ozalid and also included in this report. The method of location and the geographic positions are given for each signal.

All fixes taken during the field edit are identified by number on the Field Edit Ozalid. A running tabulation of this data is supplied with the ozalid and is also part of this report.

Larry Joe Oliver
Larry Joe Oliver
Ensign, NOAA
Photo Officer

Approved:

H. R. Lippold Jr.
CAPT. NOAA
Commanding Officer

HORIZONTAL CONTROL

SIGNAL NAME	LATITUDE o ' meters	LONGITUDE o ' meters	ORIGIN OF POSITION
#44	59 04 0952	154 00 0604	T-12340
#45	59 04 0407	153 58 0433	T-12340
#46	59 03 1384	153 55 0610	T-12340
#47	59 03 1149	153 52 0734	T-12340
#48	59 03 1658	153 49 0463	T-12340
#49	59 04 ~~1373~~ 1379	153 47 ~~0270~~ 0117	T-12341
ROCK	59 06 ~~1246~~ 0043	153 51 ~~0561~~ 0555	T-12340
#51	59 05 0152	153 42 0322	T-12341
JUMA	59 10 1246	154 05 0345	JUMA 1967
TINE	59 19 0804	153 31 0265	TINE 2 RM 3 1964
MOUSE	59 10 0460	154 04 0667	TOPO. MOUSE 1970
NORD	59 10 1698	154 04 0787	TOPO. NORD 1970
CAL TOWER	59 11 1065	154 04 0470	TOPO. CAL TOWER 1968
CAL TOWER (70-1)	59 07 1734	153 55 0072	TOPO. CAL TOWER 1970

LOCATION OF SIGNALS

ROCK
JUMA
TINE
MOUSE
NORD
CAL TOWER
CAL TOWER-70-1

ROCK was located by plotting the following angles as a three point fix.

	SOUTH END		NORTH END
49	75° 02' 30''	49	74° 52' 40''
47	48° 46' 00''	47	57° 50' 20''
45		44	

JUMA was RED Raydist station located over triangulation station JUMA 1967 (Nordyke Is.)

TINE was GREEN Raydist station located over triangulation station TINE 2 RM 3 1964 (Augustine Is.)

MOUSE was located by resection. (See MOUSE RESECTION)

NORD was located by resection. (See NORD RESECTION)

CAL TOWER was based on topographic position used in 1968 field season.

CAL TOWER 1970-1 was established by Raydist control from CAL TOWER. Raydist lanes agreed to within .1 by hydro-launch 1 and hydro-launch 4. Location was determined by meter bar from Raydist position on boat sheet.

F EDIT DATA

T-12340

FIX NO.	TIME / DATE	OBJECT	HEIGHT (DEPTH)	DATUM	LOCATION SIGNALS	LOCATION ANGLES
001	0925 / 9/4/70	off shore reef	+2'	water	48 47 46	40°03.5' 53°34.3'
002	0930 / 9/4/70	off shore reef	+2'	water	48 47 46	43°04.5' 59°51.3'
003	0936 / 9/4/70	off shore reef	+2'	water	48 47 46	45°48.3' 53°50.0'
004	1000 / 9/4/70	edge of reef	+1'	water	48 47 46	27°06.7' 93°13.7'
005	1007 / 9/4/70	edge of reef	+0.5'	water	48 47 46	31°26.8' 101°18.3'
006	1015 / 9/4/70	edge of reef	+0.5'	mud flats	44 rock 47	116°30.7' 79°06.0'
007	/					BUST
008	1026 / 9/4/70	edge of reef	+3'	mud flats	44 rock 47	110°46.7' 84°07.5'
009	1034 / 9/4/70	edge of reef	+3'	mud flats	44 rock 47	107°08.5' 104°12.0'
010	1047 / 9/4/70	edge of reef	+2'	mud flats	48 47 46	91°56.1' 84°42.3'
011	1054 / 9/4/70	edge of reef	+3'	mud flats	48 47 46	116°21.3' 66°16.3'
012	1100 / 9/4/70	edge of reef	+2'	mud flats	47 rock 48	100°00.6' 71°07.0'
013	1107 / 9/4/70	off shore reef	0'	water	47 44 rock	29°20.3' 86°01.3'

EDIT DATA

T-1234.0

FIX NO.	TIME / DATE	OBJECT	HEIGHT (DEPTH)	DATUM	LOCATION SIGNALS	LOCATION ANGLES
014	1112 / 9/4/70	off shore reef	+4'	water	46 Rock 48	90° 47.5' 79° 31.7'
015	1116 / 9/4/70	off shore reef	+4'	water	47 Rock 48	88° 13.3' 72° 50.1'
016	1120 / 9/4/70	end of reef	0	mud	47 Rock 48	75° 36.0' 67° 52.0'
017						Swinger
018	1150 / 9/4/70	apparent beginning of reef	0'	mud	47 Rock 48	77° 35.0' 84° 25.0'
019	1200 / 9/4/70	edge of reef	+2'	water	47 44 Rock	18° 53.2' 60° 55.3'
020	1207 / 9/4/70	tip of reef	+3'	water	48 47 Rock	88° 42.3' 80° 50.2'
021	1215 / 9/4/70	edge of reef	+3'	water	48 47 Rock	116° 56.2' 78° 04.6'
022	1225 / 9/4/70	edge of reef	+4.5'	water	48 47 Rock	61° 38.3' 76° 17.0'
023	1230 / 9/4/70	edge of reef	+3'	water	48 47 Rock	70° 48.2' 79° 10.0'
024	1235 / 9/4/70	tip of reef	+3'	water	48 47 Rock	53° 22.2' 77° 49.2'
025	0922 / 9/17/70	edge of reef	+1'	mud	Rock 48 47	58° 20.3' 29° 15.8'
026	0930 / 9/17/70	edge of reef	+4'	mud	Rock 48 47	54° 52.6' 25° 08.6'

FIELD EDIT DATA

T-1234.0

FIX NO.	TIME / DATE	OBJECT	HEIGHT (DEPTH)	DATUM	LOCATION SIGNALS	LOCATION ANGLES
027	0945 / 9/17/70	edge of reef	0	water	rock 47 46	63°26.3' 118°40.3'
028	0955 / 9/17/70	edge of reef	0	water	rock 47 46	67°45.0' 91°27.3'
029	1000 / 9/17/70	edge of reef	0	water	rock 47 46	58°09.3' 52°53.8'
030	1009 / 9/17/70	edge of reef	0	water	47 46 45	43°02.3' 117°53.6'
031	1017 / 9/17/70	edge of reef	0	water	47 46 45	32°35.5' 119°24.2'
032	1023 / 9/17/70	edge of reef	0	water	47 46 45	29°53.6' 114°38.3'
033	1025 / 9/17/70	edge of reef	0	water	47 46 45	31°03.6' 107°30.3'
034	1030 / 9/17/70	edge of reef	0	water	47 46 45	27°10.2' 114°45.5'
035	1036 / 9/17/70	edge of reef	0	water	47 46 45	21°41.0' 122°41.6'
036	1045 / 9/17/70	edge of reef	0	water	46 45 44	129°20.3' 22°17.6'
037	1053 / 9/17/70	edge of reef	0	water	46 45 44	127°00.8' 26°46.3'
038	1100 / 9/17/70	edge of reef	0	water	46 45 44	111° 11.2' 36° 13.5'
039	1104 / 9/17/70	edge of reef	0	water	47 45 44	132° 35.0' 36° 56.6'

FIELD EDIT DATA

T-12340

FIX NO.	TIME / DATE	OBJECT	HEIGHT (DEPTH)	DATUM	LOCATION SIGNALS	LOCATION ANGLES
040	1030 / 9/17/70	off shore reef	+1'	water	rock 48 47	103-45.0' 75-56.0'
041	1034 / 9/17/70	off shore reef	+1'	water	rock 48 47	108-11.2' 74-21.3'
042	1038 / 9/17/70	off shore reef	+1'	water	rock 48 47	111-46.5' 78-36.8'
043	1045 / 9/17/70	offshore reef	+2'	water	rock 48 47	118-11.2' 74-55.0'
044	1052 / 9/17/70	off shore reef	+2'	water	rock 48 47	129-06.5' 74°25.3'
045	1058 / 9/17/70	off shore reef	+1'	water	49 47 45	109°04.0' 53°15.0'
046	1103 / 9/17/70	offshore reef	+3'	water	49 47 45	104°25.5' 51°21.5'
047	1106 / 9/17/70	off shore reef	+1.5'	water	49 47 45	107°03.0' 49°19.7'
048	1115 / 9/17/70	off shore reef	+3'	water	rock 48 47	128°42.3' 78°45.5'
049	1330 / 9/3/70	edge of island 2	note: hwl≈60 ft. off shore from SW tip	base of island Is.	49 47 44	58°24.0' 63°25.0'
050	1330-1400 / 9/3/70	edge of island	+32'	base of island(hwl)	49 47 44	58°24.3' 63°10.5'
051	1330-1440 / 9/3/70	SE tip of island	note: hwl is at base of Is.	base of island(hwl)	49 47 44	58°59.5' 61°55.9'
052	1330-1440 / 9/3/70	SE tip of island	note: hwl≈ 20 ft. off shore SE tip Is.	base of island	49 47 44	59°04.2' 61°51.5'

FIELD EDIT DATA

T-12340

FIX NO.	TIME / DATE	OBJECT	HEIGHT (DEPTH)	DATUM	LOCATION SIGNALS	LOCATION ANGLES
053	1330-1400 / 9/3/70	South base of 25' high rock islet	+ 25'	Base of island (HWL)	49 47 44	59° 56.6' 60° 51.9'
054	1400-1430 / 9/3/70	South base of 20' high rock islet	+ 20'	(HWL)	48 46 49	60° 15.1' 33° 35.6'
055	1400-1430 / 9/3/70	SW tip of elongated island	+ 30'	(HWL)	49 47 44	60° 58.4' 60° 22.8'
056	1400-1430 / 9/3/70	South tip of elongated island	+ 10'	(HWL)	49 47 44	61° 40.8' 59° 33.0'
057	1400-1430 / 9/3/70	SE tip of small island	+ 10'	(HWL)	49 47 44	61° 44.9' 58° 34.2'
058	1100 / 8/23/70	South end of Pinnacle Rock	+ 45.5'	(MLLW)	49 47 45	75° 02.5' 48° 46.0'
059	1105 / 8/23/70	North end of Pinnacle Rock	+45.5'	(MLLW)	49 47 44	74° 52.7' 57° 50.3'
060	1500 / 8/25/70	Northern-most part of reef	- 3.0'	WATER	Rock 45 44	45° 15.3' 84° 53.2'
061	1512 / 8/25/70	North side of channel	-2.0'	WATER	Rock 45 44	47° 56.2' 93° 39.5'
062	0957 / 9/3/70	Outer limits of reef	+ 15'	WATER	47 45 44	42° 20.0' 54° 55.0'
064	1007 / 9/3/70	Edge of reef	0.0'	WATER	47 45 44	39° 12.0' 59° 26.0'
067	1012 / 9/3/70	Edge of reef	0.0'	WATER	47 45 44	38° 51.0' 57° 23.0'
	/					

FIELD EDIT DATA

T-12340

(20)

FIX NO.	TIME / DATE	OBJECT	HEIGHT (DEPTH)	DATUM	LOCATION SIGNALS	LOCATION ANGLES
069	1016 / 9/3/70	edge of channel between reefs	0'	water	47 45 44	37° 48' 58° 11'
073	1020 / 9/3/70	edge of reef	0'	water	47 45 44	36° 53' 61° 26'
076	1027 / 9/3/70	edge of reef	0'	water	47 45 44	34° 48' 62° 55'
079	1030 / 9/3/70	edge of reef	0'	water	47 45 44	34° 53' 60° 55'
081	1033 / 9/3/70	outer edge of reef	0'	water	47 45 44	35° 32' 59° 52'
083	1036 / 9/3/70	outer edge of reef	0'	water	47 45 44	35° 48' 60° 25'
085	1040 / 9/3/70	outer edge of reef	0'	water	47 45 44	37° 26' 57° 47'
086	1041 / 9/3/70	outer edge of reef	0'	water	47 45 44	37° 59' 56° 50'
087	1041 / 9/3/70	outer edge of reef	+0.1'	water	47 45 44	37° 32' 56° 14'
088	1045 / 9/3/70	rock	+0.75'	water	47 45 44	37° 39' 55° 11'
091	1051 / 9/3/70	edge of reef	0'	water	47 45 44	37° 00' 52° 45'
093	1056 / 9/3/70	edge of reef	0'	water	47 45 44	36° 02' 50° 39'
095	1059 / 9/3/70	edge of reef	+0.2'	water	47 45 44	34° 56' 49° 15'

FIELD EDIT DATA

T-12340

FIX NO.	TIME / DATE	OBJECT	HEIGHT (DEPTH)	DATUM	LOCATION SIGNALS	LOCATION ANGLES
096	1136 / 9/3/70	edge of reef	+0.4'	water	Rock 45 44	47° 20' 84° 29'
097	1137 / 9/3/70	edge of reef	+0.4'	water	Rock 45 44	47° 39' 86° 27'
098	1139 / 9/3/70	edge of reef	+0.5'	water	Rock 45 44	47° 37' 89° 46'
099	1141 / 9/3/70	edge of reef	+0.5'	water	Rock 45 44	47° 49' 93° 22'
100	1142 / 9/3/70	edge of reef	0'	water	Rock 45 44	48° 38' 96° 27'
101	1145 / 9/3/70	edge of reef	0'	water	Rock 45 44	49° 36' 97° 44'
104	1152 / 9/3/70	edge of reef	+0.1'	water	Rock 45 44	51° 35' 94° 20'
105	1153 / 9/3/70	edge of reef	+0.2'	water	Rock 45 44	51° 16' 94° 19'
106	1154 / 9/3/70	edge of reef	+0.1'	water	Rock 45 44	50° 56' 95° 57'
108	1156 / 9/3/70	edge of reef	+0.1'	water	Rock 45 44	50° 41' 100° 53'
109	1158 / 9/3/70	edge of reef	+0.2'	water	Rock 45 44	52° 52' 106° 02'
110	1048 / 9/4/70	rock in channel	+0.1'	water	Rock 45 44	49° 14' 99° 38'
111	1055 / 9/4/70	south bank of channel	+0.1'	water	Rock 45 44	49° 17' 106° 54'

F[illegible] EDIT DATA

T-12340

FIX NO.	TIME / DATE	OBJECT	HEIGHT (DEPTH)	DATUM	LOCATION SIGNALS	LOCATION ANGLES
112	1059 / 9/4/70	edge of reef	+0.1'	water	rock 45 44	49°47' 113°37'
113	1105 / 9/4/70	edge of reef	+0.1'	water	rock 45 44	50°45' 122°16'
114	1109 / 9/4/70	edge of reef	0'	water	rock 45 44	49°02' 130°29'
115	1112 / 9/4/70	edge of reef	+0.1'	water	rock 45 44	51°29' 126°04'
116	1114 / 9/4/70	edge of reef	+0.1'	water	rock 45 44	52°39' 130°29'
117	1119 / 9/4/70	rock near edge of reef	+0.8'	water	rock 45 44	53°20' 133°29'
118	1123 / 9/4/70	edge of reef	0'	water	rock 48 45	26°56' 25°55'
119	1126 / 9/4/70	channel in reef	0'	water	rock 48 45	26°51' 22°47'
120	1129 / 9/4/70	edge of reef w/mud layer on top	+0.1'	water	rock 48 45	27°02' 25°55'
121	1156 / 9/4/70	stream edge	0'	water	rock 45 44	45°15' 100°10'
122	1200 / 9/4/70	mid-stream rock	0'	water	rock 45 44	43°40' 98°11'
123	1016 / 9/17/70	ledge of reef	+1.0'	water	rock 45 44	66°39' 100°41'
124	1019 / 9/17/70	ledge of reef	+1.0'	water	rock 45 44	69°55' 94°52'

F[illegible] EDIT DATA

T-12340

FIX NO.	TIME / DATE	OBJECT	HEIGHT (DEPTH)	DATUM	LOCATION SIGNALS	LOCATION ANGLES
126	1025 / 9/17/70	edge of reef	+3.0'	mllw	rock 45 44	70° 37' 92° 39'
127	1027 / 9/17/70	edge of reef	+3.0'	mllw	rock 45 44	71° 25' 87° 35'
128	1028 / 9/17/70	edge of reef	+3.0'	mllw	rock 45 44	73° 32' 81° 52'
129	1030 / 9/17/70	edge of reef	+2.0'	mllw	rock 45 44	72° 58' 79° 31'
130	1034 / 9/17/70	edge of reef around bay	+1.5'	mllw	rock 45 44	75° 31' 72° 40'
131	1037 / 9/17/70	middle of stream	+0.5'	mllw	rock 45 44	73° 47' 69° 37'
132	1041 / 9/17/70	west bank of bay	+1.0'	mllw	rOck 45 44	69° 56' 70° 35'
133	1055 / 9/17/70	edge of bay	0'	water	rock 45 44	52° 57' 105° 36'
134	1056 / 9/17/70	SW edge of bay	0'	water	rock 45 44	54° 28' 107° 36'
135	1102 / 9/17/70	SE edge of bay	0'	water	rock 45 44	59° 24' 109° 09'
136	1105 / 9/17/70	edge of bay	+1.0'	mllw	rock 45 44	62° 42' 103° 14'
137	1106 / 9/17/70	edge of bay	+1.0'	mllw	rock 45 44	62° 13' 108° 14'
138	1108 / 9/17/70	south ledge of bay	+1.0'	mllw	rock 45 44	61° 22' 113° 18'

...AL EDIT DATA

T-1234

FIX NO.	TIME / DATE	OBJECT	HEIGHT (DEPTH)	DATUM	LOCATION SIGNALS	LOCATION ANGLES
144	1127 / 9/17/70	where stream narrows		water	Rock 45 44	79° 46' 98° 48'
147	1135 / 9/17/70	midstream	+2.0'	water	Rock 45 44	87° 23' 99° 02'
150	1144 / 9/17/70	point where stream narrows		water	Rock 45 44	112° 54' 85° 46'
151	1146 / 9/17/70	edge of stream	+1.0'	water	48 45 44	89° 43' 81° 33'
152	1149 / 9/17/70	edge of stream	+1.0'	water	48 45 44	90° 04' 80° 02'
153	1152 / 9/17/70	edge of reef	0	water	48 45 44	97° 42' 73° 16'
154	1154 / 9/17/70	edge of reef	0	water	48 45 44	102° 43' 69° 05'
155	1156 / 9/17/70	edge of reef	0	water	48 45 44	107° 44' 66° 14'
156	1159 / 9/17/70	ledge of reef	0	water	47 45 44	109° 03' 55° 27'
157	1209 / 9/17/70	edge of reef	0	water	47 45 44	67° 45' 95° 29'
158	1212 / 9/17/70	ledge of reef	+2.0'	water	47 45 44	54° 00' 107° 18'
159	1215 / 9/17/70	ledge of reef	+4.0'	water	47 45 44	52° 04' 107° 06'
160	1216 / 9/17/70	edge of reef	0	water	48 45 44	56° 02' 113° 46'

FIELD EDIT DATA

T-12340

FIX NO.	TIME / DATE	OBJECT	HEIGHT (DEPTH)	DATUM	LOCATION SIGNALS	LOCATION ANGLES
161	1219 / 9/17/70	edge of reef	0'	water	48 45 44	51°40' 116° 08'
162	1221 / 9/17/70	edge of reef	0'	water	48 45 44	47°19' 120°33'
163	1224 / 9/17/70	edge of reef	0'	water	rock 45 44	71°50' 121°00'
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ADDENDUM TO COMPILATION REPORT

T-12340

Field Edit

Field edit was adequate. All questions posed by the compilation office were answered. Extensive changes of the reef edge were made in compliance with the field edit. Delineation of all offshore reefs and islands had to be altered or initially constructed.

Review Report T-12340
Shoreline Survey
May 1976

62. Comparison with Registered Topographic Surveys - None

63. Comparison with Maps of Other Agencies

USGS Quadrangles Iliamna (A-4) Alaska, and Iliamna (A-3) Alaska, scale 1:63,360, dated 1964.

64. Comparison with Contemporary Hydrographic Surveys

H-8962 1:20,000 1975

The mean lower low water line was removed from the manuscript where clearly disproved by soundings.

The reef at approximate latitude 59°05' and longitude 153°54' was removed as the result of inadequacies found in the field fixes. The reef is shown on the hydrographic survey.

65. Comparison with Nautical Charts

Chart No. 8554, 1:200,000, 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.

Submitted by,

J. B. Phillips

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division

(28)

GEOGRAPHIC NAMES
Ph 6301 (Cook Inlet, Alaska)

T-12340

Kamishak Bay

~~Cook Inlet~~

A. J. Wraight
A. J. Wraight
Geographic Names

FORM C&GS-[redacted]
(3-64)
USCOMM-DC
6659-P64

U.S. DEPARTMENT OF COMMERCE
COAST AND GEO[redacted] SURVEY

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 12340 PROJECT NO: 21062 SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y COORDINATE LONGITUDE OR X COORDINATE	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Ft. = 3048006 meter) FORWARD (BACK)
			59° 03' 48.06"	
SHALE, 1964	Unadjusted field	N.A.1927	153 49' 44.40	
ECHO, 1964	positions.	"	59 03 31.72	
			153 58 20.44	

COMPUTED BY: DNW. DATE: 4-1-65 CHECKED BY: RHM. DATE: 4-1-65

(67)