

T- 12317

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-12317 .....

Classification No. FINAL ..... Edition No. 1 .....

(Field edited map)

### LOCALITY

State ..... Alaska .....

General Locality ..... Kamishak Bay, Cook Inlet .....

Locality .....  
.....  
.....

1962 TO 1973

### REGISTRY IN ARCHIVES

DATE .....

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## DESCRIPTIVE REPORT - DATA RECORD

T -12317

## PROJECT NO. (II):

PH-6301

## FIELD OFFICE (II):

None

## CHIEF OF PARTY

## PHOTOGRAMMETRIC OFFICE (III):

Atlantic Marine Center, Norfolk, Virginia

## OFFICER-IN-CHARGE

J. Bull, Director

## INSTRUCTIONS DATED (II) (III):

March 18, 1965 - Office, Part I  
Feb. 10, 1966 - Office, Supplement I  
May 5, 1967 - Office, Supplement II  
Dec. 27, 1967 - Office, Supplement III

## METHOD OF COMPILATION (III):

Wild B-8 plotter

## MANUSCRIPT SCALE (III):

1:20,000

## STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:10,000 pantographed to 1:20,000

## DATE RECEIVED IN WASHINGTON OFFICE (IV):

## DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

## APPLIED TO CHART NO.

## DATE:

MAR 29 1976

## DATE REGISTERED (IV):

R. Francis

## GEOGRAPHIC DATUM (III):

N.A. 1927

## 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

~~MEAN LOWER LOW WATER~~ mean lower low water

## REFERENCE STATION (III):

ISLE, 1913

## LAT.:

59°38'22.349" 691.6M

## LONG.:

153°26'07.754" 121.5M

☒ ADJUSTED☐ UNADJUSTED

## PLANE COORDINATES (IV):

y = 2,060,625.85ft.

x = 604,460.55 ft.

## STATE

Alaska

## ZONE

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.

DESCRIPTIVE REPORT - DATA RECORD

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FIELD INSPECTION BY (III): None		DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Office interpretation of photography, flown July 9, 1967		
PROJECTION AND GRIDS RULED BY (IV): A. Bethea		DATE 2/19/68
PROJECTION AND GRIDS CHECKED BY (IV): L.F. VanScoy		DATE 2/27/68
CONTROL PLOTTED BY (III): J. Steinberg		DATE 3/1/68
CONTROL CHECKED BY (III): F. Wilson		DATE 3/1/68
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): P.J. Dempsey		DATE 1/22/68
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY A.L. Shands Reviewed by C.H. Bishop	DATE 7/29/68 7/29/68
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): A.L. Shands		DATE 8/6/68
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): Compilation L.L. Graves Field Edit F.P. Margiotta		DATE 9/13/68 8/9/71
REMARKS: Field edit by Richard D. Olson, 1969 John A. Murphy, 1973		

## DESCRIPTIVE REPORT - DATA RECORD

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CAMERA (KIND OR SOURCE) (III):

USC&amp;GS Type "M"

## PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
67M871 - 873	7/9/67	0939	1:60,000	1.9 ft. below MLLW
67M848 - 850	7/9/67	0912	1:60,000	2.4 ft. below MLLW
62W6235-6238	6/62	1146	1:15,000	1.1' above MLLW
62W6241-6247	6/18/62	1152	1:15,000	1.4' above MLLW
62W6273 & 6282	6/18/62	1207	1:15,000	2.2' above MLLW

Predicted

TIDE (III)

Diurnal

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Seldovia, Kachemak Bay, Alaska		15.4	17.8
SUBORDINATE STATION: Iliamna Bay, Alaska		12.3	14.5
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV):

J. B. Phillips

DATE:

January, 1976

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

3

RECOVERED:

3

IDENTIFIED:

3

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

None

RECOVERED:

None

IDENTIFIED

None

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

None

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

None

REMARKS:





5A

# SUMMARY

T-12317 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 1969 and 1973

Final review was accomplished at the Rockville Office in Jan. 1976

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

T-12317

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation complete pending field edit		
Alongshore area for hydro	July 1968	Superseded
Partial field edit applied	April, 1970	Superseded
Field Edit Complete Compilation Complete	April 1974	

FIELD INSPECTION

~~III~~-T-12317

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification of the horizontal control necessary for the aerotriangulation of the project.

(7)

PHOTOGRAMMETRIC PLOT REPORT  
Job PH-6301  
Kamishak Bay, Alaska

January 22, 1968

21. Area Covered

This report covers the northern part of Kamishak Bay, Alaska, consisting of thirteen (13) 1:20,000 scale map manuscripts -- T-12315 thru T-12319, T-12326 thru T-12331, T-12334 and T-12335, and six (6) 1:10,000 scale map manuscripts -- T-12320 thru T-12325.

22. Method

Analytic aerotriangulation methods were used to bridge strips 1, 2 and 3 at 1:60,000 scale using premarked and field identified control. Numerous tie points were located to control strips 41, 42 and 43, which were bridged by stereoplanigraph.

The attached sketch of strips bridged shows the placement of triangulation used in the final strip adjustments. Closures to control are shown on the IBM readouts along with all the bridge points.

23. Adequacy of Control

Horizontal control was adequate for bridging strips 1, 2 and 3. Strips 41, 42 and 43 were bridged using tie points and are adequate. The premarked paneling at Station OIL, 1913 was removed prior to photography and could not be identified. Station TENDER, 1967 fell off of model and was not used. SKIN, 1967, Subpoint A and Subpoint B, were too poor to read and were not used in the adjustment.

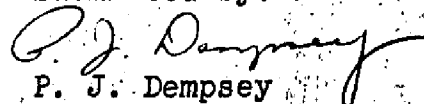
24. Supplemental Data

Vertical control needed for the adjustment was taken from USGS quadrangles.


25. Photography

The definition and quality of the RC-9 and RC-8 photography were good. Ratio prints have been ordered to compilation scale.

Submitted by:

  
P. J. Dempsey

Approved and forwarded:

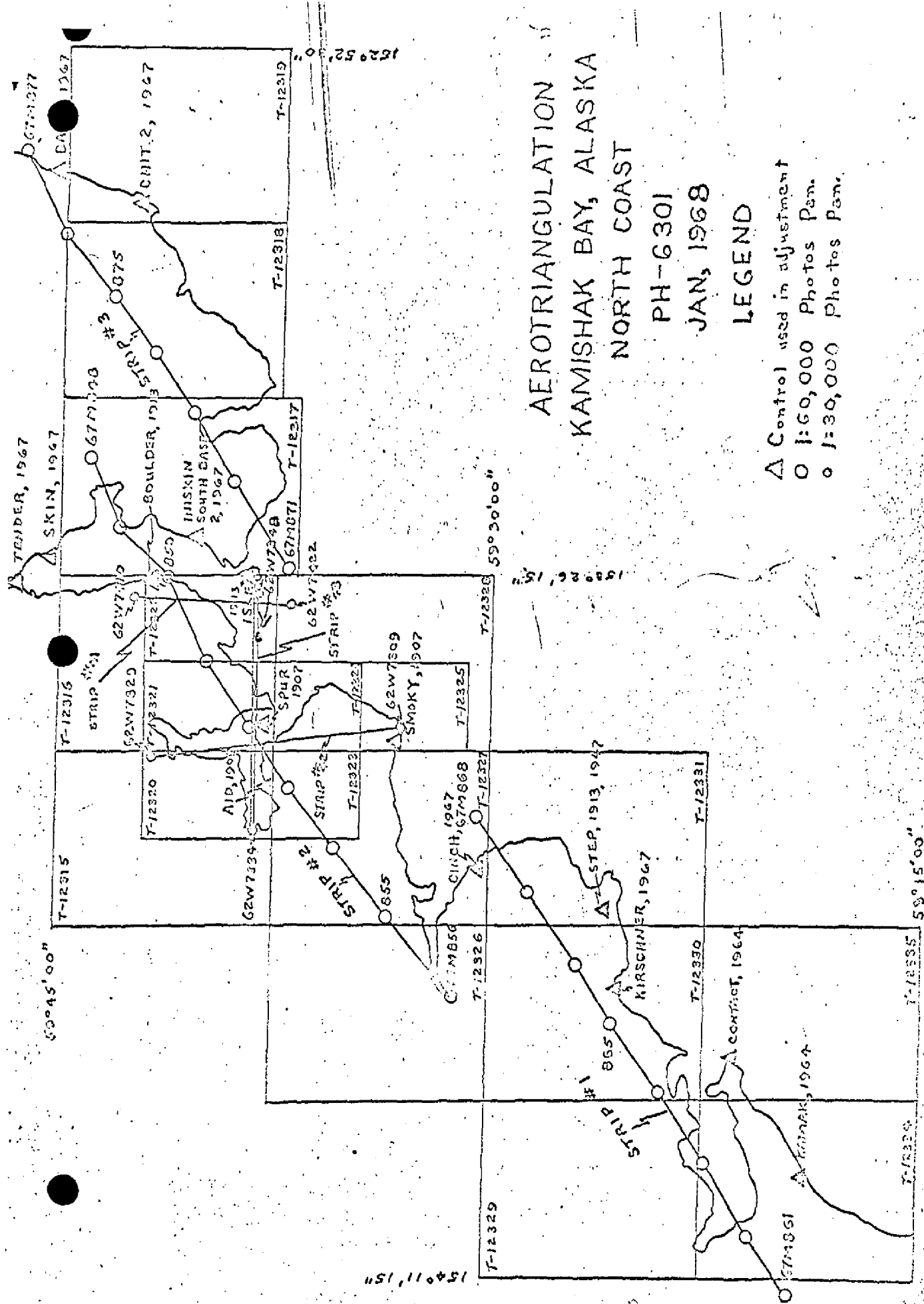
  
H. P. Eichert, Chief  
Aerotriangulation Section

# AEROTRIANGULATION KAMISHAK BAY, ALASKA NORTH COAST

PH-6301  
JAN, 1968

## LEGEND

- Δ Control used in adjustment
- 1:60,000 Photos Pan.
- 1:30,000 Photos Pan.



CONTROL

Refer to Photogrammetric Plot Report, dated January 22, 1968.

Difficulty in holding control established by stereoplanigraph bridging of strips 41, 42, and 43 was encountered, initially. They were returned to the Bridging Section and their subsequent re-adjustment resulted in "Revisions" for strips 41 and 43.

Strip 42 had been compiled with little or no difficulty concerning the control. Although strip 41 also was compiled utilizing the original Bridge Strip, the comparison between the original and "Revised" strip #41 indicated a maximum change of approximately 0.3mm which proved to be of an insignificant effect. The compilations of these two strips were summarily considered to be of sufficient accuracy. Both of these strips were oriented in a general north-south direction.

The results of the "Revision" of strip 43 proved to be of a major change, and inasmuch as this strip was oriented in an east-west direction, intersecting both strips 41 and 42, an attempt to tie these together at their common models resulted in an error of tie-in between drilled pass points of strip 43 and shoreline pass points common to all strips.

When model 62W-7343 and 7346, of strip #43 was set, it was found that six of the seven drilled pass points would hold within tolerance, but none of the adjoining shoreline pass points from strips 41 and 42 would hold. When this model was re-scaled to all common shoreline points, the drilled points would not hold.

This same condition existed when model 62W-7334 and 7337 was set. Drilled pass points held within tolerance, but no common shoreline pass points between strip 42 and this model would hold.

It was evident at this time that no model work could be compiled from strip 43.

To further substantiate our decision, all five manuscripts were joined and a modified radial plot consisting of several processed ratio photos of each of strips 41, 42, and 43 was laid.

It was noted during this plot, that the tie points (from the stereoplanigraph bridges), and the field identified triangulation control, would hold well with the common shoreline pass points, but the drilled points would not. (A few of the drilled points at or near sea level were noticeably closer than those at the higher elevations.)

It was concluded therefore that strips 41 and 42 were tied together well and were geographically correct, and that a graphic solution and compilation of the two models in question on strip 43 could be made using the common shoreline pass points.

Report  
Compilation Record  
Map Manuscript T-12317  
Project PH-6301

31. Delineation

The Wild B-8 stereoplotter was used. The offshore flight of 62-W reduction ratios was used as an aid in compiling the MHWL.

There was no field inspection.

32. Control

See Photogrammetric Plot Report dated January 22, 1968

33. Supplemental Data - None

34. Contours and Drainage

Contours are inapplicable. Drainage was delineated from office interpretation of the photographs.

35. Shoreline and Alongshore Details

The shoreline, MLLWL, rocks, and ledges were delineated from office interpretation of the photographs.

36. Offshore Details

All rocks, reefs, foul, ledge, and islands were delineated from office interpretation of the photographs.

37. Landmarks and Aids - None



38. Control for Future Surveys - None

39. Junctions

Junctions were made with T-12316(1:20,000) T-12322(1:10,000) to the west, T-12318 to the east and there are no contemporary surveys to the north and south.

40. Horizontal and Vertical Accuracy - No statement.

41. thru 45. Inapplicable

46. Comparison with Existing Maps

Comparison was made with USGS quadrangles ILIAMNA (C-1), ALASKA and ILIAMNA (C-2), ALASKA both dated 1958 and scale 1:63,360.

47. Comparison with Nautical Charts

Comparison was made with USC&GS chart No. 8554, 9th edition (Cook Inlet, Southern Part) scale 1:200,000, dated May 10, 1965.

Items to be Applied to Nautical Charts Immediately -None

Items to be Carried Forward: None

Submitted by,

Arnold L. Shands  
Carto Tech  
March 1969

Approved:

FIELD EDIT REPORT

SHEET T-12317

INISKIN BAY

PH-6301

JUNE 1969

USC&GSS PATHFINDER

CAPT E. A. TAYLOR, 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 April 15, 1969. Sextant fixes were used to verify and locate objects that could not be seen 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.

### 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. Geographic positions are given for each signal.

All fixes taken during the field edit are identified by number on the Field Edit Ozalid. The control and angles for each fix are listed on an attachment to the ozalid. This data is also a part of this report.

*Richard D. Olson*  
Richard D. Olson  
ENS, USESSA  
Photo Officer

Approved:

*E. A. Taylor*  
E. A. Taylor  
CAPT, USESSA  
Commanding Officer

## ORIGIN OF HORIZONTAL CONTROL

Signal	Origin
001	△ ENTERENCE 1913
002	T-12322
003	T-12322
004	T-12322
007	T-12322
010	T-12322
013	1 m. North of △ BOULDER 1913
016	△ LEDGE
028	T-12322
029	T-12322
030	T-12322
031	T-12322
032	T-12322
034	T-12322
037	RM1 of △ INISKIN SOUTH BASE 2 1967
040	PF 10-1-69-A HYDRO.
043	PF 10-1-69-A HYDRO.
045	△ SKIN 1967

PF 10-1-69

OPR 429 AREA Iniskin Bay

VESSEL ALL

DAY ALL

POSITION ALL TO —

TYPE OF TAPE Visual Hydro.

Signal Control Data.

001 59 38 0870✓ 153 28 0788✓

002 59 38 1494✓ 153 28 0329✓

003 59 38 1709✓ 153 28 0291✓

004 59 39 0541✓ 153 27 0182✓

007 59 40 0331✓ 153 27 0607✓

010 59 40 1839✓ 153 27 0257✓

013 59 41 1427✓ 153 26 0468✓

016 59 43 0106✓ 153 26 0468✓

028 59 38 0461✓ 153 25 0713✓

029 59 38 0561✓ 153 24 0847✓

030 59 37 1716✓ 153 26 0333✓

*New position  
B. 10.10.69 10.10.69 1232Z*

031 59 38 1158✓ 153 26 0462✓

032 59 38 1039✓ 153 25 0342✓

034 59 39 0600✓ 153 24 0536✓

037 59 40 0379✓ 153 23 0251✓

040 59 41 0309✓ 153 23 0135✓

043 59 42 1745✓ 153 22 0664✓

045 59 45 0221✓ 153 24 0720✓

CL R.D.D.

Field Edit Data  
T-12317

							Location	
Fix No	Time Zone 135°W Time	Object	height/ depth	Datum			L* R* CK*	Signals
4861		submerged rock	- 5'	MLLW				
		See hydro. between fixes 4861 & 4862 1969 hydrography						
5003		submerged Rock	- 3'	MLLW				
		See hydro. between fixes 5003 & 5004 1969 hydrography						
June 16, 1969								
Day 167	6001	0928	center of 30' diam. Reef	+ 1 1/2'	Water		69°14' 67°49'	037 004 013
	6003	0952	Rock	+ 0'	Water		77°44' 98°04'	034 010 040
	6004	1000	North edge Reef	- 1/2'	Water		84°20' 105°29'	S
	6005	1006	South edge Reef	+ 1'	Water		77°06' 93°47'	S
	6006	1011	Rock	+ 1/2'	Water		78°06' 71°08'	S
	6007	1017	West edge Reef	- 1/2'	Water		87°56' 107°42'	S
	6008	1022	center of Reef	+ 1/2'	Water		87°10' 105°54'	S
	6009	1026	Reef	+ 0'	Water		86°04' 102°16'	S
	6010	1030	Rock	+ 1/2'	Water		87°09' 101°28'	S
	6011	1037	Rock	+ 1/2'	Water		83°16' 70°18'	S
	6012	1040	Rock	+ 1/2'	Water		84°05' 90°08'	S
	6013	1045	Rock	+ 0'	Water		85°03' 91°15'	S

						Location	
	Fix No	Time 135°W	Object	height/ depth	Datum	LX RA CKX	Signals
Day 167	6014	1101	Rock	+3'	Water	82°44' 72°32'	034 010 040
	6015	1112	Rock	+2'	"	75°59' 66°41'	S
	6016	1124	Rock	+0'	"	83°36' 66°27'	S
	6017	1130	Rock	+1'	"	89°30' 63°38'	S
June 17, 69							
Day 168	6018	0908	Rock	+5'	"	78°27' 51°56'	032 004 010
	6019	0915	Rock	+0'	"	101°32' 51°52'	S
	6020	0917	Rock	+0'	"	100°56' 51°34' 54°45'	S 031-032
	6021	0926	Rock	+1/2'	"	112°23' 53°18' 60°12'	S S
	6022	0930	Rock	-1'	"	113°40' 52°47' 61°45'	S S
	6023	0936	Rock	+0'	"	113°03' 52°17' 61°58'	S S
	6024	0944	Rock	+0'	"	97°51' 51°12' 52°57'	S S
	6025	0947	Rock	+0'	"	104°09' 50°37' 58°10'	S S

Fix No	Time Zone 135°W	Object	Height / Depth	Datum			Location	
							Lt Rt CK*	Signals
6026	0954	Rock	+ 1/2'	Water			95°08'	032 004
							50°06'	010
							52°07'	31-32
6027	1002	Rock	+3'	"			13°48'	031
							27°31'	001 004
							22°34'	31-02
6031	1030	Rock	+4'	"			99°04'	032 004
							135°03'	034
							48°54'	32-31
6032	1120	edge of water on mud flat (O. bath. corva)					51°21'	032 031
							42°21'	004
							28°38'	001-004
6033	1126	"	"	"			61°27'	S
							38°51'	S
							30°40'	S
6034	1140	Rock	+1'	Water			See T-12317	
June 19, 59 6035	0950	Rock	+5'	"			# Photo 67MB71	
Day 120 6036	1050	Rock	+7'	"				
6037	1052	"	+16'	"				
6038	1055	Islet	+20'	"	Located at Signal	032		
6039	1057	Rock	+4'	"				
6040	1102	"	+7'	"				
6041	1103	Ledge	+0'	"				
6042	1106	Rock	+9'	"				
6043	1107	Rock	+6'	"				
6044	1108	Islet	+20'	"				
6045	1114	Rock	-1'	"				
6046	1114	Rock	+1'	"				
6047	1118	Rock	-1 1/2'	"				
6048	1122	Rock	+6'	"				
6049	1125	High point of Reef	+9'	"				
6050	1127	Rock	+0'	"				
6051	1130	High point of reef	+13'	"				
6052	1135	Foul area	all below water at this time					
6053	1209	High Point of Reef	+5'	Water				
6054	1209	"	+2'	"				
6055	1210	"	+6'	"				
6056	1211	"	+8'	"				Y



							Location	
	Fix No	Time 135°W	Object	Height/ Depth	Datum		Lt Rt Ct	Signals
June 27, 69	6095	0806	Center 30' Reef	+1'	Water		75°36' 39°27'	040 013 016
Day 178								
	6096	0815	Rock	+0'	"		75°09' 38°15'	S
	6097	0819	Rock	+3'	"		72°31' 38°01'	S
	6098	0824	Rock	+1'	"		72°52' 37°21'	S
	6099	0835	Rock	+2'	"		68°00' 36°44'	S
	6100	0843	Rock	+3'	"		70°40' 39°28' 15°01'	S 010-013
	6101	0853	Rock	-1'	"		72°43' 40°17' 15°12'	S S
June 28, 69								
Day 179	6152	0558	Rock	+3'	"		107°37' 51°35' 120°-11'	004 032 029 032-031
	6153	0559	Rock	+4'	"		see T-12317	
	6154	0603	Boulder	+5'	"		28°10' 39°53'	031 004 010
	6155	0605	"	+9'	"		28°17' 39°58'	S
	6156	0606	"	+5'	"		28°44' 40°20'	S
	6157	0608	"	+6'	"		29°32' 41°02'	S
	6158	0610	"	+10'	"		32°02' 43°07' 46°13'	S 002-007

Fix No	Time	Object	Height/ Depth	Datum		Location	
						L <sup>t</sup> R <sup>t</sup> C <sup>t</sup> X	Signals
6159	0625	Reef	+0'	Water		88°58'	0283 032
						55°18'	029
						59°16'	028-030
6164	—	Boulder	-2'	L.M.H.W.	20' south of middle of small islet, south of Scott Is.		
6167	0725	30' <sup>φ</sup> Small Reef	+2'	Water	71	74°05'	040 037 034
						80°42'	034
						104°35'	037-031
6168	0729	50' <sup>φ</sup> Reef	+1'	Water		76°59'	S
						83°02'	S
						105°34'	S
June 28, 69 Day		178' <sup>φ</sup> 15' E at W edge of Reef	+2'	Water		89°20'	034 013 016
6401	0740					28°43'	016
						24°47'	013-010
6402	0755	High point of Reef	+2'	Water		See T-12317	
6403	0800	High Point of Reef	+2'	Water		See T-12317	
6404	0815	West edge Reef area	+1'	Water		32°59'	004 010 016
						54°03'	016
						30°14'	004-034
6405	0816	"	+1'	Water		32°28'	S
						54°08'	S
						29°58'	S
6406	0820	Rock	+2'	Water		32°19'	S
						54°36'	S
						30°03'	S
6407	0821	West edge Reef area	+3'	Water		32°08'	S
						54°41'	S
						29°56'	S

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T-12317

Fix No	Time Zone 135°W	Object	Height/ Depth	Datum	Location	
					L R Ck	Signals
6408	0828	West edge Reef area	+2'	Water	30°59' 54°26' 29°03'	004 010 016 004-03
6409	0830	North edge Reef area	+1'	"	30°02' 54°33' 28°30'	S S
6410	0840	Rock	+5'	"	25°29' 30°51' 53°06'	040 004 010 010-016
June 28, 67 Day 179						
6501	0620	West edge Reef area	+0'	Water	108°33' 89°18'	040 016 043
6502	0622	Rock	+3'	"	108°04' 89°19'	S
6503	0630	Edge Reef Area	+0'	"	107°22' 94°35'	S
6504	0634	"	+0'	"	108°31' 100°07'	S
6505	0642	"	+0'	"	106°27' 110°39'	S
6506	0659	NE tip Reef	+3½'	"	107°01' 120°19'	S
6507	0717	Rock	+1½'	"	62°27' 61°26'	013 016 045
6508	0720	Rock	+0½'	"	63°36' 59°11'	S
6509	0730	Rock	+0½'	"	50°12' 71°51'	S
6510	0747	Rock	+3'	"	48°39' 76°25'	S

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						Location	
Fix No	Time Zone Time	Object	Height Depth	Datum		L R CK	Signals
6511	0807	Rock	+2'	Water		41° 08' 59° 46'	013 016 045
6512	0823	Rock	+7½'	"		38° 38' 60° 52'	S
6513	0829	Rock	+6'	"		37° 47' 62° 35'	S
6514	0830	Rock	+6'	"		37° 34' 62° 42'	S
6515	0837	Rock	+4½'	"		36° 52' 63° 00'	S
6516	0840	Rock	+4'	"		36° 47' 63° 34'	S
6517	0845	Edge Reef	+3'	"		35° 58' 65° 07'	S
6518	0848	Edge Reef	+3½'	"		35° 07' 65° 07'	S
6519	0856	Rock	+0½'	"		34° 32' 64° 32'	S
6520	0900	Edge Reef	+2'	"		33° 23' 63° 53'	S
6521	0907	S.W. Edge Reef	+1'	"		32° 48' 63° 58'	S
6522	0910	N.E. Edge Reef	+1'	"		32° 34' 63° 56'	S

FIELD EDIT REPORT

MAP T-12317

OIL BAY, ALASKA

JULY 1973

Field edit of map T-12317 was done by LT(jg) Alan Potok, LT(jg) William Wert, LT(jg) Thomas De Foor, ENS Alan Anderson, and ENS John Murphy during July 1973. Inspection was done from small boats and on foot when fixes on land were required.

METHOD

Field photographs and a copy of the field edit ozalid were examined in the field. Mean high water line verification was done by visual comparison of the shore and the ozalid in the field. Sextant fixes were used for verification and location of rocks and ledges in the 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 good. Hydrographic location of details 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, and then accepted as an advanced manuscript.

Respectfully submitted,

*John A. Murphy*  
JOHN A. MURPHY, ENS NOAA

Approved and forwarded,

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

IX D.	TIME	DESCRIPTION		L ANGLE	R ANGLE	CHK ANGLE	L	C	R	CHK
00	0900	END OF REEF COV 6'	06-15-73	61-00	43-52	18-24	002	301	308	002 - 302
01	0903	EXPOSED RK EDGE OF REEF BR 1'	06-15-73	95-45	66-04	54-35	051	302	308	002 - 302
02	0910	END OF SMALL ISLAND	06-15-73	67-48	99-15	56-32	051	300	308	306 - 306
03	0924	EDGE OF FOUL BR 1/2'	06-15-73	69-42	128-34		051	301	003	
04	0930	ON REEF COV 8'	06-15-73	46-30	90-33		051	306	307	
05	1010	EDGE OF REEF COV 4'	06-15-73	81-14	63-21		S	S	S	
06	1012	END OF RK BR 7'	06-15-73	78-47	68-30		051	302	309	
07	1014	END OF RK BR 6'	06-15-73	53-44	99-00	44-37	051	300	309	305
08	1015	EDGE OF REEF COV 3'	06-15-73	73-32	105-03		308	305	320	
09	1022	COV 4'	06-15-73	75-17	76-41		309	301	307	
10	0850	END OF REEF, AWASH	06-16-73	91-00	51-17		309	313	315	
11	0857	EDGE OF REEF, COV 4'	06-16-73	47-34	46-27		309	306	314	
12	0903	EDGE OF REEF, COV 4'	06-16-73	53-44	51-49		309	306	314	
13	0909	EDGE OF REEF, COV 2'	06-16-73	63-40	59-27		309	305	314	
14	0917	RK BR 4'	06-16-73	69-11	62-27		309	305	314	
15	0919	RK BR 1'	06-16-73	75-13	62-47		S	S	S	
16	0923	AW RK	06-16-73	77-27	60-43		S	S	S	
17	0930	W. END OF REEF, AWASH	06-16-73	67-45	55-45		309	305	314	
18	0934	COV 2'	06-15-73	65-19	78-43		309	305	315	
19	1040	RK BR 1' WITH AW RKS	06-15-73	71-38	115-01	49-11	309	306	319	305 - 305
120	0934	RK COV 1 1/2'	06-16-73	76-16	54-18	25-40	309	306	319	305 - 305
21	0939	N EDGE OF FOUL LINE	06-16-73	119-27	80-18		309	303	314	
22	0948	S. EDGE OF FOUL, COV 1'	06-16-73	37-37	27-45		305	306	307	
23	0955	EDGE OF SHOAL (30M S. OF ISLAND BR 10')	06-16-73	43-51	39-54		303	306	307	
24	1006	E END OF SHOAL (2M OFF ISLAND, BR 15', 50M LONG)	"	94-29	70-26		303	307	315	
25	0900	RK AWASH, FOUL LIMIT	06-15-73	130-24	92-26	95-45	314	307	003	309
26	0950	RK COV 1', FOUL LIMIT	08-01-73	77-41	94-16	61-04	003	307	315	307 - 315
27	0958	RK BR 1'	08-01-73	68-22	92-18	56-43	003	307	315	307 - 315
28	0915	RK AWASH, FOUL LIMIT	08-01-73	89-38	95-50	93-48	003	314	321	319
29	0946	RK COV 3', FOUL LIMIT	08-01-73	71-46	72-13	104-02	003	306	314	315
30	0908	LIMIT OF MUD SHOAL (DEPTH 1.5')	06-15-73	42-03	44-23	122-37	313	315	320	003 - 315
31	0921	SHORELINE	06-15-73	61-53	46-07	124-38	313	315	320	003 - 320
32	0917	LIMIT OF MUD SHOAL	06-15-73	65-30	48-23	130-04	313	315	320	003 - 320
33	0928	SHORELINE	06-15-73	86-36	80-46	127-16	314	320	003	307
34	0937	SHORELINE	06-15-73	119-06	87-12	118-05	003	314	315	315 - 316
35	1013	2' x 8' BOULDER, BR 3'	06-15-73	115-10	70-23	73-27	316	003	314	320
36	1003	FOUL LIMIT	06-15-73	111-04	56-16	70-39	316	003	314	320

STATION NO.	TIME	DESCRIPTION		L ANGLE	R ANGLE	CHK ANGLE	L	C	R	CHK
37	0958	FOUL LIMIT (FROM HERE TO SHORELINE)	06-15-73	116-57	56-02	70-36	316	003	314	320
38	0949	SHORE LINE	06-15-73	74-25	63-06	82-40	320	003	314	315
39	0954	6' x 3' BOULDER BR 2'	06-15-73	120-47	54-50	94-00	316	003	314	315
40	1040	FOUL AREA	06-15-73	64-24	44-42	38-46	320	003	315	313
41	1043	FOUL LIMIT	06-15-73	64-45	53-11	39-26	320	003	315	313
42	0900	RK BR 3' 35 M IN DIA.	08-01-73	65-36	22-40	49-50	320	003	303	314
43	1038	E. END OF FOUL LIMIT	06-15-73	45-51	66-39	124-47	316	320	003	315
44	0852	RK BR 1'	08-01-73	73-02	85-08	58-23	320	003	315	314
45	1015	FOUL LIMIT, RK AWASH	08-01-73	34-00	114-31	103-36	315	317	321	318
46	1020	FOUL LIMIT, RK AWASH	08-01-73	93-08	39-34	79-27	316	318	321	317
47	1030	FOUL LIMIT, RK BR 1'	08-01-73	39-55	91-15	75-13	316	318	321	319
48	0950	FOUL LIMIT	06-16-73	25-08	71-09	101-09	314	315	321	003
49	1020	RK AWASH 10M DIA.	06-16-73	25-55	75-47		314	315	321	
50	0955	FOUL LIMIT	06-16-73	95-34	85-28	22-59	315	320	320	316
51										
52	1010	RK, 40 M LONG, BR 2'	06-16-73	101-19	49-27	20-00	003	316	320	315
53	1005	FOUL LIMIT	06-16-73	26-19	74-41	68-49	313	315	312	003 315
54	0846	EDGE OF REEF	07-02-73	82-26	38-13	47-00	003	312	319	321
55	0850	AWASH LEDGE	07-02-73	75-33	40-36	48-03	003	312	319	321
56	0855	AWASH RK	07-02-73	87-43	52-30	61-10	003	312	319	321
57	0904	LEDGE, COV 4'	07-02-73	44-01	59-35	69-08	003	312	319	321
58	0915	N. EDGE OF LEDGE COV 4'	07-02-73	55-30	60-16	69-42	003	312	319	321
59	0927	RK ISLAND, AWASH	07-02-73	53-04	61-52	71-09	003	315	319	321
60	0927	RK ISLAND 60M x 10M BR 10'	07-02-73	24-57	33-07	39-45	003	312	316	317
61	0935	AWASH RK	07-02-73	50-12	58-26	69-15	003	315	319	321
62	0945	EDGE OF REEF COV 6'	07-02-73	50-05	61-08	73-17	003	315	319	321
63	0950	SMALL RK ISLET BR 10'	07-02-73	48-28	57-50	70-21	003	315	319	321
64	0958	E. END OF REEF BR 2'	07-02-73	49-08	41-54	54-58	003	316	319	321
65	1005	RK AWASH	07-02-73	43-52	34-09	47-15	003	316	319	321
66	1009	S. END OF LARGE BR REEF BR 6'	07-02-73	37-36	38-30	52-24	004	316	319	321
67	1012	S. SIDE OF REEF BR 4' (FIX 20M S. OF REEF)	07-02-73	38-30	36-55	49-55	003	316	319	321
68	1021	S. SIDE OF REEF BR 15' (FIX 30M S. OF REEF)	07-02-73	37-39	09-12	34-58	003	315	317	319
69	1027	E. END OF BR REEF	07-02-73	43-16	23-21	37-05	003	317	319	321
70	1030	COV 2'	07-02-73	43-48	25-15	40-56	312	317	319	321
71	1035	20M OFF 60M WIDE RK, BR 4' (SEE PHOTO-6241)	07-02-73	40-59	20-46	34-57	S	S	S	S
72	1043	EDGE OF FOUL	07-02-73	37-22	10-10	20-12	312	317	319	321
73	1051	E. END OF REEF BR 3'	07-02-73	44-07	79-20	37-05	312	321	325	003
74	1056	N. SIDE OF REEF BR 1'	07-02-73	51-56	82-42	42-52	S	S	S	S

DESCRIPTION			DATE	L ANGLE	R ANGLE	COR ANGLE				
75	1059	N. SIDE REEF (COV. 5')	07-02-73	65-55	<del>67-43</del> 82-42	<del>57-28</del> 47-52	312	321	325	003
76	1057	N. SIDE REEF (COV. 4')	07-02-73	46-22	19-33	38-06	312	317	319	321
77	1125	MIDDLE OF ROCKY AREA COV. 1'-3'	07-02-73	49-30	28-15	47-08	312	317	319	321
78	1017	W. END OF REEF COV. 6'	✓ 06-17-73	35-20	82-01		312	322	325	
79	1036	S. SIDE OF REEF COV. 6'	06-17-73	25-26	82-47		312	322	325	
80	1034	N. SIDE OF REEF COV. 4'	06-17-73	23-18	89-57		312	322	325	
81	1038	N. SIDE OF REEF COV. 4'	06-17-73	82-45	59-31		322	325	337	
82	1100	S. SIDE OF REEF COV. 4'	06-17-73	75-15	62-02		322	325	337	
83	0951	RK. BR 15' 50M X 20M	06-17-73	30-52	50-44		325	331	337	
84	0946	S.E. EDGE OF REEF COV. 2'	06-17-73	44-52	52-24		325	331	337	
85	0942	E. END OF REEF COV. 2'	✓ 06-17-73	48-24	53-32		325	331	337	
86	1024	RK. COV. 6'	✓ 06-17-73	113-24	23-33		322	325	335	
87	0925	OUTER LIMIT FOUL AREA COV. 2'	06-17-73	29-43	17-24		333	337	340	
88	0950	OUTER LIMIT FOUL AREA RK. AWASH	06-17-73	33-02	49-32		331	333	340	
89	1000	OUTER LIMIT FOUL AREA COV. 1'	06-17-73	34-06	50-32		331	333	340	
90	1010	OUTER LIMIT FOUL AREA COV. 2' ✓	✓ 06-17-73	36-04	54-12	51-30	331	333	340	339
91	1020	RK. AWASH, OUTER LIMIT FOUL AREA	06-17-73	38-55	52-52	50-10	331	333	340	339
92	1030	OUTER LIMIT FOUL AREA, COV. 2'	06-17-73	41-14	54-36	51-50	331	333	340	339
93	1040	OUTER LIMIT FOUL AREA, COV. 1'	06-17-73	47-46	52-20	78-28	331	333	339	348 335
94	1045	OUTER LIMIT FOUL AREA, ROCK AWASH	06-17-73	50-10	54-50	45-28	331	333	339	337
95	1055	OUTER LIMIT FOUL AREA, ROCK AWASH	06-17-73	51-22	52-40	44-00	331	333	339	337
96	1020	EDGE OF FOUL	07/01/73	52-56	54-22	43-15	331	333	340	337
97	1026	AWASH RK	07-01-73	57-08	51-40	42-08	S	S	S	S
98	1032	RK BR 2'	07-01-73	59-44	49-09	40-37	S	S	S	S
99	1040	EDGE OF FOUL, COV. 2'	07-01-73	<del>67-48</del> 46-37	50-46	125-46	331	333	340	327
100	0958	RK AWASH, FOUL LIMIT	06-17-73	44-19	52-52	85-00	325	328	331	334
101	1004	LIMIT OF ROCKS	06-17-73	44-22	49-00	65-42	325	328	331	334
102	1020	RK. AWASH	07-02-73	83-06	69-36	60-19	331	337	340	339
103	0949	FOUL LIMIT, ROCK BARES 2'	<del>06</del> 07-17-73	119-53	86-14	39-38	340	325	336	328
104	1015	RK. BARES 1' IN FOUL AREA	07-02-73	130-01	86-55	77-36	327	337	340	339
105	1010	COV. 3', OUTER LIMIT LEDGE AREA	07-02-73	67-02	79-41	70-30	331	337	340	337
106	1000	RK, BARES 3', CONNECT TO SHORE FOUL AREA	07-02-73	119-53	74-43	47-11	340	325	337	324
107	0950	RK, OUTER LIMIT, FOUL AREA BARES 1'	07-02-73	65-57	139-20	82-34	327	337	339	325
108	0938	RK, OUTER LIMIT, FOUL AREA COV. 1'	07-02-73	88-17	119-56	111-14	327	337	340	325
109	0935	RK, Outer LIMIT, FOUL AREA COV. 3'	07-02-73	94-00	107-15	111-14	327	337	340	325
110	0930	RK, Outer LIMIT, FOUL AREA COV. 1'	07-02-73	39-16	96-34	92-21	331	337	340	333
111	0920	RK. ledge, OUTER LIMIT, FOUL AREA COV. 2'	07-02-73	74-47	124-54	115-28	325	331	340	339



TIME ZONE, 135°W

T-12317

(26) 4/4

[illegible]

FORM C&GS-1002 (9-66)		U.S. DEPARTMENT OF COMMERCE ESSA COAST AND GEODETIC SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW T-12317			
1. PROJECTION AND GRIDS LLG	2. TITLE LLG	3. MANUSCRIPT NUMBERS LLG	4. MANUSCRIPT SIZE
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY LLG	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) XX		7. PHOTO HYDRO STATIONS XX
8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES XX	10. PHOTOGRAMMETRIC PLOT REPORT W.S.C. by H.P.E.	11. DETAIL POINTS LLG
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE LLG	13. LOW-WATER LINE LLG	14. ROCKS, SHOALS, ETC. LLG	15. BRIDGES XX
16. AIDS TO NAVIGATION XX	17. LANDMARKS XX	18. OTHER ALONGSHORE PHYSICAL FEATURES LLG	19. OTHER ALONGSHORE CULTURAL FEATURES XX
PHYSICAL FEATURES			
20. WATER FEATURES LLG	21. NATURAL GROUND COVER XX		22. PLANETABLE CONTOURS XX
23. STEREOSCOPIC INSTRUMENT CONTOURS XX	24. CONTOURS IN GENERAL XX	25. SPOT ELEVATIONS XX	26. OTHER PHYSICAL FEATURES LLG
CULTURAL FEATURES			
27. ROADS XX	28. BUILDINGS XX	29. RAILROADS XX	30. OTHER CULTURAL FEATURES XX
BOUNDARIES			
31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES LLG	34. JUNCTIONS T-12318 LLG T-12316(partial)LLG		35. LEGIBILITY OF THE MANUSCRIPT LLG
36. DISCREPANCY OVERLAY LLG	37. DESCRIPTIVE REPORT LLG	38. FIELD INSPECTION PHOTOGRAPHS XX	39. FORMS LLG
40. REVIEWER L.L.Graves Sept. 13, 1968		SUPERVISOR, REVIEW SECTION OR UNIT	
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 B.L.Barge 4/6/70 Reviewer F.P.Margiotta 8/9/71 Compiler C.Blood 3/74 Reviewer J.R.Minton 3/74		SUPERVISOR A.L.Rauck, Jr.	
43. REMARKS Field Edit applied from field edit ozalid T-12317 and photo party mylar sheet 30039 and additional data sheet attached to the ozalid. Field edit applied from field edit ozalid T-12318 which covered this sheet, 3/74			

Review Report T-12317  
Shoreline Survey  
January 1976

61. General Statement

Parts of three(3) contemporary hydrographic surveys, in various stages of completion at the time of this review, cover the mapped area as follows:

- H-9071 (reviewed and inspected)
- H-9328 (reviewed but not inspected)
- H-9379 (boat sheet)

Field edit was accomplished in conjunction with hydrography in June 1969 and July 1973. The field edit reports are included in this Descriptive Report.

Evaluations of the field edit work and application to the photogrammetric manuscript are discussed under heading #64 of this report.

The results of those portions of this review which apply to reviewed hydrographic surveys will be brought to the attention of the Chief, Hydrographic Survey Branch by memorandum. (See copy, page 36A)

For H-9379 (boat sheet stage), a copy of the final reviewed map, the notes concerning application of field edit, and the notes concerning the results of comparison made during this final review, will be forwarded to the PMC. A copy of the Class I manuscript T-12317 and copies of the field edit reports are in the PMC (verified by telephone 1/9/76).

62. Comparison with Registered Topographic Surveys-----

T-3421 1:20,000 1913  
T-3420 Part I 1:40,000 1913

These surveys are superseded by the new map.

63. Comparison with Maps of Other Agencies

Refer to the Compilation Report, item 46.



#### 64. Comparison with Contemporary Hydrographic Surveys

H-9379 1:20,000 Sept. 1973

H-9328 1:10,000 Aug. 1972

Comparison was made with final reviewed survey H-9328 and a copy of the boat sheet for H-9379. That portion of T-12317 covering common areas of these hydro surveys was field edited in 1973.

Included as a part of this Descriptive Report are separate notes as follows: (1) "Notes to the Final Reviewer" <sup>concerning</sup> the application of field edit data and, (2) abstracts of the notes to the reviewer with the final reviewer's comments. *See pages 31 thru 34.*

Hydro signals, which are listed in the field edit report, were used as control for fixes. The reasons for the apparent contradictions in the compiler's notes to the final reviewer, which are noted by the reviewer in the abstracts noted above, are unknown. Positions determined by fixes for some rocks, which were not plotted on the manuscript for the reasons stated in the abstracts, are indicated by the editor on the field edit sheet. Procedures used by the field editor on the other Job PH-6301 maps included plotting fixes on stable base copies and the accurate transfer of the data to the Field Edit Sheet. This procedure was not used for T-12317.

A cartographic comparison print included in this Descriptive Report shows rocks on the photogrammetric survey which were not carried forward to H-9328. ✓

H-9071, 1:10,000 June 1969

Comparison was made with the final reviewed (and inspected) hydro survey. Field edit for the area of common coverage was accomplished in 1969.

Notes submitted by the photogrammetric compiler concerning application of field edit data are included in this Descriptive Report (*page 35*). These notes left much to be desired concerning the procedures used in applying the edit. For example, item (10) of the notes mentions the existence of a "mylar photo party sheet No. 30039", which was not available during final review. For some maps in the project the field editor used this medium for plotting fixes. Apparently this was not the case for this job since many of the rocks were plotted from fixes by the compiler. Hydro signals which were used as control for the fixes are listed in the Field Edit Report.

It is assumed that all references in the compiler's notes concerning "field edit sketches" refer to information shown on the field edit ozalid (sheet).

Comments by the final reviewer on the compiler's notes follow:

(page 35)

Item (1) The significance of the statement concerning "the absence of photo 67M871" was not resolved. The fixes for all rocks indicated by the editor (1969 work) on the field edit sheet were plotted.

Item (2) The rocks listed were plotted (apparently by another compiler.

Item (3) O.K.

Item (4) This rock is shown on the hydrographic survey. Fix data is a part of the hydro survey data.

Items (5),(6),(7),(8), and (9) - no comment necessary

Item (10) These rocks are shown on the hydro and photogrammetric surveys. There are no conflicts.

#### 65. Comparison with Nautical Charts

Chart #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. As noted in this report and referenced data, there are some unresolved discrepancies, the most important of which is accounted for in Item (3) of the final reviewer's notes which are a part of the "Abstract from Notes to Reviewer" concerning the application of field edit accomplished in 1973. (refer to page 34)

Submitted by,

*J.B. Phillips*

J. B. Phillips

Approved: *S.H. Blankenhorn*

for *A.K. Heywood*

Chief, Photogrammetric Branch *AB*

*Chief, Coastal Mapping Division*



PH-6301  
T-12317

Notes submitted by the photogrammetric compiler concerning the application of field edit accomplished in July 1973 - covering an area common with H-9328 and H-9379. Comments by the final reviewer are included in an abstract included in this Descriptive Report. (page 32)

FIX NO.	Reason fix not plotted
103	Hydro signal 051 not located, no check angle
104	Above
105	Above
106	Above
108	Hydro signal 320 not located, no check angle
119	Plotted from left angle and check
120	Fixes no good
122	Signal 307 not located, no check angle
123	Above
124	Above
126	Above
127	Above
129	Above
142	Used booth dropped position
144	Above
153	No height data
154	Above
161	Fix 160 more prominent, too close to 160
165	No height data
167	Plots far from position <sup>indicated</sup> located on the field ozalid
169	No height data
201	Above

James R. Minton 4/9/74

PH-6301  
T-12317

Abstract from "Notes to Reviewer" concerning the application of field edit data (of 1973) submitted April 9, 1974 by the photogrammetric compiler. (Page 31)

Comments by the final reviewer are noted below by asterisk (\*).  
Hydro survey common coverage, H-9379 & H-9328.

Fixes listed by the compiler as "not plotted", but which in fact are shown are believed to have been added by another compiler.

FIX NO.

- 103 - Hydro signal #051 not located, no check angle  
\*The approximate position of fix 103 indicated on the field edit sheet by the editor falls on an office identified rock-located during pre-edit compilation. Rock is retained on the map.
- 104 - Hydro signal #051 not located, no check angle  
\*Fix object, "on reef" approximate position shown on field edit sheet.
- 105 - Same as Fix 104  
\*Fix object, "edge of reef"
- 106 - Same as fix 103  
\*Final reviewers note for fix 103 applies
- 108 - Hydro Signal 320 not located. No check angle  
\*Fix object, "edge of reef" - approximate position shown on field edit sheet
- 119 - Plotted from left angle and check -  
\*rock shown on map by compiler
- 120 - Fix no good  
\*object is a rock - approx. position shown on field edit sheet
- 122 - Signal 307 not located, no check angle
- 123 - " " " " " " "
- 124 - " " " " " " "
- \*fix object 122-edge of foul  
123 " " shoal  
124 " " "

Approx. positions are not indicated on the field edit sheet. Signal 307 was found to be plotted on the field edit sheet at the time of final review. The fixes were not plotted by the final reviewer.



- 126 Same as fix 122 (~~? see below~~) \* rock was plotted by compiler during application of field edit data
- 127 Same as fix 122  
\*The approximate position of fix 127 indicated on the field edit sheet by the editor falls on an office identified rock - located during pre-edit compilation. Rock is retained on the map.
129. Same as fix 122  
\*Fix object "Rock, foul limit" - approximate position shown on field edit sheet
- 142 Office identified position  
\*see (\*127)
144. Office identified position  
\*same as for (\*127)
153. No height data (?see below)  
\*See comments by final reviewer fix #126
154. No height data (?see below)  
\*Fix object, "edge of reef" See comments by final reviewer, fix data #126
- 161 Fix 160 more prominent, too close to 160.  
\*No comment
- 165 No height data (?see below)  
\*rock was plotted by compiler during the application of field edit data
167. Plots far from position indicated on the field ozalid  
\*fix object, "S. side of reef" - approximate position shown on field edit sheet
- 169 No height data  
\*fix object, "E end of bare reef" - approximate position shown in field edit sheet
201. No height data  
\*fix object, "limit of rocks" - approximate position shown on field edit sheet

NOTE: It was found during final review that additional fixes were not plotted.

1. Nos. 121, 130, 131, 132, 133, 134, 137, 138, 140, 141, 143, 148, 151, and 213 - all fixes define limit lines (shoals, foul, and MLLW line). Not plotted during final review.

2. Nos. <sup>631 632</sup> 531, <sup>633</sup> 532, and 533 - approximate positions shown on field edit ozalid by the field editor fall in area field edited in 1969. No fix data available.



3. No.186, a submerged rock, was plotted during final review - located between Oil Reef and the small foul area west of Oil Reef. A rock located halfway between the reef and foul area (approximately 18 meters south of fix #186) was applied from field edit data by the compiler, source unknown (since a fix for a rock is not indicated on the field edit sheet in this area; nor could a fix for the object be found during final review). Both rocks are retained on the map. Since both rocks are covered 7 ft. at MLLW, the fix plotted by the compiler may be in error, i.e., no rock exists there. No rocks are visible on the photographs in either area. (refer to page 38)

4. The source of the rock uncovering 8 ft. at MLLW located southwest of Iniskin Island, applied by the compiler from field edit data, is unknown. No fix in this immediate area was indicated on the field edit ozalid by the field editor. This is the only rock "XB" in the area

PH-6301  
T-12317

Notes submitted by the Photogrammetric Compiler concerning the application of field edit accomplished in June 1969 - covering an area common with H-9017 of 1969. Comments by the final reviewer are included under heading 64 of the Final Review Report.

1. The manuscript was partially edited. The data submitted was generally clear. There were several rocks which plotted different from the editor's sketch. In the absence of photo 67M871, there are several rocks unplotted.
2. The following rocks have to be plotted: Nos. 6041, 6043, 6055, 6054, 6053, 6052, 6059, and 6040.
3. Rocks 6154 thru 6158 plot east of sketched position on field edit ozalid.
4. Rock 2278, which appears on field edit ozalid T-12322 falls on this manuscript but its position and height were not found.
5. A new position was submitted for hydro fix number 030.
6. The reef near latitude  $59^{\circ}40'00''$  longitude  $153^{\circ}24'00''$  is shown with a dashed line since its height was not submitted. Where reefs of small diameters were shown, a rock awash symbol has been shown.
7. The shoreline area near fix No 043 was changed from the field edit ozalid.
8. There were no landmarks or aids to navigation submitted.
9. Most of the reef and foul areas were transferred from the field edit ozalid. Where the definition of the areas was unclear, verification was made by referring to the mylar photo party sheet 30039.
10. The check angles for the following rocks did not hold: 6022, 6023, 6033, 6101, 6167, 6401, 6410, and 6020.

Submitted

B. L. Barge  
April 6, 1970

copy

36A

Memorandum to the Chief, Hydrographic Survey Branch

Concerning Photogrammetric Review of PH-6301 (Part 1) Kamishak Bay,  
Alaska, T-12317

From C3421

H-9071 1:10,000 June 1969

In making a comparison of T-12317 with this final reviewed hydrographic survey, it was noticed that two foul areas and a submerged reef that had been located by the field editor in June 1969 had not been brought forward. See the cartographic comparison print that is submitted with the Descriptive Report for this project, for the location of these areas. (page 36 B)

H-9328 1:10,000 June-August 1972

In comparing T-12317 with the final reviewed hydrographic survey, it was noticed that all rocks had not been brought forward from the Class 1 manuscript. These rocks were located by the field editor in July 1973 and plotted by sextant fix. For their identification see the Cartographic Comparison Print which is submitted with the Descriptive Report for this project.

(page 37)

H-9379 1:20,000 Boat sheet

A stable base copy of the final reviewed photogrammetric manuscript, T-12317, and applicable reports will be sent upon completion to the PMC.



36 B

Mud

Angus's MLLW

Angus's MLLW

Angus's MLLW

040

Mud

Refer to Page 36A  
(H-9071)

foul areas

Reef

Awash MLLW

Awash MLLW

Awash MLLW

Awash MLLW

FOUL

Mud

Awash MLLW #  
Awash MLLW

62-W-6281

CLIFF

Keystone Creek

INISKIN SOUTH BASE 2 1967  
037

Pomeroy

Creek

Mud

BLUFF

62-W-6282

Awash MLLW

Awash MLLW

Awash MLLW

Awash MLLW

Awash MLLW

Awash MLLW

Awash MLLW

The Toadstools

034

BLUFF

Awash MLLW

41'

BAY

INISKIN

59°40'00"

158°25'00"

24'

23'

covered by  
H-9071









**DESCRIPTIVE REPORT CONTROL RECORD**

MAP T-12317

PROJECT NO. PH-6301

SCALE OF MAP 1:20,000

SCALE FACTOR	None
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[illegible]

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6301 (Cook Inlet, Alaska)

T-12317

Big Rock  
Bowser Creek  
Cy Peak  
Cook Inlet  
Edelman Creek  
Fitz Creek  
Green Cove  
Iniskin Bay  
Iniskin Island  
Iniskin Peninsula  
Keystone Creek  
Mount Pomeroy

Oil Bay  
Paveloff Creek  
Pomeroy Creek  
Pomeroy Island  
Portage Creek  
Range Peak  
Right Arm  
Right Arm Creek  
Scott Island  
The Toadstools  
Tilted Hills  
Vert Island  
Well Creek

Approved By:

*A. Joseph Wraight*  
A. Joseph Wraight  
Chief, Geographer

Prepared By:

*Frank W. Pickett*  
Frank W. Pickett  
Cartographic Technician