

13214

ORIGINAL

13214

Form 504 U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE (PHOTOGRAMMETRIC)
Field No.	Office No. T-13214
LOCALITY	
State	ALASKA
General locality	KODIAK ISLAND
Locality	KODIAK
<u>19 67 - 68</u>	
CHIEF OF PARTY	
A.L. Powell, Dir., Atlantic Marine Center	
LIBRARY & ARCHIVES	
DATE _____	

ADDITIONAL WORK —
REFER TO PAGES 5, 35, 36

USCGM-DC 5087

DESCRIPTIVE REPORT - DATA RECORD
T- 13214

PROJECT NO. (II): PH-6802		
FIELD OFFICE (III): Pacific Marine Center, Seattle, Wash.		CHIEF OF PARTY G.L. Short, Chief, Operations
PHOTOGRAMMETRIC OFFICE (III): Atlantic Marine Center		OFFICER-IN-CHARGE A.L. Powell, Director, AMC
INSTRUCTIONS DATED (II) (III): AEROTRIANGULATION - Nov. 9, 1967 OFFICE COMPILATION - Jan. 8, 1968 OFFICE COMPILATION, AMENDMENT I - Jan. 19, 1968		
METHOD OF COMPILATION (III): Kelsh Plotter and Wild B-8 Plotter		
MANUSCRIPT SCALE (III): 1:5,000	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): Kelsh 1:2,000 pantographed to 1:5,000 B-8 1:6,666 pantographed to 1:5,000	
DATE RECEIVED IN WASHINGTON OFFICE (IV):	DATE REPORTED TO NAUTICAL CHART BRANCH (IV):	
APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV):
GEOGRAPHIC DATUM (III): N.A., 1927	VERTICAL DATUM (III): MHW MEAN LOW WATER EXCEPT AS FOLLOWS: Elevations shown as (25) refer to mean high water Elevations shown as (5) refer to sounding datum i.e., MEAN LOWER LOW WATER mean lower low water	
REFERENCE STATION (III): FALL, 1967 (West of sheet) ✓		
LAT.: 57° 46' 53.340" 1650.2m ✓	LONG.: 152° 26' 17.807" 294.3m ✓	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): Y = 1,384,720.81 Ft. ✓ x = 804,789.87 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
T-13214

FIELD INSPECTION BY (II): Robert B. Melby		DATE: Sept. 1967
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air photo compilation - July 10, 1967		
PROJECTION AND GRIDS RULED BY (IV): L.F. Van Scoy		DATE Sept. 25, 1967
PROJECTION AND GRIDS CHECKED BY (IV): R. Glaser		DATE Sept. 28, 1967
CONTROL PLOTTED BY (III): J. Steinberg		DATE Jan. 11, 1968
CONTROL CHECKED BY (III): F. Wilson		DATE Jan. 11, 1968
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): Paul Hawkins		DATE Dec. 21, 1967
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY REVIEWED BY B. Barge A. Shands & L. Neterer	DATE Mar. 5, 1968
	CONTOURS INAPPLICABLE	DATE
MANUSCRIPT DELINEATED BY (III): A. Shands		DATE March 1968
SCRIBING BY (III): B. Barge		DATE Jan. 17, 1969
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): COMPILATION: C.H. Bishop FIELD EDIT: R.E. Smith SCRIBING & STICKUP: R. E. Smith		DATE March 1968 Dec. 23, 1968 Jan. 27, 1969
REMARKS: FIELD EDIT BY: W. R. Cameron May 1968		

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

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

DESCRIPTIVE REPORT - DATA RECORD

T-13214

CAMERA (KIND OR SOURCE) (III):

Wild RC-8 "L"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
67L-4123-4129	July 10, 1967	1108	1:10,000	0.8' above MLLW

PREDICTED

TIDE (III)

DIURNAL

		RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION:	Kodiak, Kodiak Harbor, Alaska		6.6	8.5
SUBORDINATE STATION:	None			
SUBORDINATE STATION:				

^{NORFOLK}
WASHINGTON OFFICE REVIEW BY (IV):

C. Bishop

DATE: MAY 1970
C. Bishop

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

8

RECOVERED:

8

IDENTIFIED:

5 * * *

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

1

RECOVERED:

1

IDENTIFIED:

1 *

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

3

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

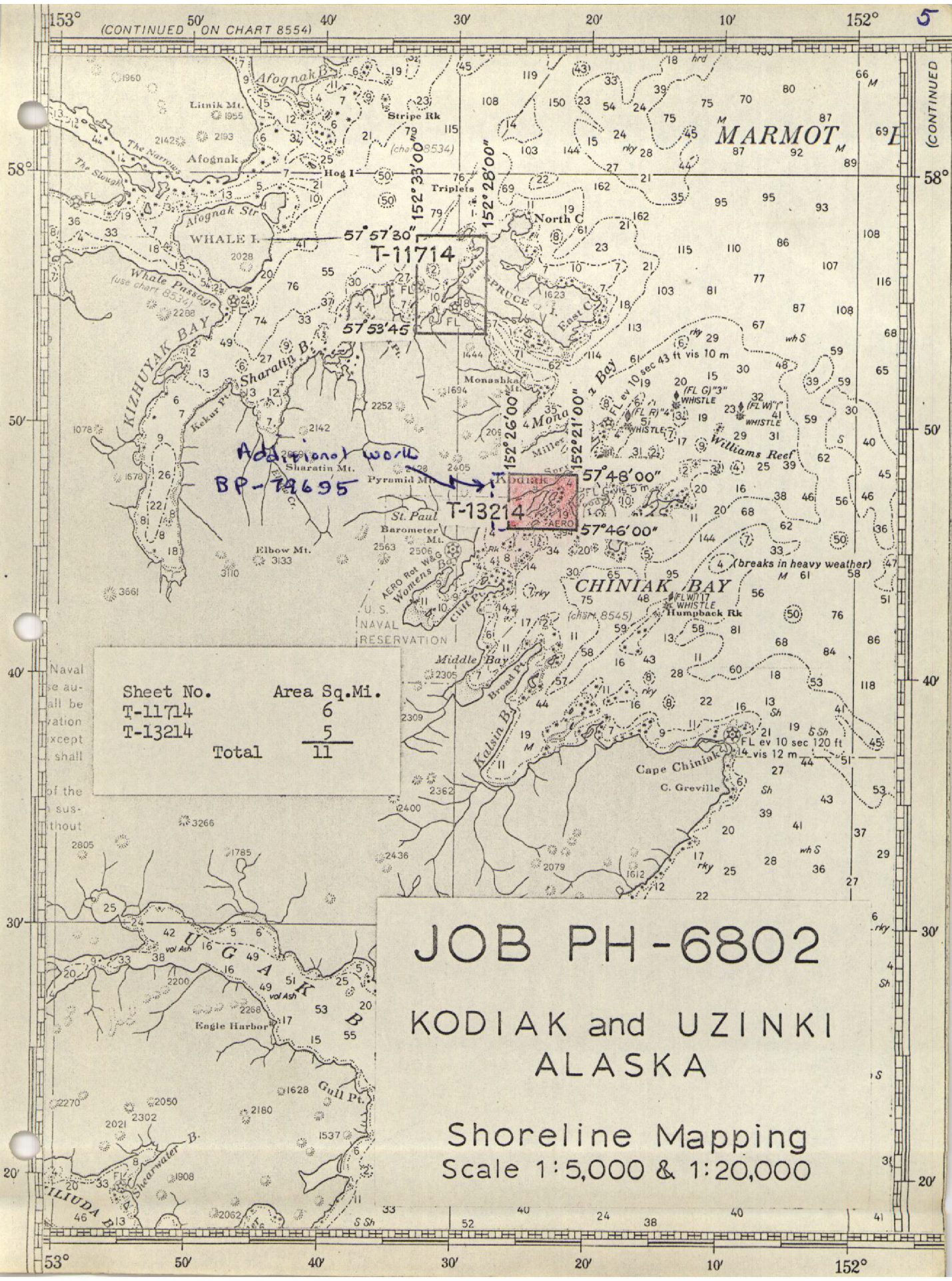
16 * *

REMARKS:

- * Tidal B.M. identified on photo 67L-4126 (Contact)
- ** Identified on photos 67L-4125 & 4126 (Contact)
- *** " " " 67L-4123, 4125, 4127 & 4128 (Contact)

T-13214

COMPILATION RECORD	COMPLETION DATE	REMARKS
Alongshore area for hydro.	March 1968	Superseded
Field edit applied. Manuscript complete.	Dec. 1968	Superseded
Revised after Final Review	April 1970	



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-13214

Shoreline manuscript T-13214, scale 1:5,000, is one of two manuscripts that comprise Project PH-6802, which is located on the east side of Kodiak Island, Alaska, north of Cape Chiniak and west of Chiniak Bay. T-13214 does not have a junction with T-11714, the other map in the project. The sketch on page 5 shows the relative position of the two maps.

This is a stereo-instrument job in advance of hydrographic surveys of the area. Field work consisted of identification of horizontal control and of hydrographic signal sites to be located during compilation. A stereo-planigraph bridge was run in the Rockville Office using 1:10,000 scale RC-8 photography of July 10, 1967. Compilation was by Wild B-8 methods, using the same photography.

Cronaflex copies of the manuscript, ozalid copies and specially prepared photographs were subsequently provided for preparation of boat sheets, location of photo-hydro signals, and field edit use.

The map was field edited in May 1968, except for the southeast shore of Near Island, reefs and islands eastward from Near Island, and Kodiak Island eastward from Longitude $152^{\circ} 23'$. These areas were outside the limit of the hydrographic survey and were not edited. Field edit was recorded on an ozalid print, and matte ratio photographs 67 L 4125 through 4128.

Final review was done at the Atlantic Marine Center during April 1970.

The compilation manuscript was a vinylite sheet 2 minutes in latitude and 5 minutes in longitude.

A cronaflex copy of the final reviewed manuscript and a negative have been forwarded for record and registry.

FIELD INSPECTION REPORT
Project PH-6802
Map Manuscripts T-11714 and T-13214
Vicinity of Kodiak and Uzinki, Alaska
September, 1967

2. Areal Field Inspection:

The areas contained in this report are common to the City of Kodiak and Uzinki Narrows.

The quality of the photography furnished the field unit was considered adequate for the identification of the required horizontal control.

3. Horizontal Control:

(a) Supplemental control was established by triangulation methods to fulfill horizontal control identification requirements and to locate two permanent, fixed aids to navigation.

(b) No datum adjustments were made by the field party. The positions of all the stations established were computed on Alaska Zone 5, Traverse Mercator, Plane Coordinates.

(c) Only control established by the Coast and Geodetic Survey was searched for or recovered except two horizontal control stations in the vicinity of the City of Kodiak. These stations had been set by a local engineering firm and were occupied and tied to the existing triangulation as established by the Bureau. One of these stations was photo-identified.

(d) All horizontal control required by the project instructions for stereoplanigraph bridging was positively identified.

(g) The Public Works Office, Kodiak Naval Station stated they were unable to obtain satisfactory azimuth checks at station CHINAK SOUTHWEST BASE 1907 when observations involved station ABBERT, 1933. Our field observations confirmed their findings. Station ABBERT had been previously located by triangulation intersection and the line between it and CHINIAC SOUTHWEST BASE was determined by an inverse position computation. ABBERT was occupied and its position was redetermined.

9. Landmarks and Aids:

(a) The alongshore landmarks for charts were investigated and Form 567's are submitted, recommending the charting disposition of each feature.

Several of the fixed aids to navigation and landmarks were located by photogrammetric methods. One landmark and two fixed aids to

navigation were determined by triangulation intersection methods. It is requested their positions as computed in the field on plane coordinates be converted to geographic positions and entered on their respective Form 567.

11. Other Control:

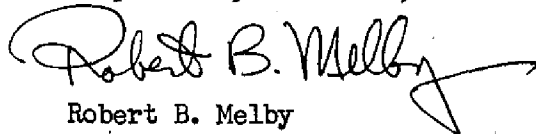
On the shoreline adjacent to the City of Kodiak, photo-hydro signals in the form of natural or cultural objects were selected and identified on the field photography. This will permit the location of these hydro signals during compilation.

13. Geographic Names:

A geographic-names investigation was not required by the project instructions.

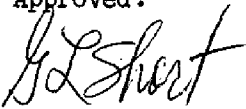
One name was found to be indispute in spelling: The village of Uzinki (Ouzinkie) is spelled several ways. Apparently the local residents prefer the spelling Ouzinkie to Uzinki. The Post Office uses the name Ouzinkie. According to local sources, the name means the "narrows". The pronunciation is the same for both spellings - Uzinki. It is recommended the name of the village be spelled Ouzinkie.

Respectfully Submitted,



Robert B. Melby
Supervisory Survey Technician
Coast and Geodetic Survey

Approved:

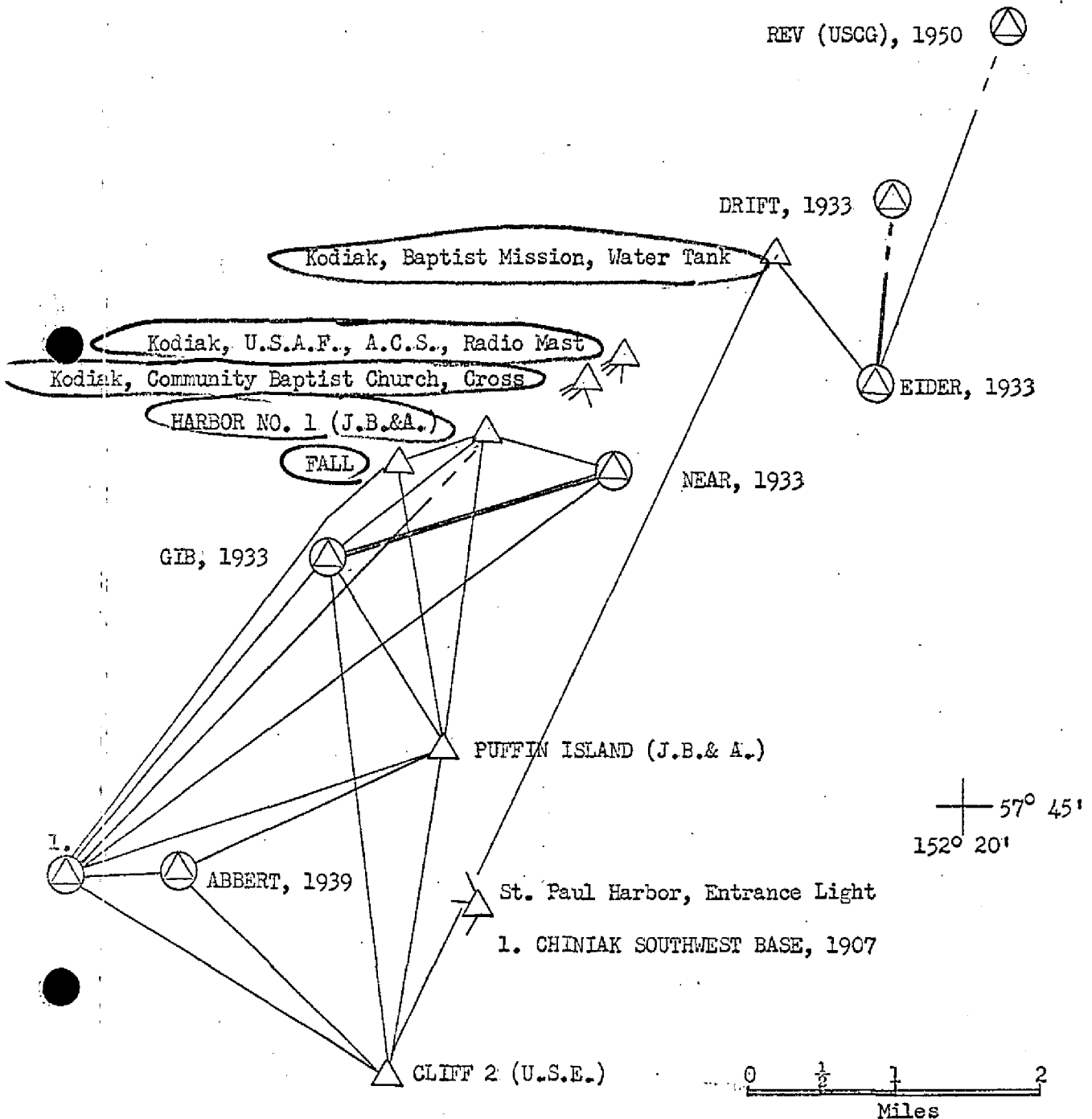


G. L. Short, CDR USESSA
Chief, Operations Division
Pacific Marine Center

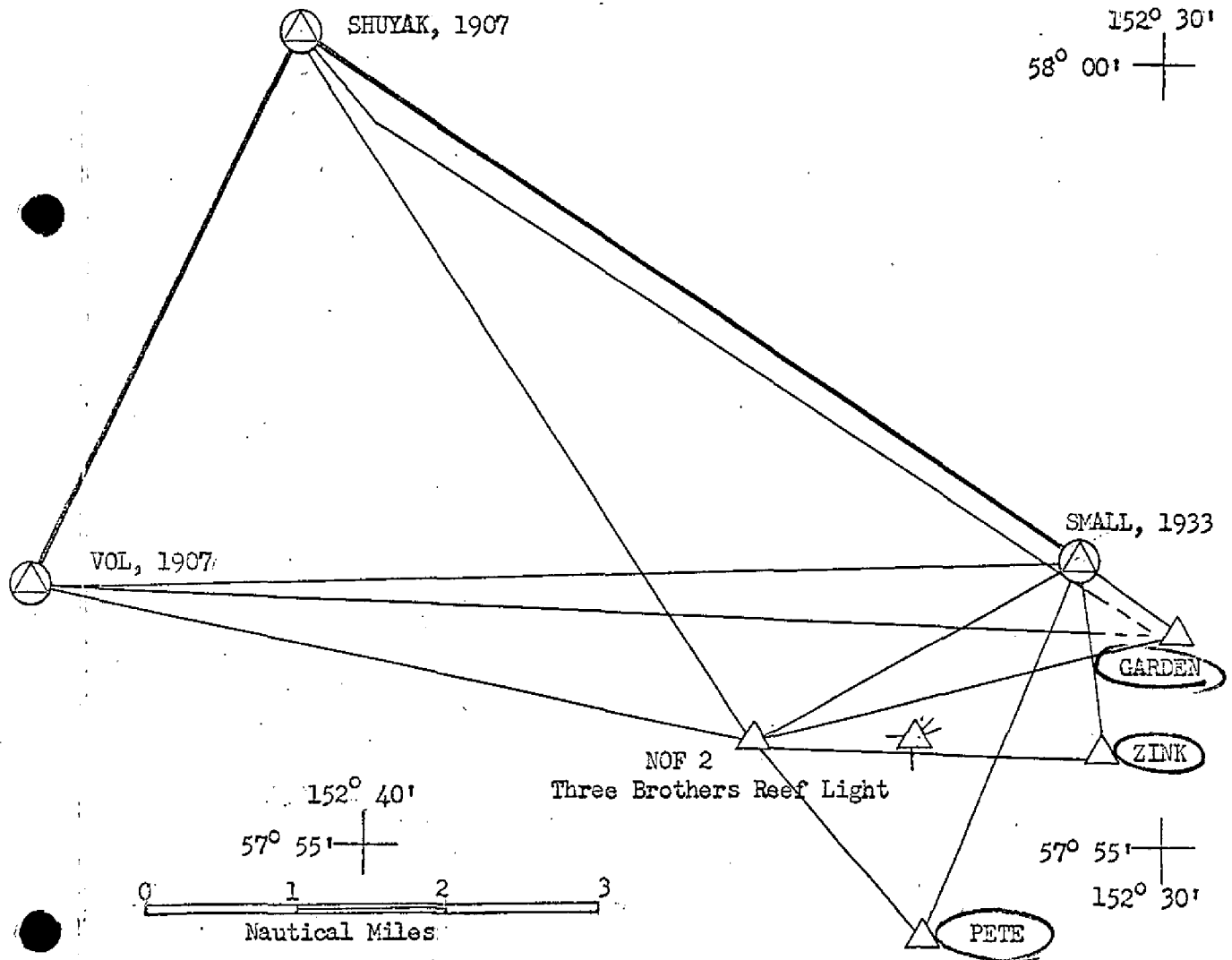
Coast & Geodetic Survey
 James C. Tison Director
 Progress Sketch
 Project Ph-6802
 Sept 1967
 Kodiak Island, Alaska
 R. B. Melby Chief of Party

57° 50'
 152° 25'

57° 50'
 152° 20'



Coast & Geodetic Survey
James C. Tison Director
Progress Sketch
Project Ph-6802
Sept 1967
Marnot Bay, Alaska
R. B. Melby Chief of Party



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Aerotriangulation Report
Project 6802
Kodiak & Uzinki, Alaska
December 21, 1967

21. Area Covered

This report covers the area in and around the town of Kodiak on the eastern side of Kodiak Island and the area around the settlement of Uzinki which is located on Spruce Island, just north of Kodiak Island. The area around Kodiak is covered by T-13214 at 1:50,000 and around Uzinki by T-11714 at 1:20,000.

22. Method

Both strips were bridged on the C-8 Stereoplanigraph and adjusted by IBM 1620. The Kodiak Strip (67-L-4123 thru 4129) was adjusted on five stations while the Uzinki Strip (67-L-4626 thru 4633) was adjusted on four stations.

23. Adequacy of Control

Control was adequate in both quantity and quality and complied with project instructions. All stations held within National Map Accuracy Standards with the exceptions of Pass 1907; SSB & SSC Substation A of Pass 1907 proved to fit well (straight line adjustment) with all other control in the Strip. Since no reason could be found for the discrepancy of SSB & SSC they were dropped from the bridge.

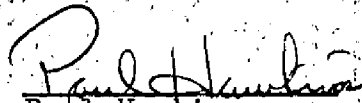
24. Supplemental Data

Field hydro points were positioned, where possible, during bridging operations.

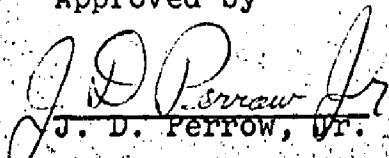
25. Photography

Photography was adequate as to coverage, overlap and definition.

Submitted by


Paul Hawkins

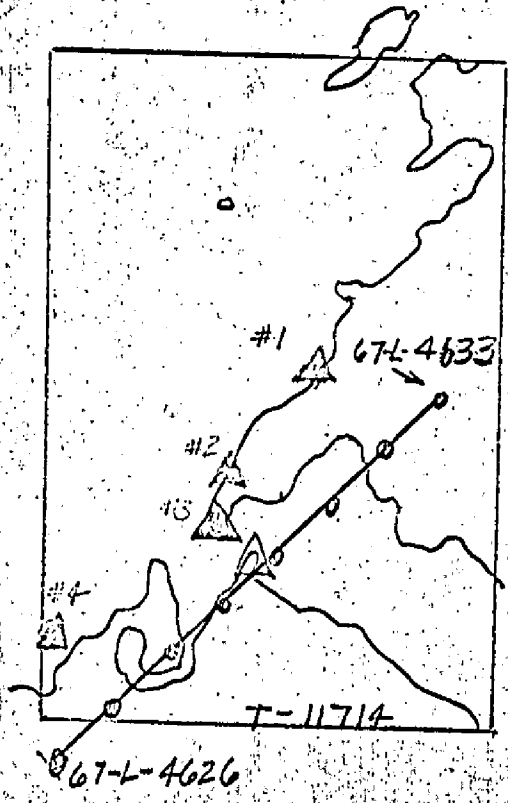
Approved by


J. D. Ferrow, Jr.

PH-6802

UZINKI, ALASKA

Dec 67

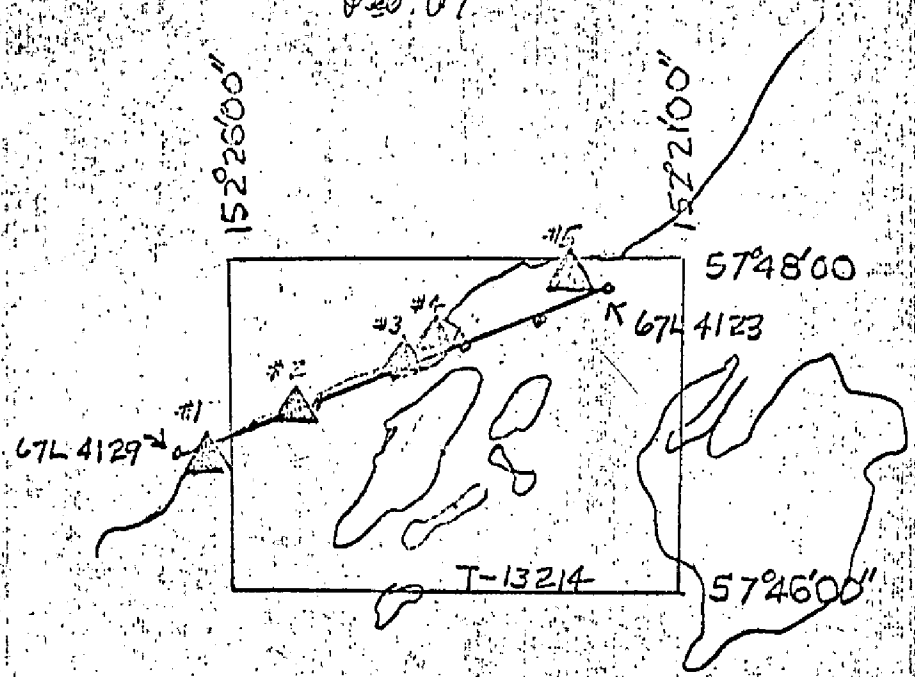


- 1. GARDEN, 1967
- 2. ZINK, 1967
- 3. PASS, 1907
- 4. PETE, 1967

PH-6802

KODIAK, ALASKA

Dec. 67



1. FALL, 1967
2. HARBOR #1 (J.B.+A) 1967
3. KODIAK COMMUNITY BAPTIST CHURCH CROSS, 1967
4. KODIAK USAF ACS RADIO MAST, 1967
5. KODIAK BAPTIST MISSION WATER TANK, 1967

U.S. DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT

COAST AND GEODETIC SURVEY
CONTROL RECORD

MAP T. 13214

PROJECT NO. PH-6802

SCALE OF MAP 1:5,000

SCALE FACTOR NONE

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y -COORDINATE LONGITUDE OR x -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
FALL, 1967 ✓	G.P. 9-14030	N.A. ✓ 1927	57° 46' 53.3404" ✓ 152° 26' 17.8066" ✓	1650.2 ✓ 274.31 ✓	(206.1) ✓ (297.3) ✓		<i>West of sheet</i>		
HARBOR NO. 1 J.G.A., 1967 ✓	"	"	57° 47' 08.6838" ✓ 152° 25' 17.7610" ✓	268.7 ✓ 293.5 ✓	(1587.6) ✓ (498.0) ✓				
KODIAK COMMUNITY BAPTIST CHURCH ✓ CROSS, 1967	"	"	57° 47' 25.9679" ✓ 152° 24' 01.6257" ✓	803.4 ✓ 26.9 ✓	(1052.9) ✓ (964.4) ✓				
KODIAK U.S.A.F. ✓ A.C.S. RADIO MAST 1967	"	"	57° 47' 33.1081" ✓ 152° 23' 44.9597" ✓	1024.3 ✓ 742.8 ✓	(832.0) ✓ (249.5) ✓				
KODIAK BAPTIST MISSION WATER ✓ TANK, 1967	"	"	57° 48' 08.3089" ✓ 152° 22' 07.0210" ✓	257.1 ✓ 116.0 ✓	(1599.2) ✓ (875.1) ✓				
GIB, 1933 ✓	G.P. ROCK- VILLE	"	57° 46' 24.037" ✓ 152° 27' 06.021" ✓	743.7 ✓ 99.5 ✓	(1112.6) ✓ (892.3) ✓				<i>not on sheet</i>
NEAR, 1933 ✓	"	"	57° 46' 53.992" ✓ 152° 23' 58.114" ✓	1670.4 ✓ 960.4 ✓	(185.9) ✓ (31.2) ✓				
EIDER, 1933 ✓	"	"	57° 47' 18.293" ✓ 152° 20' 59.397" ✓	566.0 ✓ 981.4 ✓	(1290.8) ✓ (10.0) ✓				<i>not on sheet</i>

COMPILATION REPORT

T-13214

Project PH-6208

31. DELINEATION:

The Kelsh and Wild B-8 were used. The diapositives were printed for use in the Wild B-8, but plates 67 L 4125 and 4126 were used in the Kelsh with the emulsion side up as the Wild B-8s were in use on other jobs at the time. All other models were compiled with the Wild B-8.

Photography was adequate.

32. CONTROL:

See Aerotriangulation Report.

In Models 67 L 4126 and 4127, 67 L 4127 and 4128, drilled points 26310, 27310 and 28310 could not be held. Each point missed by approximately 0.2mm. All other bridge and photohydro points located by the bridging section held rigidly.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are inapplicable.

Drainage was delineated from office interpretation of photography.

35. SHORELINE AND ALONGSHORE DETAILS:

All shoreline details, including the mean high water line and the mean lower low water line, were compiled from office interpretation of the photographs.

36. OFFSHORE DETAILS:

Offshore details were delineated from office interpretation of photographs.

37. LANDMARKS AND AIDS:

Appropriate copies of Form 567 for Landmarks and Aids to Navigation were forwarded to the Washington Office under date Dec. 20, 1968.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

There are no contemporary surveys adjacent to this manuscript.

(See Gibson Cove Addition)

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with U.S.G.S. Quadrangle KODIAK (D-2), Alaska, scaled 1:63,360, dated 1949, with minor revisions in 1966.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with chart 8534, scaled 1:78,900, dated August 30, 1965 and Chart 8545, 3rd edition, scale 1:20,000, 5th edition, dated May 17, 1965.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Approved:

Allen L. Powell
Allen L. Powell, RADM USESSA
Director, Atlantic Marine Center

Respectfully submitted:

B. L. Barge
B. L. Barge
Cartographic Technician

Final Name Sheet
Geographic Names
T-13214

Bird Islet
Cyane Rock
Gull Island
Holiday Island
Inner Anchorage
Kodiak
Kodiak Harbor
Kodiak Island
Near Island
Round Island
St. Paul Harbor
Uski Island

Approved by:



A. J. Wraight
Chief Geographer

PREPARED BY



CARTOGRAPHIC TECHNICIAN

T-13214

49. NOTES FOR THE HYDROGRAPHER:

The following photo-hydro points were selected and identified by the field inspector:

- 1401 West gable, white house with green roof.
- 1402 Black chimney, white house with green roof and purple trim.
- 1403 Corner of pier.
- 1404 Red light (Kodiak Electric Association Light).
- 1405 West 1 of 5 ventilators on roof.
- 1406 Corner of bulkhead.
- 1407 Aluminum chimney on green house.
- 1408 East end of concrete wall.
- 1409 Corner of pier.
- 1410 Corner of pier.
- 1411 Corner of pier.
- 1412 Light (Kodiak Harbor Entrance East Light).
- 1413 Lone power pole.
- 1414 Lone dolphin.
- 1415 Light (Kodiak Harbor Entrance West Light).
- 1416 Small metal vertical tank.
- 1417 North end of vertical sign.

See notes on the "Field Edit Ozalid"

FORM C&GS-1002
(9-66)U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
ESSAPHOTOGRAMMETRIC OFFICE REVIEW
T-13214

1. PROJECTION AND GRIDS CHB	2. TITLE CHB	3. MANUSCRIPT NUMBERS CHB	4. MANUSCRIPT SIZE CHB
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) CHB		7. PHOTO HYDRO STATIONS CHB
8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT CHB	11. DETAIL POINTS Wild B-8
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE CHB	13. LOW-WATER LINE CHB	14. ROCKS, SHOALS, ETC. CHB	15. BRIDGES XX
16. AIDS TO NAVIGATION CHB	17. LANDMARKS CHB	18. OTHER ALONGSHORE PHYSICAL FEATURES CHB	19. OTHER ALONGSHORE CULTURAL FEATURES CHB
PHYSICAL FEATURES			
20. WATER FEATURES CHB	21. NATURAL GROUND COVER CHB		22. PLANETABLE CONTOURS XX
23. STEREOSCOPIC INSTRUMENT CONTOURS XX	24. CONTOURS IN GENERAL XX	25. SPOT ELEVATIONS XX	26. OTHER PHYSICAL FEATURES CHB
CULTURAL FEATURES			
27. ROADS CHB	28. BUILDINGS CHB	29. RAILROADS XX	30. OTHER CULTURAL FEATURES CHB
BOUNDARIES			
31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES CHB		34. JUNCTIONS CHB	35. LEGIBILITY OF THE MANUSCRIPT CHB
36. DISCREPANCY OVERLAY XX	37. DESCRIPTIVE REPORT CHB	38. FIELD INSPECTION PHOTOGRAPHS CHB	39. FORMS CHB
40. REVIEWER <i>Charles H. Bishop</i> C.H. Bishop		DATE March 1968	SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i> A.C. Rauck, Jr.
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 <i>B. Barga</i> R.E. Smith	Dec. 1968	SUPERVISOR <i>Albert C. Rauck, Jr.</i> A. C. Rauck, Jr.	
43. REMARKS Field edit was applied from field photographs 67-L-4125, 67-L-4126, 67-L-4127 and 67-L-4128, field edit ozalid T-13214, and a list of photo-hydro stations.			

FIELD EDIT REPORT

SHEET T-13214

KODIAK, ALASKA

AUGUST 1968

USC&GSS PATHFINDER

A. C. HOLMES, CMDG

51 Methods

The field edit of this map was done in accordance with project instructions to the Commanding Officer, Ship PATHFINDER, dated 17 May 1968, and with photogrammetric instructions. Sextant fixes were used to locate features that could not be identified on the photographs.

All deletions, additions, and corrections to be applied to the map manuscript appear on the Field Edit Ozalid. This ozalid is an index and inventory of all field edit work performed. Field edit notes on the matte ratio prints are in violet ink. Features compiled on the manuscript and marked out in green on the ozalid should be deleted.

Field edit data appears on the following matte ratio prints:
6714125 thru 4129.

A supplemental mylar sheet covering the area of Gibson Cove is also a part of the field edit data. This sheet shows the Alaska Zone 5 Plane Coordinates. Supplemental project instructions extended the project into this area. Shoreline in the cove should be compiled from photos of the area. A thorough field inspection of the area was made to assist the compiler.

52 Adequacy of Compilation

Compilation of the manuscript was adequate and complete.

54 Recommendations


None.

56 Additional Information

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

All shallow limits have been deleted as the hydrographic survey of the area is complete.

William R. Cameron
LTJG-USESSA
Photo Officer

Approved:

A. C. HOLMES
CDR-USESSA
Commanding Officer

NONFLOATING AIDS ~~XXXXXXXXXXXX~~ FOR CHARTS

TO BE CHARTED
~~XXXXXXXXXXXX~~
~~XXXXXXXXXXXX~~ } STRIKE OUT TWO

Atlantic Marine Center
Nov. 26 19 68

I recommend that the following objects which have ~~XXXXXXXXXXXX~~ been inspected from seaward to determine their value as landmarks be charted on ~~XXXXXXXXXXXX~~ the charts indicated.

The positions given have been checked after listing by B. Barge

Howard S. Cole

Howard S. Cole
Director, ANC

Chief of Party

STATE	ALASKA	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
					LATITUDE		LONGITUDE		DATUM							
					D.M.	SECONDS	D.M.	SECONDS								
			KODIAK ISLAND		57	47	152	23	N.A.	1927				X		8534 8545
			KODIAK HARBOR		57	47	152	24	N.A.	1927				X		8534 8545
			Kodiak Electric Assoc. Light		57	47	152	24	N.A.	1927				X		8534 8545
			Entrance East Light		57	47	152	24	N.A.	1927				X		8534 8545
			Entrance West Light		57	47	152	25	N.A.	1927				X		8534 8545
			Union Oil Co. Pier East Light		57	47	152	25	N.A.	1927				X		8534 8545
			Union Oil Co. Pier West Light		57	47	152	25	N.A.	1927				X		8534 8545
			Kodiak City Dock East Light		57	47	152	25	N.A.	1927				X		8534 8545
			Kodiak City Dock West Light		57	47	152	25	N.A.	1927				X		8534 8545
			Kodiak Ferry Terminal East Light		57	47	152	23	N.A.	1927				X		8534 8545
			Kodiak Ferry Terminal West Light		57	47	152	24	N.A.	1927				X		8534 8545

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

NONRECOMMENDING AID TO NAVIGATION LANDMARKS FOR CHARTS

~~XXXXXXXXXXXX~~
~~XXXXXXXXXXXX~~
~~XXXXXXXXXXXX~~ } STRIKE OUT TWO
TO BE DELETED

Atlantic Marine Center

Nov. 26, 1968

I recommend that the following objects which have ~~(been removed)~~ been inspected from seaward to determine their value as landmarks be ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by B. Barge
Howard S. Cole
Director, AMC

Howard S. Cole
Chief of Party

STATE	ALASKA	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION					METHOD OF LOCATION AND SURVEY No.	DATE OF VERIFI.	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
					LATITUDE*		LONGITUDE*		DATUM						
					°	'	°	'							
			KODIAK ISLAND												
			KODIAK												
		N. RADIO MAST	(Kodiak, North Radio Mast, 1933) Removed		57 47.6		152 23.8		N.A. 1927	Triang.* T-13214	9/29/67	X	X		8534 8545
		S. RADIO MAST	(Kodiak, South Radio Mast, 1933) Removed		57 47.5		152 23.7		N.A. 1927	Triang.* T-13214	9/29/67	X	X		8534 8545
		CHURCH SPIRE	(Kodiak Church Spire, 1933) Rebuilt		57 47.3		152 24.0		N.A. 1927	Triang.* T-13214	9/29/67	X	X		8534 8545
											*				First two stations reported removed by field party.
											*				Last station reported rebuilt by field party.

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

USCOMM-DC 18234-P61

REVIEW REPORT T-13214
SHORELINE
April 30, 1970

61. GENERAL STATEMENT:

See Summary on page 6 of this Descriptive Report.

An ozalid Comparison Print (pages 29 through 33) with the differences noted in items 62, 64 and 65 is included with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with Registered Topographic Surveys T-4845, scale 1:10,000, dated July and September 1933 and T-6049, scale 1:5,000, dated July and September 1933.

The differences between the registered surveys and T-13214 are shown in blue on the Comparison Print.

The general trend of the shoreline is about the same. However, many man-made differences are apparent on Kodiak Island between Longitude $152^{\circ} 23'$ and Longitude $152^{\circ} 26'$.

The position of the southwest end of Uski Island on T-4845 differs from the position of the same feature on T-13214 by approximately 20 meters.

The T-4845 position of the head of a cove at Latitude $57^{\circ} 47.0'$ Longitude $152^{\circ} 24.2'$ differs from the T-13214 position by approximately 20 meters.

The T-4845 position of the head of a small cove at Latitude $57^{\circ} 47.3'$ Longitude $152^{\circ} 23.3'$ differs from the T-13214 position by approximately 15 meters.

These and other differences in shoreline position are attributed to erosion and more accurate present day methods of surveying.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with USGS Quadrangle KODIAK (D-2), ALASKA, scale 1:63,360, dated 1949 with minor revisions in 1966.

The small scale of this map makes it inadequate for a good comparison. However, two discrepancies were noted.

At Latitude $57^{\circ} 47' 10''$, Longitude $152^{\circ} 24' 24''$ a rock is shown south of the end of the breakwater on which Kodiak Harbor Entrance Light is located.

At Latitude $57^{\circ} 47' 12''$, Longitude $152^{\circ} 24' 20''$ a ledge area is shown.

Neither of these features are apparent on Photographs 67 L 4126 and 4127 which cover the area.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with a copy of Boat Sheet H-9003, scale 1:5,000, dated 1968.

Discrepancies are indicated on the Comparison Print in purple. See pages 29 through 33 of this report.

In the vicinity of Round Island, Latitude $57^{\circ} 46.9'$, Longitude $152^{\circ} 24.9'$, the photogrammetric location of the mean lower low water line differs from the zero curve on the boat sheet. The photogrammetric location was left on T-13214 as an aid to the smooth plotter.

At Latitude $57^{\circ} 46.8'$, Longitude $152^{\circ} 24.7'$ an 8 foot sounding is plotted on shore. This appears to be an error in plotting.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 8545, scale 1:20,000

(inset scale 1:10,000), 6th Edition, dated March 3, 1969. This is the latest edition of the largest scale chart of the area.

Differences between Chart 8545 and T-13214 are noted on the comparison print in red.

Minor shoreline differences and some displacement of rocks were noted.

An area at Latitude $57^{\circ} 47.25'$ Longitude $152^{\circ} 23.2'$ labeled "foul" on Chart 8545 (inset) was compiled as a reef on T-13214.

See Comparison Print pages 29 through 33 of this report.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This survey complies with Job Instructions, Bureau requirements, and the National Standards for Map Accuracy. No accuracy tests were run in the field.

Reviewed by:

Charles H. Bishop

Charles H. Bishop
Cartographer
April 30, 1970

Approved by:

Allen L. Powell

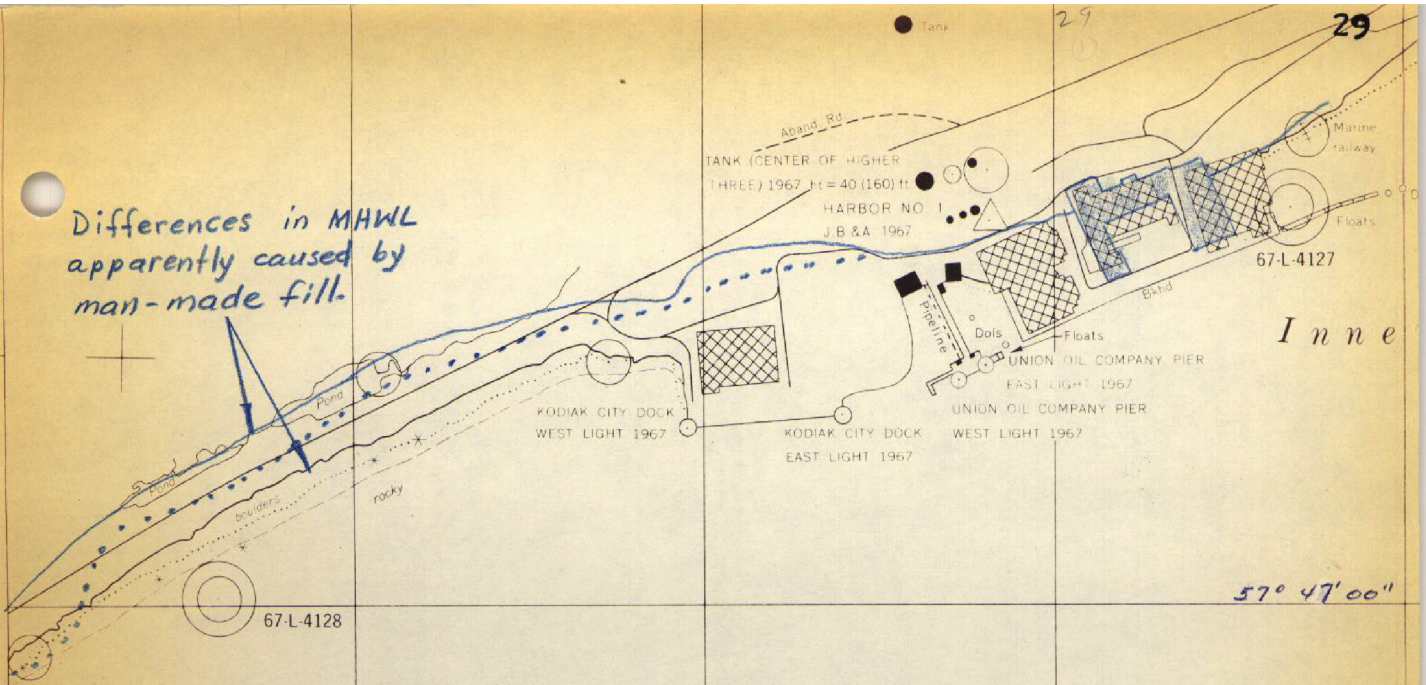
Allen L. Powell, RADM, USESSA
Director, Atlantic Marine Center

Approved by:

Charles L. Henry
Chief, Photogrammetric Branch

Jack E. Luth
Chief, Photogrammetry Division

Differences in MHWL apparently caused by man-made fill.



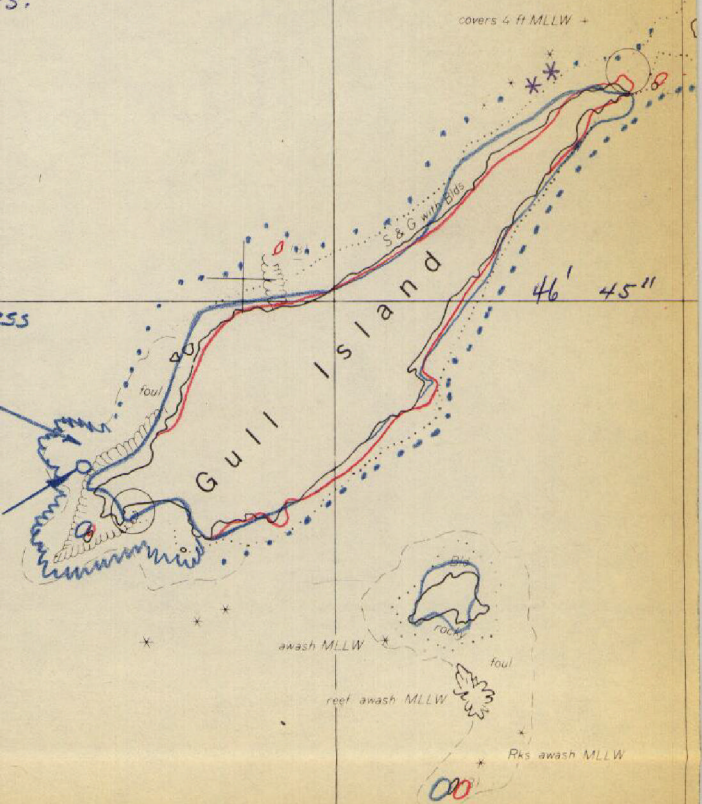
NOTE:

- 1- Blue shoreline from Reg. Survey No. 4845
2. Stage of tide at time of photography was 0.8 ft above MLLW.
- 3- Red shoreline from chart 8545
4. Differences in purple from H-9003.

St Paul Harbor

Ledge area appears less extensive on Photos 67 L 4127-4128

Bare rock not apparent on Photos 67 L 4127-4128



Obstr awash MHW * kelp

Located as "Obstr" by Field Edit in 1968

152° 25' 45"

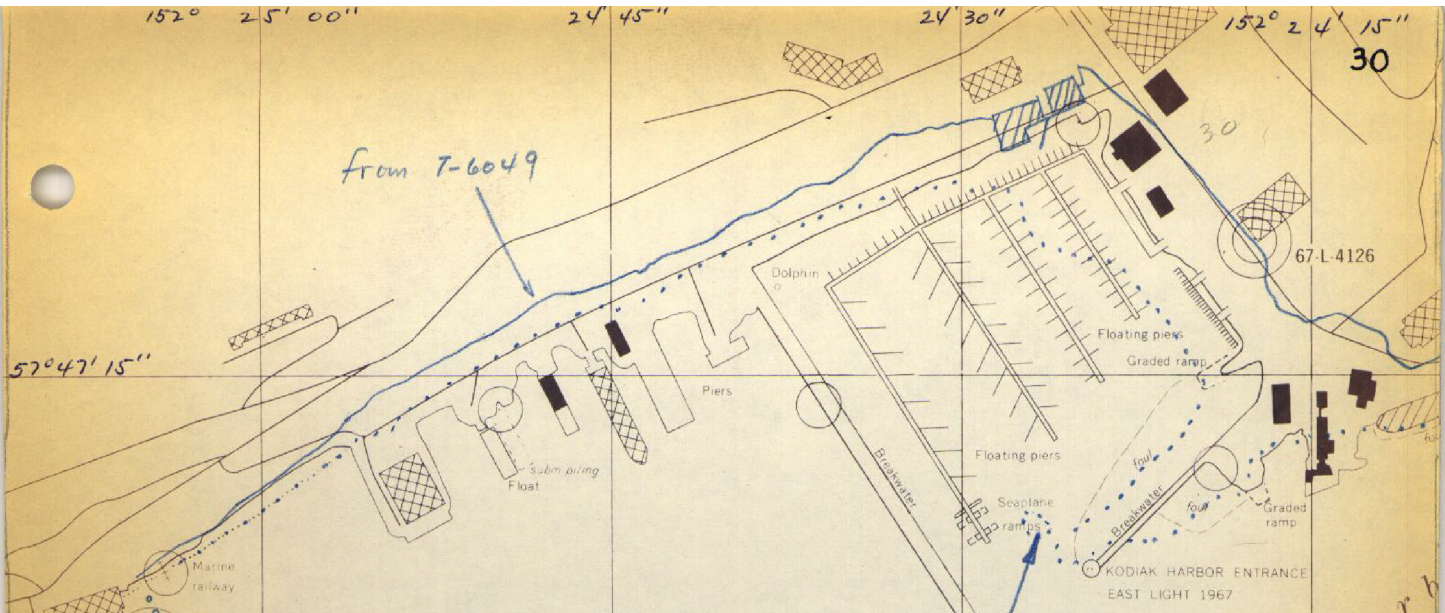
25' 30"

152° 25' 15"

152° 25' 00" 24' 45" 24' 30" 152° 24' 15" 30

from T-6049

57° 47' 15"



No evidence of dol or piling on Photos 67 L 4126 & 4127

Inner Anchor

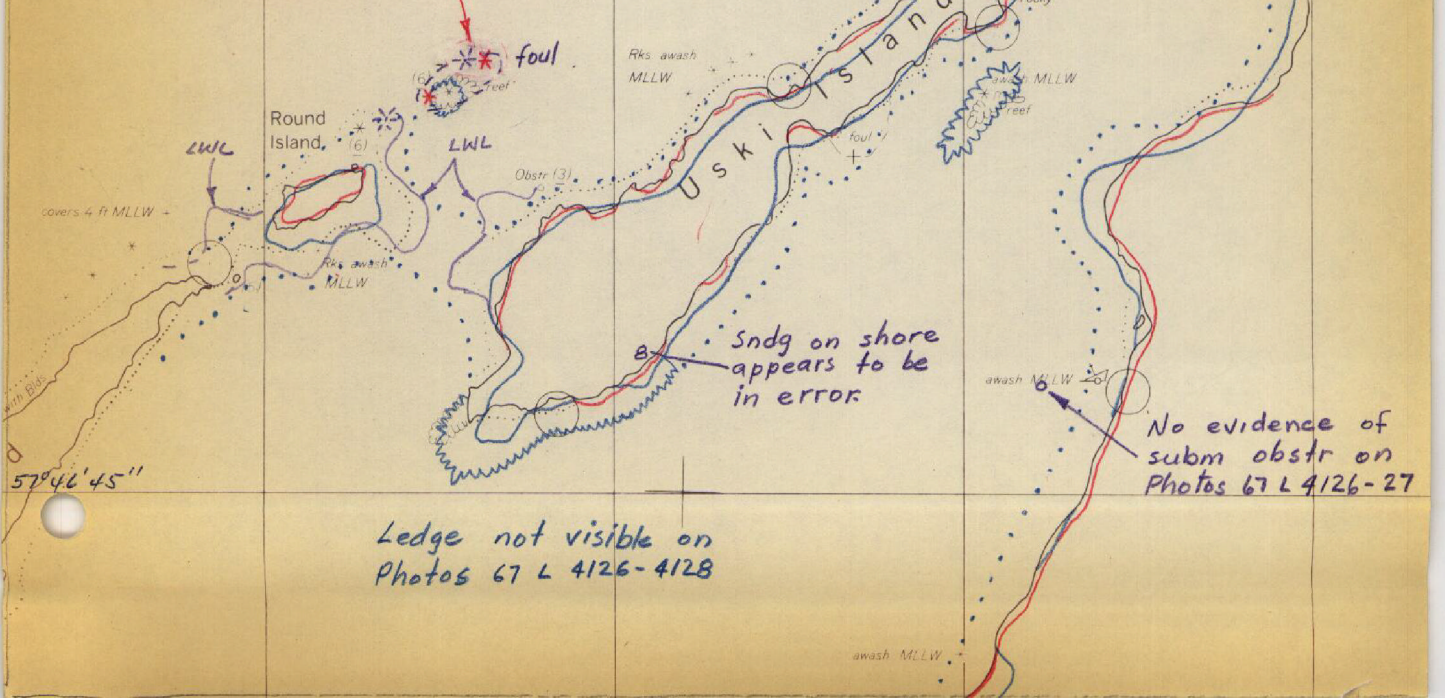
No evidence of shoal on Photos 67 L 4126-4127

stage of tide at time of photography was 0.8 ft above MLLW

57° 47' 00"

No evidence of wreck on Photos 67 L 4126 & 4127

No evidence of these rks on Photos 67 L 4126-4128



57° 46' 45"

Ledge not visible on Photos 67 L 4126-4128

No evidence of subm obstr on Photos 67 L 4126-27

Sndg on shore appears to be in error

152° 24' 00"

152° 23' 45"

152° 23' 30"

31

31

KODIAK USAF ACS RADIO
MAST 1967 ht=100(200)

Kodiak

No evidence of these rks
on Photo 67 L 4124-4126

No evidence of ledge on
Photo 67 L 4124-4126

KODIAK COMMUNITY
BAPTIST CHURCH
CROSS 1967

CHURCH SPIRE 1967
HT=40(70)

T.B.M. 13

Tanks

67-L-4125

KODIAK ELECTRIC
ASSOCIATION
LIGHT 1967

T-6049 / T-4845

No evidence of piers
or ruins on Photos
67 L 4125-4126

No ledge apparent on
Photos 67 L 4124-4126

4126

KODIAK FERRY TERMINAL
EAST LIGHT 1967

KODIAK FERRY TERMINAL
WEST LIGHT 1967

Harbor

No evidence of wrecks on
Photos 67 L 4125 & 4126;
Shown on Boat Sheet,
deleted by Field Edit

N E A R I S L A N D

stage of tide at time of
photography was 0.8 ft. above MLLW

NEAR 1933

57° 47' 00"

57° 47' 30"

rocks

subm reef

aways

aways

aways

47' 15"

sand & gravel

aways

aways

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152° 23' 00"

157° 22' 45"

32
57° 47' 45"

All differences in blue
from T-4845

Differences in red from
chart 8545.

No evidence of rk
on Photo 67 L 4124

67-L-4124

Note: The area east of the
dashed line was not edited
as it falls outside the hydro
survey limits.

Only one rk identified
in field; identification of
other rks on Photos 67 L 4124
and 4125 very doubtful. Reef
appears on photos to be
submerged and is mapped
accordingly.

57° 47' 30"

Stage of tide at time of
Photography was 0.8 ft above MLLW

No evidence of this rk
on Photos 67 L 4124 and 4125

Ledges appear as foul
on Photos 67 L 4124 & 4125

No evidence of ledge,
on Photos 67 L 4124 & 4125

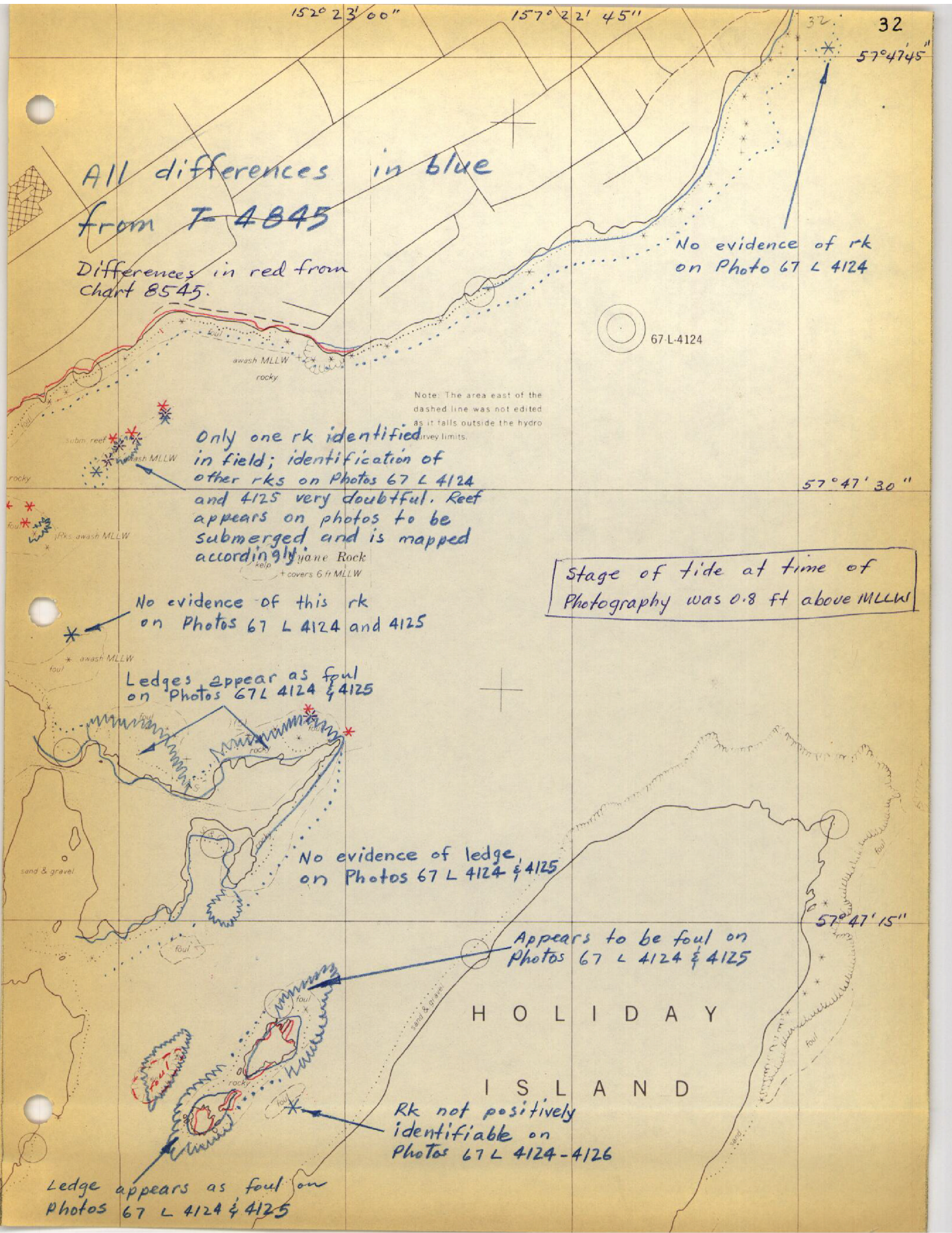
Appears to be foul on
Photos 67 L 4124 & 4125

H O L I D A Y

I S L A N D

Rk not positively
identifiable on
Photos 67 L 4124-4126

Ledge appears as foul on
Photos 67 L 4124 & 4125



152° 23' 00"

22' 45"

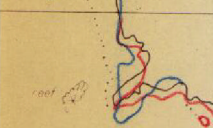
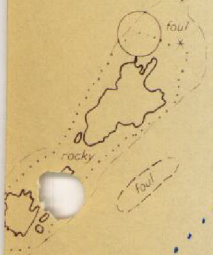
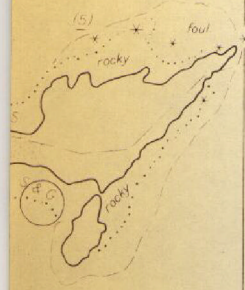
22' 30"

33

152° 22' 15"

33

Cyane Rock
keel
+ covers 6 ft MLLW



HOLIDAY ISLAND

Ledge appears as fould on
Photos 67 L 4124 & 4125
stage of tide = 0.8 ft

57° 47' 15"

* *

* *

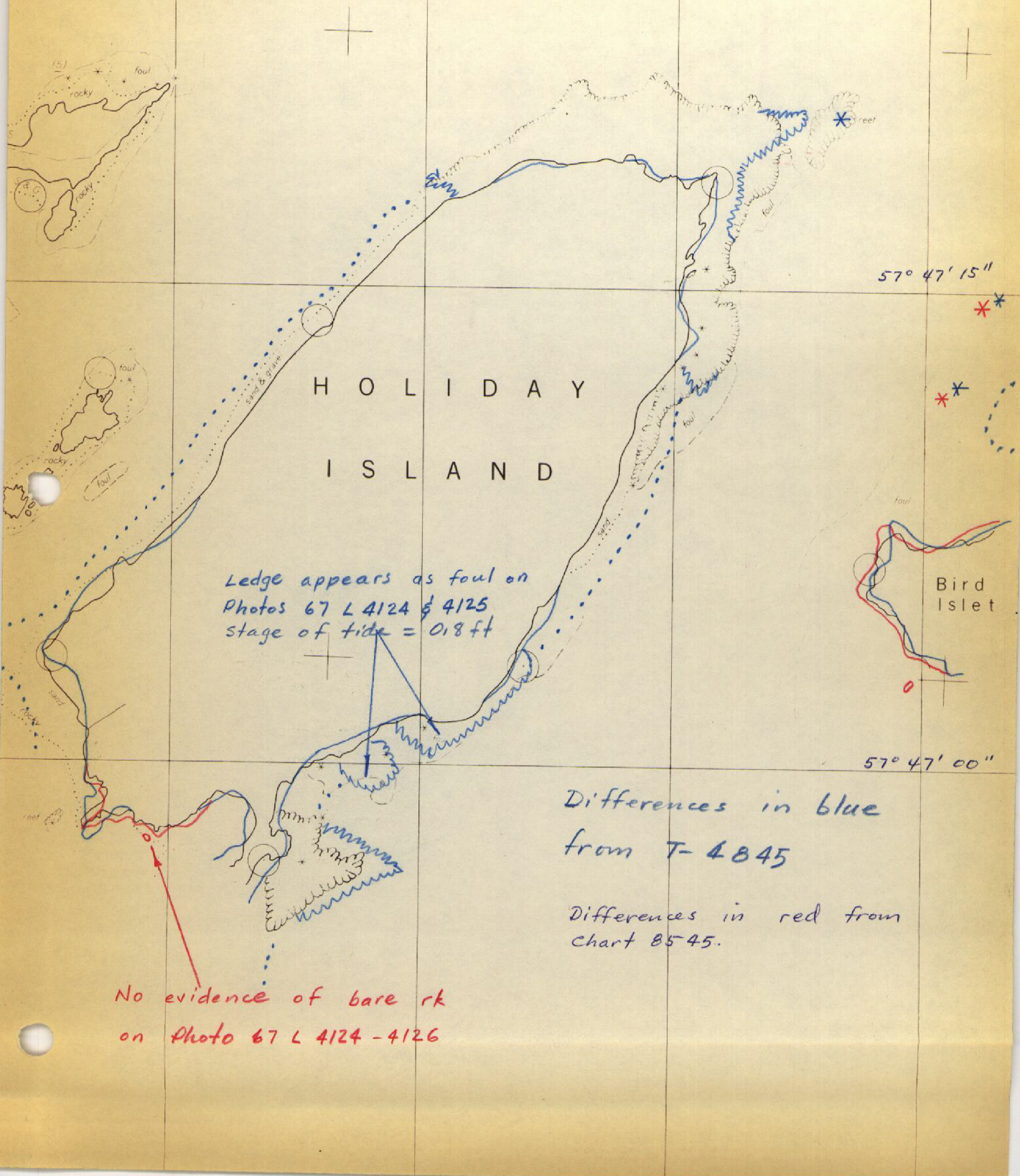
Bird Islet

57° 47' 00"

Differences in blue
from T-4845

Differences in red from
chart 8545.

No evidence of bare rk
on photo 67 L 4124 - 4126



NONFLUOATING AIDSDOR LANDMARKS FOR CHARTS

~~TO BE REVISED~~
~~TO BE REVISED~~

STRIKE OUT TWO

19 70

Atlantic Marine Center

April

I recommend that the following objects which have ~~been~~ been inspected from seaward to determine their value as landmarks be charted on ~~charts~~ the charts indicated.

The positions given have been checked after listing by Charles H. Bishop

Allen L. Powell
Chief of Party

Allen L. Powell, Director, AMC

CHARTING NAME	STATE	ALASKA	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY No.	DATE OF GEOGRAPHIC Verif.	CHARTS AFFECTED								
					LATITUDE *		LONGITUDE *				HARBOR CHART	ISHOPE CHART	OTHER CHART						
					D	M	D	M											
TANK			Center of higher three ht=40(160)		57	47	09.70	300	152	25	19.36	320	NA	1927	Photo T13214	Aug '68X	X	8534	8545
			Previously submitted November 26, 1968;																
			description clarified during Final																
			Review of Map T-13214.																

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* TABULATE SECONDS AND METERS

✓

PH-6802
Supplemental Compilation Report
BP-79695
Gibsons Cove, Kodiak Island, Alaska

Compilation was extended westward of T-13214 to include Gibson Cove. Diapositives of model 67-L-4129 and 4128 were set to bridge positions plotted on a separate ruled vinylite sheet (BP-79695) to compile the area. The western half of Gibson Cove did not have stereoscopic coverage, thus, it was compiled monoscopically from photograph 67-L-4129.

Field inspection of Gibson Cove which was done at the time of field edit was used to aid and supplement the photo compilation.

All bridge points held except 28310 and 29310, which are highly elevated points, and considered to be caused by an inherent error in bridge positions of such points. These points fell 1.7 south of bridge positions. The adjoining model 67-L-4127 and 4128 was set to bridge positions and confirmed the same difference in bridge point 28310.

Junction was made with T-13214.

Respectfully submitted,

Robert L. Sugden

Robert L. Sugden

Feb. 1971

Disposition of Data:

This manuscript will be filed as Blue Print No. 79695 in the Marine Chart Division. One (1) copy will be routed to the Pacific Marine Center for application to the hydro survey (H-9003) smooth sheet. A copy will be filed with the field inspection data (field inspection photographs Nos. 67-L-4128 and 4129; Field Edit Sheet) in the Federal Records Center (PH-6802).

S. G. Blankenbaker

S. G. Blankenbaker

Feb. 1971