# T-12016

Form 504		
U. S. DEPARTMENT OF COMMERCE		
COAST AND GEODETIC SURVEY		
DESCRIPTIVE REPORT		
DESCRIPTIVE REPORT		
FINAL		
Type of Survey SHORELINE (PHOTOGRAMMETRIC)		
4		
Field No. <u>PH-6013</u> Office No. T-12016		
LOCALITY		
StateALABKA		
General locality COOK INLET		
Locality ANCHO RAGE		
1960 - 63		
1309_03		
CHIEF OF PARTY FRED NATELLA		
PORTLAND PHOTO. UNIT		
LIBRARY & ARCHIVES		
DATE		

A SECOND EDITION OF THIS MAP IS REGISTERED

## DESCRIPTIVE REPORT - DATA RECORD T - 12016

PROJECT NO. (II):				The second second
Рн-6013				
FIELD OFFICE (II):		CHIEF OF PART	Y	
PATHF INDER	PATHF INDER		R L. WARD	WELL
PHOTOGRAMMETRIC OFFICE (III):		OFFICER-IN-CHA	ARGE	
PORTLAND, OREGON		FRED !	NATELLA	
INSTRUCTIONS DATED (II) (III):				
JANUARY 17, 1963				
		*		
		2 "		
METHOD OF COMPILATION (III):  KELSH STEREOSCOPIC INSTRUMEN	IT			
NUSCRIPT SCALE (III):	STEREOSC	OPIC PLOTTING INS	STRUMENT SC	ALE (III):
1:10,000	1:6000			
DATE RECEIVED IN WASHINGTON OFFICE (IV):	DATE REP	ORTED TO NAUTICA	AL CHART BR	ANCH (IV):
Jan. 25, 1980	Feb. 1980			
PPLIED TO CHART NO.	DATE:		DATE REGIS	STERED (IV):
			JUNE	1053
EOGRAPHIC DATUM (III):		VERTICAL DATU		1780
		MEAN SEA LEVE	L EXCEPT AS	FOLLOWS:
N.A. 1927		Elevations shown		
		Elevations shown		
		i.e., mean low water		F007
		ELEVATIONS OF		LZUJ WERE PICALLY.
None				
AT.: LONG.:		TAR WETER		
		ADJUSTED		
LANE COORDINATES (IV):		STATE		ZONE
				LONE
x =				
ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTER OR (IV) WASHINGTON OFFICE. HEN ENTERING NAMES OF PERSONNEL ON THIS BECORD CIVE TO		ELD PARTY, (III) F	PHOTOGRAMME	ETRIC OFFICE,

### DESCRIPTIVE REPORT - DATA RECORD

T-12016

FIELD INSPECTION BY (II):

R. E. WILLIAMS

G. C. SALADIN

DATE:

APR. & MAY 1961 JUNE & JULY 1961

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

No MILL line has been compiled on this map

August 20, 1960, KELSH INSTRUMENT

Date of P	hat craphy	
PROJECTION AND GRIDS RULED BY (IV):	. 13	DATE
	A. Roundtree	1-21-63
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
	W. M	1-24-63
CONTROL PLOTTED BY (III):	(学院包括社会社会) 医黑斑状态 医皮肤	DATE
	C. H. BISHOP	2-5-63
CONTROL CHECKED BY (III):		DATE
	J. L. HARRIS	2-5-63
RADIAL PLOT OR STEREOSCOPIC CONTROL EXT	ENSION BY (III): J. D. PERROW, JR.	DATE FEB. 1964
	L. W. FRITZ	JAN- 1963
STEREOSCOPIC INSTRUMENT COMPILATION (III)	PLANIMETRY	DATE
KELSH	C. H. BISHOP	2-19-63
KEEDH	CONTOURS	DATE
	None	
MANUSCRIPT DELINEATED BY (III):		DATE
C.H. Bis	hop	Aug. 1963
SCRIBING BY (III):		DATE
None		
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):		DATE
D. N. Wil	liams	Sept. 1963
REMARKS:		

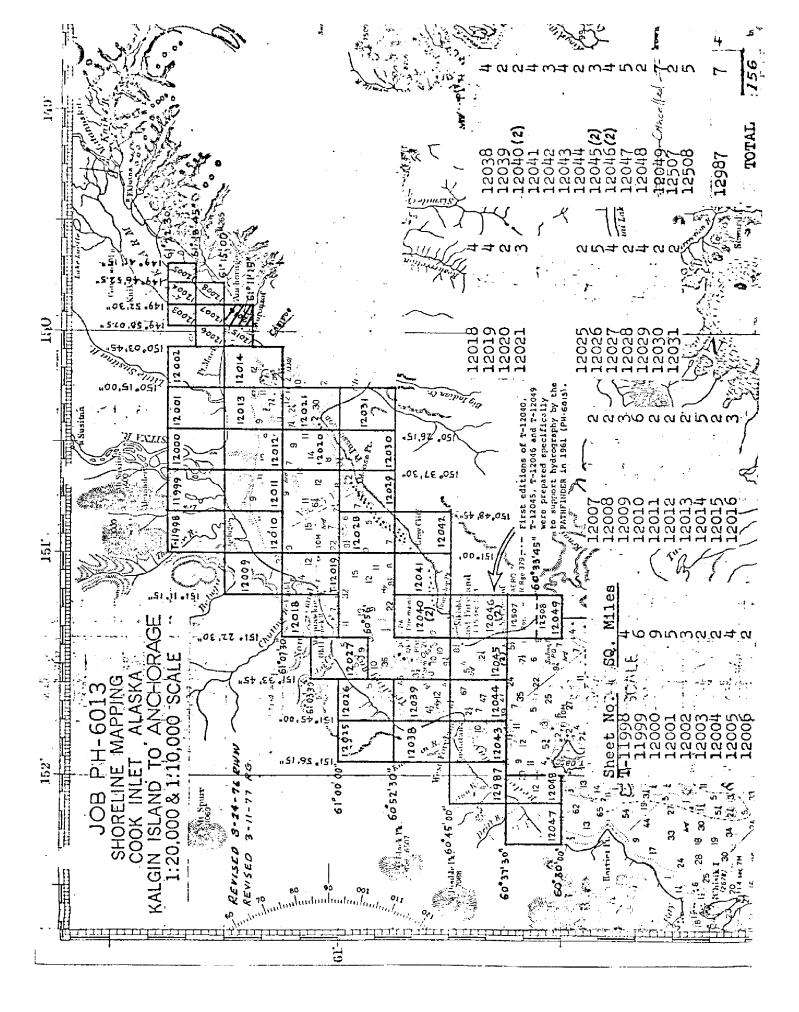
U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

### DESCRIPTIVE REPORT - DATA RECORD

T-12016

CAMERA (KIND OR SOURCE) (III):

		TOOD A DUE (III)			-	
	DATE	TIME	SCALE	67	AGE OF TIE	)E
NUMBER -	DATE	TIME	SCALE	3,	AGE OF THE	,,,
60 W 1226 - 1229	8-30-60	0940	1:30,000	17.0 FT. PREDICTED TIDE		
		. ,			18 4	
X						
			56.			
		TIDE (III)				DIVRUAL
		-		RATIO OF RANGES	MEAN RANGE	RANGE
REFERENCE STATION:	ANCHORAGE,	ALASKA			26.7	29.6
ORDINATE STATION:		A		4	A	
SUBORDINATE STATION:	PREDICTED T	DE TABLES				
INSPECTION NASHINGTON OFFICE REVIEW BY	(IV): E.L. R	olle.		DATE:	Feb. 198	0
PROOF EDIT BY (IV): E.L. Rolle			DATE: Feb. 1980			
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):  RECOVERED: 5			IDENTIFIED: 5			
NUMBER OF BM(S) SEARCHED FOR (II):			IDENTIFIED			
NUMBER OF RECOVERABLE PHOT	O STATIONS ESTABLIS	SHED (III):	None			
NUMBER OF TEMPORARY PHOTO			None			



### SUMMARY TO ACCOMPANY

### DESCRIPTIVE REPORTS

T 12003 Thru T 12008, T 12015 and T 12016

This portion of Project Ph 6013 covers the knik arm portion of Cook Inlet, near Anchorage, Alaska from Point Woronzof Northeasterly to Goose Creek including Eagle Bay.

Eight maps T12003-T12008, T12015, T12016 were included in this portion of project Ph 6013 all are at 1:10,000 scale. The purpose of these maps were to provide contemporary Shoreline support of hydrographic operations and to aid in chart revision.

Field work prior to compilation in the 1961 field season consisted of establishing Horizontal Control.

This area was flown in August 1960 with the "W" camera in black and white and in August 1961 with the "M" Camera in black and white at 1:40,000 scale.

Bridging was performed in the Washington Office; T12015, T12016 in January 1963, and T12003-T12008 in February 1964.

The maps were compiled at the Portland office from February 1963 to May 1964.

Field edit was performed for sheets T 12015, T 12016 in August 1963 and applied in October 1963. Limited field edit was performed for T-12004, T12005, and T 12008 in July 1965 but was never applied. Manuscripts T-12003, T12006, T12007 never had any field edit performed. The field edit was considered "cancelled" because of the earthquake on March 27, 1964 affecting all of this Knit-Arm area. This area has been re-mapped as project CM-7310 KNIK-ARM, Anchorage, Alaska.

Final Review was performed at AMC in January, 1979. T 12015 and T12016 were forwarded to the Washington Science Center for final Registration. T12003-T12008 were forwarded to the Washington Science Center to be registered as CLASS III manuscripts. All pertinent data (Archive Material) will remain with Ph 6013 and the completion report will be submitted upon completion of the entire project. See letter dated March 8, 1977 in the back of this Descriptive Report.

### FIELD INSPECTION REPORT

### MAP MANUSCRIPT T-12016

### PROJECT PH-6013

REFER TO THE FIELD INSPECTION REPORT, COOK INLET, ALASKA, PROJECT SP-1-61, 1961, SUBMITTED BY CAPT. ARTHUR L. WARDWELL, OF THE USC&GSS PATHFINDER, CONTAINED IN THE DESCRIPTIVE REPORT FOR T-12013.

### FIELD INSPECTION REPORT

### COOK INLET, ALASKA

### PROJECT SP-1-61 1961

USC&GS Ship PATHFINDER

Arthur L. Wardwell, CAPT., Comdg.

MANUSCRIPTS:-

12049, 12046, 12045, 12040, 12031, 12032, 12026, 12027, 12028, 12020, 12021, 12022, 12017, 12015, 12016, 12014, 12013, 12008, 12007, 12006, 12003, 12004, 12005, 12002, 12001, 12000, 12012, 11999, 12011, 11998, 12010, 12009, 12019, 12018, 12023, 12025, 12024, 12029, 12030, 12035 12034, 12033, 12037, 12036 .

### AERIAL FIELD INSPECTION:-

Areas inspected were as follows: Manuscripts No. 12049, 12046, 12045, 12040, Kenai to Boulder Point, all shoreline and alongshore features Balance of above listed manuscripts were used only for horizontal

control identification.

The area is primarily moderately timbered with spruce, fir, alder and bear claw above the mean high water line. Shoreline varies from fine black silt at the mouth of the Kenai River mouth to large fragmented boulders at Boulder Point. Most of the beachline is sand and shingle interspersed with boulders of varying sizes. Numerous underground springs and some small creeks discharge small quantities of silt and water and are subject to constant change.

The area was inspected by cruising alongshore by launch and by walking the beach and bluff line. Foul areas now indicated on Chart No. 8553 are

adequate. Two primary foul areas were noted as follows:

. Kenai River Mouth

East Foreland to Moose Point

Quality of photographs was excellent. Areas of shadow were limited to the shoreline east of East Foreland and upper Knik Arm. No attempt was made to sketch in the mean high water line. Enough open areas in shadowed areas are available to adequately delineate mean high water line.

### HORIZONTAL CONTROL:-

Four additional second-order triangulation stations were established between Kenai and East Foreland to supplement existing control in the area. of hydrography. They were identified as follows:

AUDRY 1961 Manuscript No. 12049 Photo No. 1397 LOUISE 1961 . 11 12049 11 1402 B00 1961 12045 - 11 1420 HELEN 1961 Traverse from East Foreland Light 1960.

T- 12017 concelled - Memo 3/8/77

Additional horizontal control recovery was made in upper Cook Inlet in accordance with project instructions. All stations were searched for and approximately 75 percent were recovered. Host of the stations not recovered are considered lost. It is recommended that the next vessel assigned to this project be given a Tellurometer. Simple traverse between recovered triangulation stations would adequately control presently un-controlled flight lines.

In many cases the listed triangulation station was not recovered and a U.S. Engineers' triangulation station was used as a substitute. It appears that the U.S. Engineers could not recover listed C&GS control and substituted their own stations.

Great assistance was rendered by the 5040 Air Transport Squadron at Elmendorf AFB in furnishing heliocopter service. Three days of flying enabled personnel to cover shoreline control stations over the greater part of upper Cook Inlet.

If additional control is required in the vicinity of Elmendorf AFB, use can be made of triangulation now being observed by a C&GS geodetic party. Triangulation station DORF 1961 (in the vicinity of LOOP 2) is to be set in the roof of a building on the base. By use of the description written by the observing party, an accurate office identification can be made.

Triangulation not plotted on the Photo Index was identified where it was on photographs. This control was established by G.W.M. in 1959 and H.G.C. in 1960.

### VERTICAL CONTROL:-

None recovered or established.

### CONTOURS AND DRAINAGE:-

No contouring was attempted.

Primary drainage features are the Kenai, Matanuska, Little Susitna, Susitna, Beluga, Kustitan, and Drift Rivers. Tidal sweep keeps some of the rivers from building up deltaic features. An extremely flat foreshore on the Matanuska, Little Susitna, Susitna and Beluga rivers give rise to wide deltas that change seasonally. Many small streams discharge around Cook Inlet but have no apparent seasonal change.

### WOODLAND COVER:-

The major portion of the area is wooded and interspersed with muskeg and open grassy areas. These are easily identifiable on the photographs. In areas of increasing cultural activity, the woodland cover is being removed. No attempt was made to indicate these areas.

### SHORELINE AND ALONGSHORE FEATURES:-

The mean high water line is adequately delineated on manuscripts 12049, 12046, 12045, 12040. In the area of photo hydro signals IVY and EGG, east of East Foreland, the mean high water line is as follows:

IVY 30 meters inside MHW

EGG on piles at MHW

Most of the shoreline signals are located at MHW along the beach. Many of the fishing huts set on piles at the base of the bluff were used as signals.

No attempt was made to delineate the low water line. Hydrography in the area should be satisfactory.

The foreshore area is primarily sand, small stones and boulders. The normal gradiation from stones at NHW to sand at NLW exists in all areas, except south of the Kenai River. In this area a heavy layer of silt is found in the tide zone.

### OFFSHORE FEATURES:-

All offshore features are located by the hydrographer.

### LANDMARKS AND AIDS:-

There are two fixed aids to navigation within the limits of the hydrographic project:

EAST FORELAND LIGHT

KENAI RIVER ENTRANCE RANGE

Both are located on Chart No. 8553.

One floating aid is also located on Chart No. 8553. Another can buoy is maintained by the oil company and is located just north of the pier.

One landmark for charts is recommended in the Descriptive Report for SP-1-61. This landmark is identified as follows:

KENAI TANK 1959, located by G.W.M. and identified on Photo No. 60/1400.

### BOUNDARIES, MONUMENTS AND LINES:-

None shown.

### OTHER CONTROL: -

Photo hydro signals were located in accordance with standard instructions. Signal IVY was found in error and relocated photogrammentric ally, then verified by hydrographic cuts. Final location is shown on manuscript 12045.

Final location of photo hydro signals will remain in their relative position with the shoreline. Final compilation will cause a datum shift which will move both hydrography and signals the same relative amount.

### DATUM DIFFERENCES:-

Radial plotting of photo identified control stations was made in the field. The following discrepancies were noted between plot positions and geographic positions.

EAST FORELAND LIGHT 1960	Lat.	-13.8 meters
	Long.	-75.4 meters
BOULDER (USE)	Lat.	-37.0 meters
	Long.	-45.2 meters
KENAI CHURCH STEEPLE 1909	Lat.	-15.3 meters
•	Long.	-23.6 meters

. ;

### CULTURAL FEATURES:-

kumerous fishing shacks are located along high water line in the area of hydrography. These huts are subject to damage by winter storms and are in a constant state of transition. No attempt was made to locate current huts.

The Nikiski Oil Pier was under construction at the time of photography. The completed dimensions are available from a blueprint of the structure submitted with descriptive report for Project SP-1-61.

· Respectfully submitted,

Robert E. Williams, Lieut. Comdr., C&GS

Gerald C. Saladin

LIJG, C&GS

7. Wardwell Arthur L. Wardwell,

Captain, C&GS

Comdg., Ship PATHFINDER

# Cook Inlet, Alaska 21035 PH-6013 Photogrammetric Plot Report

### 21. Area Covered

This report covers the area to the west and north of Anchorage, Alaska, and includes T-Sheets 12,000 thru 12,008, plus 12,015 and 12,016.

### 22. Method

Strips #1 and #2 were bridged on the stereoplanigraph and Strip #3 was bridged on the Mann Comparator. All three strips were adjusted by IBM methods. Pass points were drilled on plates by Pug method.

Strip #1 was adjusted on two triangulation stations plus points taken from a previous bridge in the area. Triangulation station Birch (USE) 1941 and its sub-station could not be held in the adjustment. No reason could be determined as to why it could not be held and it was dropped from the bridge. Despite errors of 8 to 9 feet in control the bridge is acceptable.

Strip #2 was adjusted on three triangulation stations with the points from Strip #3 being used on the eastern end. In no instance could any 3 or more of the stations be held with each other and the results do not meet National Map Accuracy Standards for 1:10,000 scale charting since error of up to 14' in "Y" exist in the final bridge solution.

Strip #3 was adjusted using four control points, plus two pass points from Strip #1. Accuracy of this bridge is good. The points between Strips #1, #2 and #3 were meaned.

### 23. Adequacy of Control

The control recovered, complied with instructions. However, in practically every case the quality of the substations left much to be desired. It is felt that these poor quality images were the cause of many problems during the bridging operations. In the cases of In 8 (BLM) and L-IA (BLM), sub-stations were identified but no azimuth or exact distance was given between the home station and its sub-station. Station Misery 3, SS-1 and SS-2 were very poor image points and could not be positively identified during the bridging. Station Low could be identified on Strip #3 but could not be seen on Strip #1. Station Whitney's sub points were very poor and no positive identification could be made during bridging operations.

### 24. Supplemental Data

In the cases of Strip #1 and Strip #2 old bridging data was used to help control the adjustments.

### 25. Photography

Photography in Strips #1, #2 and #3 was adequate in coverage overlap, definition and quality.

### 26. Recommendations

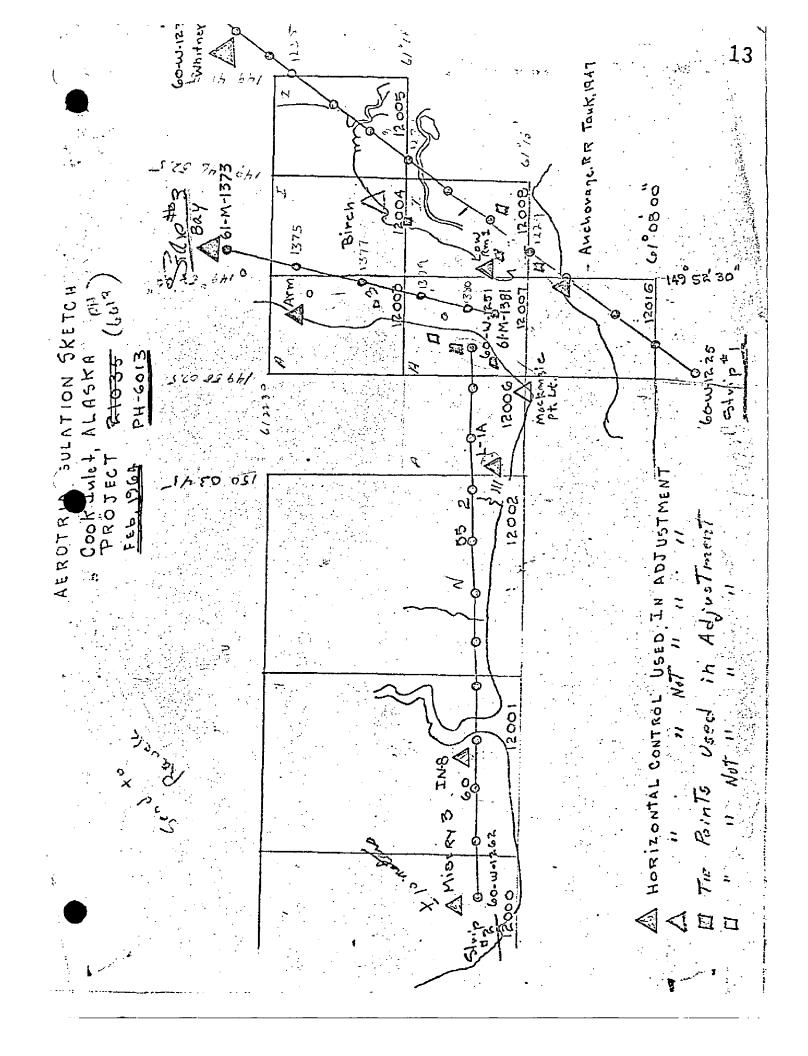
If smooth sheets are required for T-Sheets 12,000, 12,001, 12,002 and 12,006, re-identification of control should be performed and new C&GS control should be provided where doubtful control exists

Submitted by:

Approved by:

forE. H. Ramey

NOTE: The JAN. 1963 Photogrammetric Plot Report is LOST 2/6/80



### COMPILATION REPORT

### INCOMPLETE MANUSCRIPT T-12016

### PROJECT PH-6013

### 31 THROUGH 34:

REFER TO PARAGRAPHS 31 THRU 34 OF THE COMPILATION REPORT FOR T-12013. \* Bound with this Rescriptive Report.

### 35. SHORELINE AND ALONGSHORE DETAILS:

REFER TO PARAGRAPH 35, SHORELINE AND ALONGSHORE DETAILS OF COMPILATION REPORT T-12015.

### 36. OFFSHORE DETAILS:

REFER TO PARAGRAPH 36, OFFSHORE DETAILS, OF THE COMPILATION REPORT T-12015.

### 37. LANDMARKS AND AIDS:

FORMS 567 WERE SUBMITTED FOR SIX LANDMARKS FOR CHARTS.

### 38. CONTROL FOR FUTURE SURVEYS:

NONE.

### 39. JUNCTIONS:

SATISFACTORY JUNCTION WAS MADE TO THE WEST WITH MANUSCRIPT T-12015. OTHER JUNCTIONS WILL BE MADE WHEN ADJOINING MANUSCRIPTS ARE COMPILED.

### 40. Horizontal and Vertical Accuracy:

THERE ARE NO AREAS OF THIS MANUSCRIPT BELIEVED TO BE OF SUBNORMAL HORIZONTAL ACCURACY. VERTICAL ACCURACY IS NOT APPLIAGABLE.

### 46 AND 47:

Refer to paragraphs 46 and 47 of the Compilation Report for T=12013.

APPROVED:

RED NATELLA, CAPT, C&GS

PORTLAND DISTRICT OFFICER

RESPECTFULLY SUBMITTED:

amel W. Williams

DONNEL N. WILLIAMS

CARTOGRAPHER

### COMPILATION REPORT

### INCOMPLETE MANUSCRIPT T-12013

### PROJECT PH-6013

### 31. DELINEATION:

THE KELSH STEREOSCOPIC INSTRUMENT WAS USED FOR COMPILATION WITHOUT THE BENEFIT OF FIELD INSPECTION. THE KELSH DIAPOSITIVES WERE PRINTED IN REVERSE WHICH MADE IT NECESSARY TO MAKE WORKSHEETS FOR COMPILATION OF THE ORIGINAL MANUSCRIPTS IN REVERSE. THESE WORKSHEETS WERE THEN TURNED OVER, SLIPPED UNDER THE ORIGINAL MANUSCRIPT, REGISTERED AND THE DETAIL TRACED.

### 32. CONTROL:

HORIZONTAL CONTROL WAS ADEQUATE IN BOTH DENBITY AND IDENTI-

### 33. SUPPLEMENTAL DATA:

No supplemental DATA WAS FURNISHED FOR THIS PROJECT.

### 34. CONTOURS AND DRAINAGE:

CONTOURS ARE INAPPLICABLE.

THE DRAINAGE WAS COMPILED WITHOUT THE BENEFIT OF FIELD INSPEC-

### 35. SHORELINE AND ALONGSHORE DETAILS:

SHORELINE AND ALONG SHORE DETAILS WERE COMPILED WITHOUT THE BENEFIT OF FIELD INSPECTION.

THE MEAN HIGH WATER LINE WAS DELINEATED BY LEVELING THE KELSH MODELS AT THE ELEVATION OF THE WATER SURFACE OF THE PHOTO-GRAPHY, THE PREDICTED STAGE OF TIDE OF WHICH WAS 22.4 FT. ABOVE MEAN LOWER LOW WATER. BY RAISING THE TRACING TABLE OF THE INSTRUMENT UP TO THE PUBLISHED MEAN HIGH WATER FOR FIRE ISLAND, ALASKA, AND THE LAND SURFACE ALONG THE SHORELINE AT THIS POINT WAS CONTOURED AS THE MEAN HIGH WATER LINE.

### 36. OFF SHORE DETAILS:

ROCKS OFFSHORE WERE OFFICE IDENTIFIED AND THEIR HEIGHTS DETERMINED STEREOSCOPICALLY. THE LIMIT OF THE FORESHORE WAS DELINEATED FROM THE PHOTOGRAPHY WITH A PREDICTED TIDE OF 22.4 FT.

\* Inapplicable to this Map, T-12016.

### 48. GEOGRAPHIC NAME LIST:

GEOGRAPHIC NAMES WERE INDICATED ON A COPY OF NAUTICAL CHART No. 8557.

ANCHORAGE
CHESTER CREEK
COOK INLET
FISH CREEK
KNIK ARM
SHIP CREEK
TURNAGAIN HEIGHTS

### T-12016

### 49. Notes to the Hydrographer:

THE PREDICTED STAGE OF TIDE 18 17.0 FT. ABOVE MLLW AT TIME OF PHOTOGRAPHY.

THE MHW LINE WAS DETERMINED BY LEVELING THE KELSH MODELS ON THE WATER SURFACE AND THEN RAISING THE TRACING TABLE 11.9 FT. TO COME UP TO THE MHW OF 28.9 FT. WHICH IS THE PUBLISHED MHW FOR ANCHORAGE, ALASKA. THE LAND SURFACE AT THIS ELEVATION WAS CONTURED AS THE MHW LINE.

ROCK HEIGHTS WERE DETERMINED STEREOSCOPICALLY BY USE OF THE KELSH INSTRUMENT.

REFER TO LAST PARAGRAPH FOR T-12013.

USCOMM-DC 16282-P61

C&GS FORM 1002 (11-13-61)		NCOMPLETE	MANUSCRIPT	S, DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY
		TOGRAMMET	RIC OFFICE REVIEW 0968 12016	
1. PROJECTION AND GRIDS	2 TITLE	<del></del>	3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
X	\ x		· <b>x</b>	X
CONTROL STATIONS			<u> </u>	
5. HORIZONTAL CONTROL STA THIRD-ORDER OR HIGHER A	ATIONS OF CCURACY	6. RECOVER AB OF LESS TH (Topographic	LE HORIZONTAL STATIONS AN THIRD-ORDER ACCURACY stations)	7. PHOTO HYDRO STATIONS
X			None	None
8, BENCH MARKS	9. PLOTTING C	F SEXTANT	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
None	N	ONE	x	x
ALONGSHORE AREAS (Nautical			·	
12. SHORELINE	13. LOW-WATER	RLINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
X	N	ONE	<b>x</b>	) x
16. AIDS TO NAVIGATION	17. LANDMARK	S	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
None	×		×	x
PHYSICAL FEATURES				
20. WATER FEATURES		21. NATURAL	ROUND COVER	22. PLANETABLE CONTOURS
×			<b>X</b>	INAPPLICABLE
23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS	IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
INAPPLICABLE	lı	NAPPLI CABLE	None	x
CULTURAL FEATURES	1 30 DIVI DIVIGO		1.00	[ 20 ]
27. ROADS	28. BUILDINGS	•	29. RAILROADS	30. OTHER CULTURAL FEATURES
X	x	<del></del>	x	x
31. BOUNDARY LINES			32, PUBLIC LAND LINES	
-	ONE		None	
MISCELLANEOUS				
33. GEOGRAPHIC NAMES		34, JUNCTIONS		35. LEGIBILITY OF THE
X			×	x
36. DISCREPANCY OVERLAY	37. DESCRIPTI	VE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
X 40. REVIEWER	<u> </u>		X	x
D MI	Illian	0	SUPERVISOR, BEVIEW SECTION	
D. N. WILLIAMS J. EDWARD DEAL			eal scent	
41. REMARKS (See attached shee		MAN TO THE "	AMILECOIRT	
42. Additions and corrections	furnished by th	e field completi		to the manuscript. The manu-
script is now complete exc	ept as noted und	1er item 45.	SUPERVISOR	
D. N. Williams J. Edward Deal				
43. REMARKS				

U.S. DEPARTMENT OF COMMERCE IC SURVEY COAST AND GEO

# T-120 NAUTICAL CHART BRANCH

# MODERACO STRUCK AND SEASON LANDIMARKS FOR CHARTS

STRIKE OUT TWO

MOKER WENNERSK MOKER DE DE DE DE DE

TO BE CHARTED

C&GS FORM 54

PORTLAND, OREGON

., 19 63 20 FEB.

I recommend that the following objects which kave (have not) been inspected from seaward to determine their value as landmarks be charted on (designation) the charts indicated.

D. N. WILLIAMS The positions given have been checked after listing by

T- 12016

STATE

CHARTS 8553 8553 8553 8557 8557 8557 8557 8557 8557 OFFSHORE CHART INCHORE CHART × ×× × ×× × TRAND ROSEAN 2-20-63|X LOCATION 6-2-61 FRED NATELLI DATE . = \* = ٠ METHOD OF LOCATION AND BURVEY No. TRIANG ULATION Рно то COMP # r . N.A. 1927 DATUM = - = .= · # 527.2 303.5 05,598 83.6 35.333 118.2 0.5 8.0 D. P. METERS 464.2 6. 5 LONGITUDE # POSITION 149 52 2 32 55 149.54 57 149 149 149 778.3 149 46.483 1438.8 25.193 D.M.METERS 1203.0 1199.1 38.865 9.9 27.7 LATITUDE\* 7 7 13 ÷ 6 61 6 61 6 5 BIGNAL ELEV. TANK, 1947 SKELETON STEEL TOWER ANCHORAGE, STA. KEN! TWR., 1954 ANCHORAGE, STA, KFQD TWR, 1954 CUPOLA ON TALL BUILDING ANCHORAGE, ALASKA R.R., DESCRIPTION CUPOLA ON BUILDING MAST ON BUILDING ALASKA CHARTING TOWER CUPOLA CUROLA R.MAST R. TR.

TANK

S

Positions of charted	The data should be	
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

NOT IDENTIFIED IN FIELD, BUT PLOTTED ON MANUSCRIPT FROM G.P. 2-5-63. USCOMM-DC 16234-P61

### REVIEW REPORT T - 12015,

### SHORELINE

January 14, 1979

### 61. GENERAL STATEMENT:

The photo plot report January 1963 could not be located at the time of final review.

The field edit report August 1963 could not be located at the time of final review.

\* Both Reports are LOST 2/6/80

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

N.A.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

N.A.

### 64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with verified copy of H-9441 (1974). As expected, there is a conflict with the MHWL position since this manuscript was compiled prior to the March 1964 earthquake.

### 65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 16660 scale 1:194,154 19th Ed. September 10, 1977 and chart 16664 scale 1:40,000 16th Ed. May 28/77. As expected the position of the MHWL differs since this map was compiled prior to the March 1964 earthquake.

### 66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with Project instructions, and meets the requirements for Bureau Standards and National Standards of Map Accuracy.

Submitted by:

Jim Byrd Final Reviewer

Approved for forwarding:

Chief Photogrammetric Branch, AMC

Approved

Chief Photogrammetric Branch

Chief Coastal Mapping Division

Photogrammetry



UNITED STATES DEPARTMENT OF COMMERCE National Oceanic and Atmospheric Administration NATIONAL OCEAN SURVEY Rockville, Md. 20852

C3421/W

March 8, 1977

TO:

Chief, Photogrammetric Branch, C342

Rockville, Maryland

Chief, Photogrammetric Branch, CAM52

Norfolk, Virginia-

FROM:

James Collins

Chief, Coastal Mapping Division

SUBJECT: Job PH-6013

Cancel map T-12017. No record of original compilation, if compiled, can be found. Reassign this map to CM-7310 as a first edition.

Cancel map T-12049(2) as this area is covered by larger scale maps.

Complete the final review of maps T-12003, T-12004, T-12005, T-12006, T-12007, T-12008, T-12015, and T-12016 and forward for registration. No chart maintenance prints required.

Retain all Archive material with remainder of the job. Job completion report to be submitted only upon completion of entire project.

CC: C344 C3442 CAM521



