T-12672 and 12673

T-12672 and 12673

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

PH-6412

Type of Survey: Shoreline

Field No.: Office No.: T-12672 & T-12673

LOCALITY

State: Alaska

General locality: Resurrection Bay

Locality: Seward

19 64 - 1965

CHIEF OF PARTY

J. B. Watkins, Chief of Party
Div. of Photogrammetry, Wash., D.C.

LIBRARY & ARCHIVES

DATE

USCOMM-DC 5087

FORM C&GS-181a
(12-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T-- 12722, 23, 24; 12672,73

PROJECT NO. (II):

PH-6412 21423(5)

FIELD OFFICE (II):	CHIEF OF PARTY
	J. B. Watkins
PHOTOGRAMMETRIC OFFICE (III):	**OFFICER-IN-CHARGE**
Washington, D. C.	J. E. Waugh

INSTRUCTIONS DATED (II) (III):

29 Sept., 1965, Smooth Sheet Compilation,
PH-6412, Seward, Alaska.

METHOD OF COMPILATION (III):

Stereoplotter, B-8

MANUSCRIPT SCALE (III):	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):
1:5,000 = T-12722, 23, 24 1:10,000 = T-12672, 73	Same as manuscript scale
DATE RECEIVED IN WASHINGTON OFFICE (IV):	**DATE REPORTED TO NAUTICAL CHART BRANCH (IV):**

APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV):
		23 MAX 78

GEOGRAPHIC DATUM (III):	VERTICAL DATUM (III):
NA-1927	MEAN SEA LEVEL EXCEPT AS FOLLOWS: *Elevations shown as (25) refer to mean high water* *Elevations shown as (5) refer to sounding datum i.e., mean low water or mean lower low water*

REFERENCE STATION (III):

LAT.:	LONG.:	☐ ADJUSTED ☐ UNADJUSTED

PLANE COORDINATES (IV):	STATE	ZONE
X =		

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.

FORM C&GS-181b
(12-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): J. B. Watkins	DATE: 9/16/65 5/7/65
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Date of photography (1965 infrared for Seward) and Field Inspection.	
PROJECTION AND GRIDS RULED BY (IV): A. E. Roundtree	DATE 9/28/65
PROJECTION AND GRIDS CHECKED BY (IV): R. Glaser	DATE 9/29/65
CONTROL PLOTTED BY (III): J. B. Phillips	DATE 10/4/65
CONTROL CHECKED BY (III): J. C. Richter	DATE 10/4/64
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):	DATE
STEREOSCOPIC INSTRUMENT COMPILATION (III): PLANIMETRY J. B. Phillips J. C. Richter	DATE 10/4/65 thru 10/19/65
CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): T-12672 - J.C. Richter T-12673 - M. Webber T-12722 - J.B. Phillips T-12723 - J.P. Battley T-12724 - M. Webber	DATE 10/7/65 thru 10/23/65
SCRIBING BY (III):	DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):	DATE

REMARKS:

FORM C&GS-181c
(12-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

Wild RC-8, 6-inch focal length

PHOTOGRAPHS (III)

	NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
4	64-S-7795 - 7800	29 Aug. 64	9:36 - 9:38	1:15,000	1.6' above MLLW
3	64-S-7843 - 7848	"	10:08 -10:10	1:15,000	1.6' " "
2	64-S-7890 - 7899	"	10:36 -10:38	1:15,000	1.6' " "
1	64-S-7865 - 7880	"	10:30 -10:32	1:15,000	1.6' " "
	65-L-5511 - 5515	6 Aug. 65	10:26	1:10,000	5.7' " "

TIDE (III) Diurnal

	RATIO OF RANGES	MEAN RANGE	~~SPRING~~ RANGE
REFERENCE STATION: Cordova, Alaska			
SUBORDINATE STATION: Seward, Resurrection Bay		8.3	10.6
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV): J.B. Phillips — DATE: February 1978

PROOF EDIT BY (IV): — DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): — RECOVERED: — IDENTIFIED:

NUMBER OF BM(S) SEARCHED FOR (II): — RECOVERED: — IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

REMARKS:

Rock datum furnished by field inspection adjusted from actual hourly readings provided by Tides and Currents Branch.

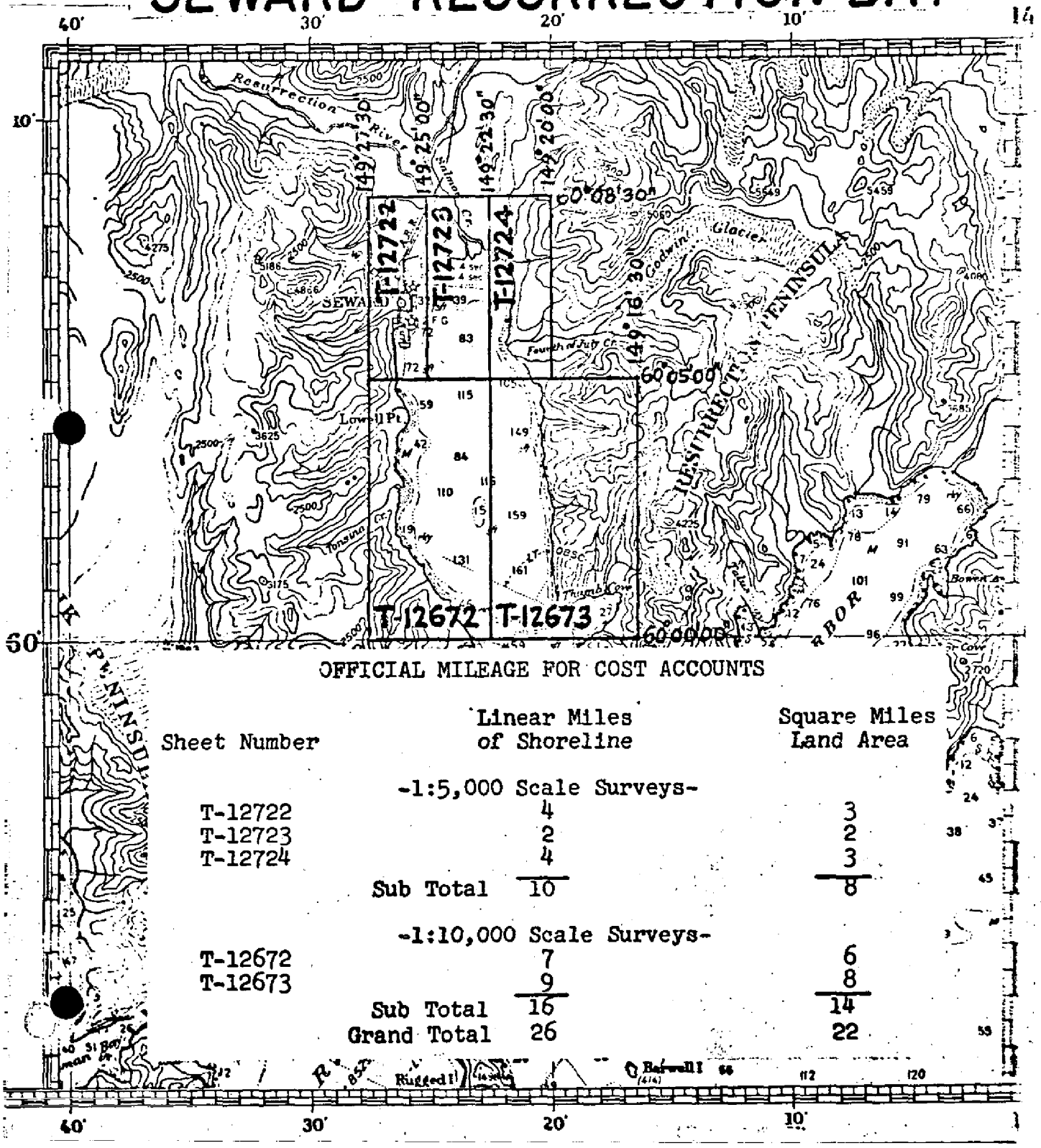
PROJECT 21423 (3)

SHORELINE MAPPING

1:5,000 - 1:10,000 SCALE

ALASKA

SEWARD - RESURRECTION BAY



OFFICIAL MILEAGE FOR COST ACCOUNTS

Sheet Number	Linear Miles of Shoreline	Square Miles Land Area
-1:5,000 Scale Surveys-		
T-12722	4	3
T-12723	2	2
T-12724	4	3
Sub Total	10	8
-1:10,000 Scale Surveys-		
T-12672	7	6
T-12673	9	8
Sub Total	16	14
Grand Total	26	22

Summary to Accompany Descriptive Report
T-12722, T-12723, T-12724 and T-12672, T-12673

This series of five shoreline maps in Project PH-6412 covers Resurrection Bay, Alaska, from latitude 60° northward to its extremity. This includes the town of Seward. The field operations preceding compilation included shoreline and foreshore field inspection, the recovery and establishment of horizontal control and field identification of hydrographic signal sites. Compilation was done entirely by Wild B-8 stereoplotter methods. The manuscripts are compiled at two different map scales. T-12722 through T-12724 are 1:5,000 scale and T-12672 and T-12673 are 1:10,000 scale. The Descriptive Report for the five maps of the two separate number sequences will be one combined report. One copy of the combined report will be filed under T-12722 through T-12724 and a duplicate copy will be filed under T-12672 and T-12673. The maps are not field edited. Some additional rock elevation data was provided on (1) near-shore rocks and (2) hydrographic signals during the 1965 season hydrographic operations. Extensive office-applied revision work was done in the Seward area from 1965 infrared photography. The maps will be registered without any additional field checks.

The Director May 7, 1965

Commanding Officer, Ship HODGSON

Field Report, Shoreline Mapping - Seward, Resurrection Bay, Alaska
Project 21423 (5)

Subject photo identification was accomplished during the week of May 3 through May 7. As per previous conversation and agreement with Chief, Operations Branch, Photogrammetry Division, the data is submitted at this time to allow re-compilation and provision of incomplete manuscripts to this vessel prior to hydrography. It is estimated that hydrography will begin about mid or late June.

Major difficulties encountered were weather and lost control. During the entire period strong winds, snow, sleet and rain prevailed. A number of the stations requested were not recoverable and substitutions were necessary (ref my telcon of 5/4/65, your TWX 051525Z, my TWX 060500Z).

Stations recovered as requested were:

Beyond
Middle II
Bluff

Substitutions were as follows:

Deacon 1964 -	substituted	for	Brad II
Seward 1964 -	"	"	Slide
Silver 1964 -	"	"	Head

Station Mast 1965 was re-established in the vicinity of station Radio Tower #1 1927. Station Forth (temperary) was established in place of station Flat - 3. Station Mill (temperary) was established in place of Seward North Base (USE) (reference my TWX 051525Z).

It was not possible to recover and identify station Bill or Bill 2 (USE), however a U.S. Engineers mark, unstamped, was recovered in this vicinity and a single triangle was observed to place a position on this mark. (ref. your TWX 051525Z)

Station Caines Head Light and station Turn were not identifiable per-se. A short base was layed approx ½ mile north and a sub point was baselined from station Thumb Cove Light (USE).

Time did not permit the computations of positions, however triangles were computed for necessary side checks and lengths. Side check at sub point for station Turn was admittedly weak, however due to inclement weather it is felt that this will surfice. Re-observation would cost at least 2 to 3 days.

All photographs, cronflex, etc. are submitted for re-compilation of topographic sheets and returned to this ship prior to hydrography as per paragraph 1 above.

Respectfully submitted,

John B. Watkins Jr.
CDR, USC&GS
Comdg., Ship HODGSON

Form CD-121 (4-63) (Pres. by A.O. 206-10)

UNITED STATES GOVERNMENT

Memorandum

6320 Mr Heywood

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

~~631~~

TO : Chief, Photogrammetry Division

DATE: September 16, 1965

In reply refer to:

FROM : Commanding Officer
USC&GSS HODGSON

SUBJECT: Project 21423(5), Resurrection Bay, Photo Hydro signals

As per our telcon of September 15, there was forwarded this date the preliminary manuscripts, photo hydro photos, ozalids and other pertinent data pertaining to subject project.

The rock heights requested on the notes to the hydrographer have been noted on the ozalids, giving height above water, date and time. Tidal datum data will have to be obtained from the Washington office since this information was not available in the field.

In addition to the signals originally selected and shown on the preliminary manuscripts, certain other signals were selected. These are shown in red on the photo hydro photographs. It is requested that all be shown on the final manuscripts. Additionally it would be desireable to show the following triangulation stations or provide their geodetic position.

BAYEND		1964
FORTH (temp.)		1965
MIDDLE 2	1927 &	1965
BLUFF	1905 &	1965

65L5510-15
ORD 2X OK MATTS
FOR 9/30/65

You will note that the area to the north of the city of Seward in the NW corner of the bay has been indicated in red on the photos as being an area of construction and substantially changed. It is my understanding that the air photo mission obtained a stereo-triplet of this area in early July. Consequently I would like to suggest that these photographs be used in the plot, if possible, to show the area as it actually exists now.

There will be more changes in that area during the winter due to more construction and it will doubtless be necessary to make further additions to the maps next summer. These will however be minor and can probably be accomplished by returning the 1965 photos to the field for a field inspection and edit.

Priority for the need of these manuscripts is as follows.

1. T-12722, 12723, 12724 (1/5000)
2. T-12672, 12673 (1/10,000)

Al, please instruct compilers to comply with this request. We should push job.

[signature]

BUY U.S. SAVINGS BONDS REGULARLY ON THE PAYROLL SAVINGS PLAN

During the accomplishment of hydrography a number of the signals shown only on the 5,000 manuscripts were needed and used on the 10,000 boat sheet. It is therefore desirable that the completed 5,000 manuscripts be provided at both scales for signal and shoreline needs.

John B. Watkins

John B. Watkins, Jr.

Resurrection Bay, Alaska
PH-21423(5)

Photogrammetric Plot Report
September 22, 1965

21. Area Covered

The area of horizontal control extension in this operation covers Resurrection Bay as far southward as the 60th parallel.

22. Method

Four strips of photography were bridged by stereoplanigraph methods. All strips were adjusted by 1620 methods.

Strip 1 was adjusted using 4 control points; Strip 2, using 3 control points; Strip 3, using 3 control points and Strip 4, using 3 control points. Tie points were meaned. All bridge points were drilled in the emulsion of the diapositives.

23. Adequacy of Control

Distribution of control tended to be heavy at the northern portion of the strips with Strip 3 not balanced as well as it might have been. It was, however, satisfactory.

A shift in ground control station positions on the eastern side of the bay was not detected in field work on control identification and/or establishment. This shift was due to an earthquake in this vicinity. Using the erroneous ground control station positions resulted in lack of fit in the adjustment of Strip 1. After additional field work was performed to investigate this movement, Strips 1 and 4 were adjusted so that virtually every control station had an adjustment error no greater than ± 2 feet. One exception to this close scheme fit was Bill 3, Substitute Station "C" which was a difficult point to office identify.

The bridges all meet the pertaining standards of the National Standards of Map Accuracy.

24. Supplemental Data

U.S.G.S. Quad. Seward (A-7), Alaska, 1951 Edition. Scale 1:63,360 was used to establish vertical control points where necessary.

25. Photography

Photography was adequate in coverage, overlap and definition.

26. Plotting Coordinates

Plotting coordinates are furnished at 1:5,000 and 1:10,000 where required.

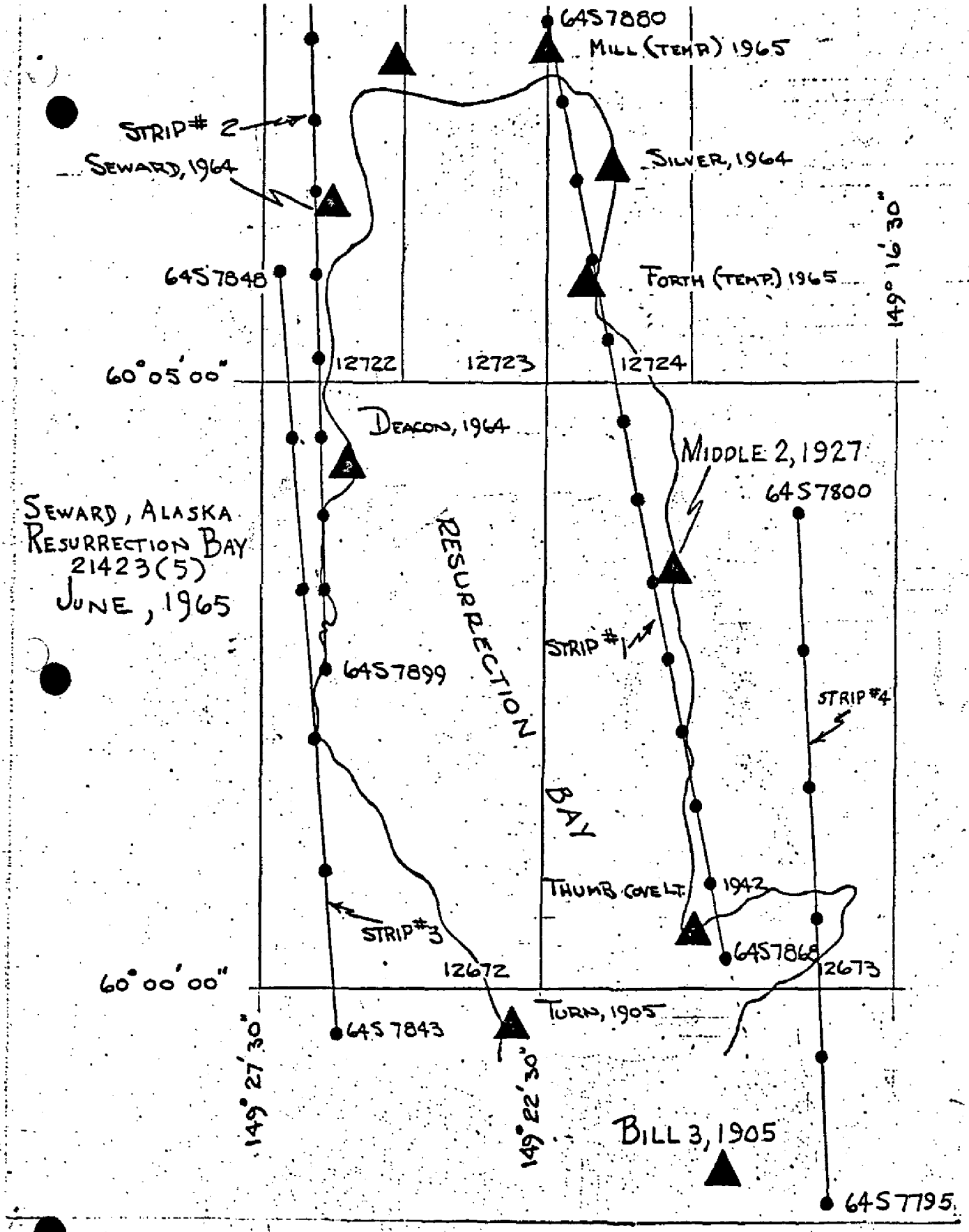
27 through 30 - not applicable

Submitted by:

Wallace Heinbaugh

Approved by:

John D. Perrow, Jr.



Photogrammetric Plot Sketch
PH-6412

Compilation Report
T-12722, T-12723, T-12724,
T-12672, T-12673
October 1965

31. Delineation

Instrument methods, B-8 stereoplotter, were used to delineate the five manuscripts. Individual work sheets for each model were compiled and these work sheets were transferred in ink to their respective map manuscripts. The field inspection of shoreline was not complete but was sufficiently adequate to provide a basis for compiling the areas not having a field provided mean high water line.

The area of Seward was compiled from 1965L photography using photographs 65-L-5512 through 5514. No field inspection was available. Large changes have occurred along the Seward waterfront with the building of installations, boat basins, etc., since the date of the August 1964 photography.

32. Control

Refer to Photogrammetric Plot Report, Resurrection Bay, Alaska, PH-6412, 21423(5), September 22, 1965.

33. Supplemental Data

None

34. Contours and Drainage

Not applicable

35. Shoreline and Alongshore Details

Shoreline inspection was adequate as noted under paragraph 31. The shoreline, waterfront structures and other details shown in the Seward area are based on office interpretation of the later 1965 infrared photography. T-12723 consists almost entirely of a low marshy shoreline fronted by extensive mud flats. This type of shoreline, ordinarily difficult to delineate without complete field inspection, was done sucessfully on the B-8 plotter since the vertical datum of the shoreline could be maintained relatively accurately. This same situation occurs on T-12724 in the delta area of Fourth of July Creek.

Approximate low water lines were delineated from office interpretation of the photographs.

36. Offshore Details

No unusal problems were encountered in compiling a limited number of offshore features. These features were primarily individual rocks some of which were provided with field determined heights above water and reduced to proper datum during compilation (see 181C of Data Record, Remarks).

37. Landmarks and Aids

Forms 567 have not been submitted. There are no landmarks or aids to navigation.

38. Control for Future Surveys

Forms 524 have not been submitted. There are no recoverable topographic stations.

Paragraph 49 lists the photo-hydro stations by T-sheet numbers. Signal number 2202, on T-12722, has been destroyed due to construction work.

39. Junctions

All junctions between adjoining maps are in agreement. Refer to project sketch for map layout.

40. Horizontal and Vertical Accuracy

See paragraph 32 for reference.

41. through 45.

Not applicable

42. Comparison with Existing Maps

The map manuscripts have been compared with U.S.G.S. Seward (A-7), Alaska quadrangle map, scale 1:63,360, dated 1951.

47. Comparison with Nautical Charts

The map manuscripts were compared with Nautical Chart 8529, scale 1:81,847, 5th Edition, corrected to December 4, 1964. The chart includes a 1:10,000 scale inset of Seward.

The revised chart section attached to the Seward inset covers, in general, the changes that have occurred there and is in approximate agreement with the detail as it occurs on the 1965 photography. Construction is still in progress and a final comparison cannot be made with the chart.

Items to be Applied to Nautical Charts Immediately: None

Items to be Carried Forward: None

Submitted by:

J. B. Phillips

J. B. Phillips

Approved by:

K. N. Maki

K. N. Maki
Chief, Compilation Section

NOTES TO HYDROGRAPHER

PROJECT 21423(5) SEWARD, ALASKA

SHEET T-12672

THE HEIGHTS OF ROCKS, LISTED BELOW, ARE NEEDED FOR MAPPING PURPOSES. THE POSITIONS AS LISTED WERE SCALED FROM PRELIMINARY MANUSCRIPTS. NO OTHER OFFSHORE OBJECTS REQUIRING INVESTIGATION BY THE HYDROGRAPHIC PARTY WERE NOTED.

ROCKS

LAT. 60° 03' 55"		LONG. 149° 26' 25"	Bare 16' @ 1523, 8/27/65
60° 02' 45"		149° 26' 20"	Covered at MHW
60° 01' 53"		149° 26' 15"	Bare 2' @ 1500, 8/27/65
60 03 37		149 26 25	Bare 12' @ 1520, 8/27/65

THE FOLLOWING PHOTO-HYDRO STATIONS WERE LOCATED DURING THE RADIAL PLOT.

No.	DESCRIPTION	PHOTO
7201	CENTER OF OFFSHORE ROCK	64 S 7847
7202	NORTH CORNER OF L-SHAPED DOCK	64 S 7847
7203	INSHORE CORNER OF BARGE	64 S 7846
7204	HIGHEST POINT ON NORTH PORTION OF ROCK	64 S 7846
7205	NORTH CORNER OF PLATFORM AT END OF DOCK	64 S 7844

NOTES TO HYDROGRAPHER

PROJECT 21423(5) SEWARD, ALASKA

SHEET T-12673

THE HEIGHTS OF ROCKS, LISTED BELOW, ARE NEEDED FOR MAPPING PURPOSES. THE POSITIONS AS LISTED WERE SCALED FROM PRELIMINARY MANUSCRIPTS. NO OTHER OFFSHORE FEATURES REQUIRING INVESTIGATION BY THE HYDROGRAPHIC PARTY WERE NOTED.

ROCKS

LAT. 60° 04' 27"		LONG. 149° 20' 27"	Bare 6' @ 1105, 8/31/65
60° 03' 58"		149° 20' 30"	awash at 1100 8/31/65
60° 03' 29"		149° 20' 29"	Bare 3' at 1057, 8/31/65
60° 03' 18"		149° 20' 25"	Bare 2' at 1055, 8/31/65
60° 02' 39"		149° 20' 06"	Bare 8' at 1052, 8/31/65
* 60° 01' 19"		149° 20' 04"	32' above water, 0920, 8/31/65
** 60° 00' 29"		149° 19' 50"	Bare 2' at 0925, 8/31/65

THE FOLLOWING PHOTO-HYDRO STATIONS WERE LOCATED DURING THE RADIAL PLOT.

No.	DESCRIPTION	PHOTO
7301	LONE TREE	64 S 7801
7302	SOUTHEASTERLY TREE	"
7303	LARGE ROCK	"
7304	LARGE ROCK	64 S 7800
7305	LARGE ROCK	64 S 7799
7306	NORTHEASTERLY OF TWO ROCKS	64 S 7798
7307	ROCK	64 S 7797
7308	HIGHEST POINT OF ROCK	"
7309	ROCK AT M.H.W.	"
7310	LONE BUSH	"
7311	LARGE ROCK	"
7312	N. CORNER BUILDING	"
7313	ROCK	"

* Rk adjacent, 5M to N, Bare 1' at 0920, 8/31 ...

** Rk adjacent, 15M SE, Bare 3' at 0920, 8/31/65

NOTES TO HYDROGRAPHER

PROJECT 21423(5) SEWARD, ALASKA

SHEET T-12722

THE HEIGHTS OF THE ROCKS, LISTED BELOW, ARE NEEDED FOR MAPPING PURPOSES. THE POSITIONS AS LISTED WERE SCALED FROM PRELIMINARY MANUSCRIPTS. NO OTHER OFFSHORE OBJECTS REQUIRING INVESTIGATION BY THE HYDROGRAPHIC PARTY WERE NOTED.

ROCKS

LAT. 60° 07' 17"	LONG. 149° 25' 47"	In Fill area for New Pier facilities -
60° 07' 08"	149° 26' 13"	
60° 06' 53"	149° 26' 11"	Not here

THE FOLLOWING PHOTO-HYDRO STATIONS WERE LOCATED DURING THE RADIAL PLOT:

No.	DESCRIPTION	PHOTO.
2201	NORTHEASTERLY TREE	64 S 7891
2202	BOW OF STRANDED BOAT	64 S 7892
2203	BUSH	"
2204	NE. GABLE T-SHAPED BUILDING	"
2205	FLAGPOLE	"
2206	CHURCH SPIRE	64 S 7893
2207	CENTER OF TANK (NORTH OF TWO)	64 S 7894
2208	EAST GABLE	"
2209	SOUTH DORMER OF LARGE BUILDING	"
2210	SOUTH CORNER OF LARGE BUILDING	"
2211	CENTER OF CIRCULAR OBJECT IN WATER	"
2212	SOUTH ROCK OF TWO	"
2213	CENTER OF NORTH ROCK	"

NOTES TO HYDROGRAPHER

PROJECT 21423(5) SEWARD, ALASKA

SHEET T-12723

THE TWO PHOTO-HYDRO STATIONS LISTED BELOW WERE LOCATED DURING THE RADIAL PLOT.

NO OFFSHORE FEATURES REQUIRING INVESTIGATION BY THE HYDROGRAPHIC PARTY WERE NOTED.

No.	DESCRIPTION	PHOTO.
2301	CUPOLA	64 S 7784
2302	WEST GABLE LARGE BUILDING	64 S 7880

None Noted during Survey

NOTES TO HYDROGRAPHER

PROJECT 21423(5) SEWARD, ALASKA

SHEET T-12724

THE HEIGHTS OF ROCKS, LISTED BELOW, ARE NEEDED FOR MAPPING PURPOSES. THE POSITIONS AS LISTED WERE SCALED FROM PRELIMINARY MANUSCRIPTS. NO OTHER OFFSHORE OBJECTS REQUIRING INVESTIGATION BY THE HYDROGRAPHIC PARTY WERE NOTED.

ROCKS

LAT. 60° 06' 07" LONG. 149° 21'49" — Bares 5' @ 1045 - 8/31/65
60° 05' 01" 149° 21'04" — No Rk Here.

THE FOLLOWING PHOTO-HYDRO STATIONS WERE LOCATED DURING THE RADIAL PLOT.

No.	DESCRIPTION	PHOTO.
2401	LONE ROCK	64 S 7879
2402	LONE ROCK	"
2403	TREE	"
2404	ROCK	"
2405	ROCK	64 S 7878
2406	WEST GABLE BUILDING	"
2407	ROCK	64 S 7877
2408	ROCK	"
2409	LONG TREE	"
2410	ROCK	"
2411	NORTHWESTERLY OF TWO BUSHES	64 S 7876

Commanding Officer
USC&GS Ship HODGSON

October 5, 1965

631

Chief, Photogrammetry Division

Shoreline for Smooth Sheets - Seward, PH-6412 and Cordova, PH-6409

The bridging for both the Seward and Cordova jobs has been completed. Final adjustments were satisfactory.

Compilation of the Seward job is in progress here in Washington, D. C. The 1965 1:10,000 scale photography of Seward will be used for delineating new harbor facilities and boat basin. Advance sheets T-12723 and T-12724 will be furnished about October 20, T-12722 about October 25, and T-12672 and T-12673 by October 29.

The photo mission did not obtain the low altitude flight over Cordova. The infrared photography will be used for updating the harbor facilities.

A sketch of the Cordova job is attached. We have indicated in blue the area where we believe you will require shoreline for smooth sheets. Incomplete surveys T-12644 thru T-12653 at 1:10,000 scale and T-12804 thru T-12806 at 1:5,000 scale were furnished to you last spring. Except for the Cordova area and a small part of T-12807, we assume that the shoreline as furnished was found to be adequate. If not, please inform and send field edit data for application to the map manuscripts.

We will go ahead with revision of the Cordova area T-12806 and T-12653 using the infrared photography. This shoreline will be furnished to you about October 22.

The problem is more difficult for 1:20,000 scale map T-12807. Control has not been extended for mapping west of T-12651. Please inform me if that area is required. We will then attempt to extend the plot a model or so westward.

/s/ J. E. Waugh
J. E. Waugh

Attachment

Correspondency

Chief, Photogrammetric Branch

September 29, 196

WSC-6320

Chief, Photogrammetry Division

Instructions, Smooth Sheet Compilation, Job PH-6412, Seward, Alaska

Three 1:5,000 scale maps and two 1:10,000 scale maps comprise subject project.

These maps were compiled last season as Preliminary by Radial Plot methods for use in hydrographic operations.

Hydrography is now complete and advance copies are needed for smooth sheet compilation.

The area has been bridged by stereoplanigraph methods on control furnished by the Ship HODGSON and adjusted by Geodesy.

The re-compilation of these maps by graphic or B-8 methods using stereoplanigraph control is assigned to your branch.

All data such as preliminary manuscripts, photo hydro photos, ozalids with field inspection, control, IBM readouts, new projections, plates and ratio prints of new photography over Seward will be furnished.

Certain additional information is requested by Commander Watkins, Commanding Officer of Ship HODGSON outlined in his memo of September 16, 1965. A copy of this memo is attached and shall be complied with.

Complete the compilation and furnish 2 cronaflex copies, one to our files and one to the Seattle Processing Office by October 30, 1965.

Charge 75% of all costs to Program Code 22001627 and 25% to 22001628.

/s/ J. E. Waugh
J. E. Waugh

Attachment

cc:
6314, 6321, 6324

Final Review Report

PH-6412
Shoreline Survey

T-12672, T-12673, T-12722, T-12723 and T-12724
February, 1978

61. General Statement

This is a combined report covering five maps. Since there are two separate number sequences, one copy will be filed with T-12672, T-12673 and a duplicate copy will be filed under T-12722, T-12723 and T-12724.

62. thru 64. Inapplicable

65. Comparison with Nautical Charts

The maps were compared with chart: 16682 (8529) 1:81,847 scale 5th Edition, 12-4-1964. The chart includes a 1:10,000 scale inset of Seward, Alaska.

The Chart revision Section updated the inset area with 1967 photography. In July 1972 Department of Highways photography was used for additional updating. The later compiled revision surveys should be used in lieu of the compiled areas of T-12722 covering the chart inset area.

66. Adequacy of Results and Future Surveys

The maps meet the National Standards of Map Accuracy and complies with Bureau requirements.

Submitted by,

J. B. Phillips

J. B. Phillips
Cartographer

Approved and Forwarded:

John D Perrow Jr.

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division

DRM C&GS-1
-64)
SCOMM-DC
559-P64

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

T-12722, T-12723, T-12724

DESCRIPTIVE REPORT CONTROL RECORD

New Positions

(1)

MAP T- 12672, T-12673 PROJECT NO. PH-6412 SCALE OF MAP 1:5,000 1:10,000 SCALE FACTOR —

STATION	SOURCE OF INFORMATION (INDEX)	DATUM NA-1927	LATITUDE OR X COORDINATE / LONGITUDE OR Y COORDINATE	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION IN METERS (1 Ft. = 3048006 meter) FORWARD (BA
THUMB COVE LT. 68111			622,274.26	
			2,195,295.15	
" " " 68112 S.S.	IBM		622,268.69	
			2,195,309.94	
BILL 3			624,376.36	
			2,183,225.94	
" " 65111 S.S. 1	IBM		624,423.04	
			2,183,237.10	
" " 65112 S.S. 2	"		624,341.94	
			2,183,232.27	
" " 96111 S.S. C	"		624,369.35	
			2,183,009.75	
" " 96112 S.S. D	"		624,327.13	
			2,182,957.16	
SILVER (1964)			616,646.08	
			2,232,000.97	
" 78110 S.S. A	IBM		(B) 616,467.95	
			(B) 2,231,906.57	
" 78111 S.S. B	"		616,445.88	
			2,232,032.74	
MAST (1964)			608,774.20	
			2,237,953.74	
" S.S.	IBM		608,773.90	
			2,237,981.54	

COMPUTED BY DATE CHECKED BY DATE

FORM C&GS-144
(64)
COMM-DC
59-P64

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

T-[illegible]22, T-12723, T-12724

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 12672, T-12673 PROJECT NO. PH-6412 SCALE OF MAP 1:5,000 1:10,000 SCALE FACTOR —

2/3

STATION	SOURCE OF INFORMATION (INDEX)	DATUM NA-1927	LATITUDE OR X COORDINATE / LONGITUDE OR Y COORDINATE	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION L IN METERS (1 Ft. = 3048006 meter) FORWARD (BAC
DEACON (1964)			602,172.84 ✓	
			2,220,475.61 ✓	
97112 S.S. A	IBM		602,258.51 ✓	
			2,220,552.03 ✓	
97111 S.S. B	"		601,893.78 ✓	
			2,220,183.69 ✓	
BAYEND (1964)			605,800.45 ✓	
			2,238,373.50 ✓	
92110 S.S. A	IBM		605,756.18 ✓	
			2,238,546.11 ✓	
92111 S.S. B	"		605,981.35 ✓	
			2,239,322.08 ✓	
SEWARD (1964)			602,211.73 ✓	
			2,230,792.20 ✓	
94110 S.S. A	IBM		602,227.54 ✓	
			2,230,784.94 ✓	
94111 S.S. B	"		602,154.55 ✓	
			2,230,783.11 ✓	
MIDDLE 2 (1927)			620,473.19 ✓	
			2,213,121.67 ✓	
74110 S.S. A	IBM		620,461.49 ✓	
			2,213,146.22 ✓	
74111 S.S. B	"		620,452.96 ✓	
			2,213,125.56 ✓	

COMPUTED BY DATE CHECKED BY DATE

FORM C&GS-1
(3-64)
USCOMM-DC
8659-P64

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT CONTROL RECORD

MAP T-12672, T-12673 PROJECT NO. PH-6412 SCALE OF MAP 1:5,000 / 1:10,000 SCALE FACTOR —

(3)

STATION	SOURCE OF INFORMATION (INDEX)	DATUM NA-1927	LATITUDE OR X COORDINATE / LONGITUDE OR Y COORDINATE	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION IN METERS (1 Ft. = 3048006 meter) FORWARD (BA
✓ MILL (1965)			613,554.721 ✓	
			2,237,785.71 ✓	
80110 S.S. A	IBM		613,730.26 ✓	
			2,238,254.95 ✓	
80111 S.S. B	"		613,737.54 ✓	
			2,238,115.64 ✓	
✓ FORTH (1965)			615,964.39 ✓	
			2,226,781.24 ✓	
77110 S.S. A.	IBM		616,427.06 ✓	
			2,227,084.45 ✓	
77111 S.S. B	"		616,078.80 ✓	
			2,226,901.86 ✓	
44110 TURN (S.S. A) (NEAR TURN)	Comp.		609,588.27 ✓	
			2,195,414.76 ✓	

COMPUTED BY | DATE | CHECKED BY | DATE

GEOGRAPHIC NAMES
Ph 21423 (Seward-Resurrection Bay, Alaska)

T-12672 (Shoreline)

Resurrection Bay

Lowell Point

Spruce Creek

Tonsina Creek

Tonsina Point

A. J. Wraight

A. J. Wraight
Geographic Names

GEOGRAPHIC NAMES
Ph 21423 (Seward-Resurrection Bay, Alaska)

T-12673 (Shoreline)

Likes Creek

Porcupine Glacier
Prospect Glacier
out side ~~map~~ delineated area

Resurrection Bay

Resurrection Penninsula

Spoon Glacier - outside ~~map~~ delineated area

Thumb Cove

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

GEOGRAPHIC NAMES
Ph 21423 (Seward-Resurrection Bay, Alaska)

T-12722 (Shoreline)

Jap Creek – *outside map area*

Sowell Creek ? *probably LOWELL CREEK – outside map area*

Resurrection River – *outside map area*

Salmon? *should be SALMON CREEK – outside map area*

Seward
RESURRECTION BAY

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

"outside map area" means outside delineated features since very little planimetry has been drawn other than the shoreline and foreshore details.

GEOGRAPHIC NAMES
Ph 21423 (Seward-Resurrection Bay,
Alaska)

T-12723 (Shoreline)

Resurrection Bay

Resurrection River

Salmon Creek

A. J. Wraight

A. J. Wraight
Geographic Names Section

GEOGRAPHIC NAMES
Ph 21423 (Seward-Resurrection Bay, Alaska)

T-12744 (Shoreline)

Fourth of July Creek

Resurrection Bay

A. J. Wraight

A. J. Wraight
Geographic Names