# 9072 9073

0000

00000

Diag. Cht. No. 8502-3

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey PLANIMETRIC(PHOTOGRAMMETRIC
T-9072
Field No. Ph-8(46) Office No. T-9073

LOCALITY

State ALASKA

General locality BRISTOL BAY

Locality SOUTHEAST SHORE OF KVICHAK BAY FROM: 14 MILES NORTH OF CAPE CHICHAGOF TO \$\mathfrak{T}\$ MILES SOUTH OF NAKNEK RIVER.

194 8....

CHIEF OF PARTY

R.F.A.Studds, Chief of Field Party. W.H.Bainbridge, Portland Photogrammetric Off

LIBRARY & ARCHIVES

DATE Max - 21 - 1953

B-1870-1 (1)

T-9072

Project No. (II): Ph-8 (46) Quadrangle Name (IV):

Ship "PATHFINDER" Field Office (II):

Chief of Party: R.F.A Studds

Photogrammetric Office (III): Portland, Oregon

Officer-in-Charge: W.H. Bainbridge

Instructions dated (II) (III):

19 March 1948

Copy filed in Division of

Photogrammetry (IV) Office Files

Method of Compilation (III):

Graphic

Manuscript Scale (III): 1:20,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III):

None

Date received in Washington Office (IV): 5-18-49 Date reported to Nautical Chart Branch (IV):

Applied to Chart No. 905/ Date: 2-1-50 Date registered (IV): 3-12-53

Publication Scale (IV):

Geographic Datum (III): N.A. 1927 9 June 1954

Note: Will, 1948 is less than third order

Accuracy, so cannot be used to determine the Datum correction

See Form M-2388-12, T-9072. 21BWS

Publication date (IV): -

Vertical Datum (III): Mean Sea

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

Reference Station (III):

WILL, 1948

Lat.: 58° 321 26.180"

Long.: 157° 20' 51. X50"

Plane Coordinates (IV):

State:

The difference bet and N.A. 1927 Datumble lat. plus/

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.

| Field Inspection by (II): Ship   | "PATHFINDER"   | Date:    | Season 1947<br>Season 1948   |
|--|--|----------|------------------------------|
| Planetable contouring by (II):   |  | Date:    |                              |
| Completion Surveys by (II):  | ^  | Date:    |                              |
| located on the 1946 pho  | state date and method of location): The high tographs by the field party. It was the aid of the stereoscope ar | as trans | line was ferred to compiled. |
| Projection and Grids ruled by (IV):  |  | Date:    | ÷.                           |
| Projection and Grids checked by (I   | V):  | Date:    |                              |
| Control plotted by (III):  | John Winniford   | Date:    | 12/8/48                      |
| 1  |  |          | ,                            |
| Control checked by (III):  | James L. Harris  | Date:    | 1/19/49                      |
| Radial Plot or, Stereoscopie-<br>Gentral extension by (III):   | James L. Harris and J.E. Deal  | Date:    | 2/14/49                      |
| The second secon | Planimetry   | Date:    |                              |
| Stereoscopic Ins' hent compilati   | Contours .   | Date:    |                              |
| Manuscri eated by (III):   | John Winniford   | Date:    | 3/1/49                       |
| Photogram Office Review by   | (III): Ree H. Barron   | Date:    | 3/4/49                       |
| Elevations uscript checked b   |  | Date:    |                              |
|  |  |          | 1                            |
|  | Form T-Page 3  |          | M-2618-12(4)                 |

### PHOTOGRAPHS (III)

| Number        | Date    | Time  | Scale    | Stage of Tide                                  |
|---------------|---------|-------|----------|--|
| 14380 & 14381 | 6/10/43 | 11:11 | 1:20,000 | 14.5 ft. above M.L.L.W. 3.5 ft. above M.L.L.W. |
| 17977 & 17978 | 9/25/46 | 9:36  | 1:20,000 |  |

Tide (III)

Reference Station:

NUSHAGAK BAY, ALASKA (Clark Point)

Subordinate Station: Subordinate Station:

Approximation at the mouth of Kvichak

River to be plus 1 hour.

Washington Office Review by (IV): G. B. Willey

Final Drafting by (IV):

m.c. Jours

Drafting verified for reproduction by (IV): Text Hallium

Date: 6-20-52

15.2 19.5

|Ratio of | Mean | SOUTER Ranges Range Range

Diurnal

Date: 8/26/52

Date: 8-.25-52

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (IfI):

7.6

Shoreline (More than 200 meters to opposite shore) (III): Shoreline (Less than 200 meters to opposite shore) (III):

9.6 Statute Miles

None

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II):

Number of BMs searched for (II):

Recovered:

Identified:

Number of Recoverable Photo Stations established (III):

Recovered:

Identified:

Number of Temporary Photo Hydro Stations established (III):

None

None

Remarks:

T - 9073

Project No. (II): Ph-8 (46)

Quadrangle Name (IV):

Field Office (II): Ship "PATHFINDER"

Chief of Party: R.F.A. Studds

Photogrammetric Office (III): Portland, Oregon

Officer-in-Charge: W.H. Bainbridge

Instructions dated (II) (III): 19 March 1948

Copy filed in Division of Photogrammetry (IV) Office Files

Method of Compilation (III):

Graphic

Manuscript Scale (III): 1:20,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): None

Date received in Washington Office (IV) 15-18-49 Date reported to Nautical Chart Branch (IV):

Applied to Chart No. 905 / Date: 2 - 1-50 Date registered (IV): 3-13-53

Publication Scale (IV):

Publication date (IV):

Vertical Datum (III): Mean Sea Level

Geographic Datum (III): N.A. 1927

i.e., meen low water or mean lower low water

Mean sea level except as follows: Elevations shown as (25) refer to mean high water Elevations shown as (5) refer to sounding datum

Reference Station (III):

JOHNSON, 1946

Lat.: 58° 35' 34.496" 1067.4m Long.: 157° 13' 58.485" (789.2m)

Adjusted

Plane Coordinates (Inc. N.A. 1927 Datum is Lat. plus/ and Long. /minus 4.3 m.

Zone:

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.

| ) | Field Inspection by (II): Ship                             | "PATHFINDER"   | Date:                          | Season 1947<br>Season 1948 | :    |
|---|--|--|--------------------------------|----------------------------|------|
|   | Planetable contouring by (II):                             |  | Date:                          |                            |      |
| • | Completion Surveys by (II):                                |  | Date:                          |                            |      |
|   | the Mean High-Water I<br>the stereoscope and h             | (State date and method of location): In<br>line was not located by field in<br>any comparison with adjacent sho<br>was located on the office photo | inspection. V<br>preline areas | which had been             | ript |
|   | Projection and Grids ruled by (IV                          | '):  | Date:                          |                            | ,    |
|   | Projection and Grids checked by                            | (IV):  | Date:                          |                            |      |
|   | Control plotted by (III):                                  | John Winniford   | Date:                          | 12/8/48                    |      |
| ) | Control checked by (III):                                  | James L. Harris  | Date:                          | 1/19/49                    |      |
|   | Radial Plot or Stereoscopic<br>Control extension by (III): | James L. Harris & J.E. Deal  | Date;                          | 2/14/49                    |      |
|   | Stereoscopic Instrument compila                            | Planimetry   | Date:                          |                            |      |
|   | stereoscopic instrument compila                            | Contours ————  | Date:                          |                            |      |
|   | Manuscript delineated by (III);                            | John Winniford   | Date:                          | 3/25/49                    |      |
|   | Photogrammetric Office Review b                            | oy (III): Ree H. Barron  | Date:                          | 4/1/49                     |      |
| • | Elevations on Manuscript checked by (II) (III):            |  | Date:                          |                            |      |

Form T-Page 3

M-2618-12(4)

| PHO  | TOGR    | APHS    | any   |
|------|---------|---------|-------|
| 7110 | , i van | WL 11/2 | 11111 |

| Number               | Date    | Time  | Scale    | Stage of Tide           |
|----------------------|---------|-------|----------|-------------------------|
| 14382 & 14383        | 6/10/43 | 11:14 | 1:20,000 | 14.5 ft. above M.L.L.W. |
| 14411 to 14413 incl. | 6/10/43 | 11:54 | 1:20,000 | 13.0 ft. above M.L.L.W. |
| 17979                | 9/25/46 | 9:38  | 1:20,000 | 3.5 ft. above M.L.L.W.  |

Tide (III)

NUSHAGAK BAY, ALASKA (Clark Point) Reference Station: Subordinate Station:

Approximation at the mouth of Kvichak

River to be plus 1 hour. Subordinate Station:

Washington Office Review by (IV): G.B. Willey

a. P. Berry Final Drafting by (IV):

Drafting verified for reproduction by (IV): 100 Halleum

Proof Edit by (IV): W.O. Hallim

Land Area (Sq. Statute Miles) (III):

Shoreline (More than 200 meters to opposite shore) (III):

Shoreline (Less than 200 meters to opposite shore) (III):

Number of Temporary Photo Hydro Stations established (III):

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II):

Number of BMs searched for (II): Number of Recoverable Photo Stations established (III):

Recovered:

None

None

6 Statute Miles None

Recovered:

identified: Identified:

Ratio of Mean Springs Ranges Range Range

15.2 19.5

Date: 6-20-52

Date: 8 - 25 -5 20

Date: 9-25-52

Date: 10-17-52-

Remarks:

Form T-Page 4

M-2618-12(4)

### Summary to Accompany T-9072 and T-9073

Ph-8(46)A is a planimetric map project consisting of 23 maps covering the area from Egegik Bay to Nushagak Bay, including Kvichak Bay, Alaska. Ph-8(46) consists of 45 topographic maps extending from Nushagak Peninsula to Cape Newenham and north to Goodnews Bay, including the off-shore islands, along the northern shore of Bristol Bay, Alaska. Ph-8(46)B consists of 2 shoreline surveys. The hydrography has not been completed in the area of the topographic maps.

Planimetric Map T-9072 covers the area of the central eastern shore of Kvichak Bay, Alaska, extending from Latitude 58°-30' to 58°-37'-30" and from Longitude 157°-20' to 157°-40'. Planimetric Map T-9073 covers a part of the central eastern shore of Kvichak Bay, in the vicinity of Johnson Hill, Alaska, extending from Latitude 58°-30' to 58°-37'-30" and from Longitude 157°-00' to 157°-20'. Planimetry was delineated by graphic compilation methods in the Portland Photogrammetric Office. The field inspection, consisting of the identification of horizontal control and partial shoreline inspection, was accomplished in 1947 and 1948.

Cloth-backed lithographic prints of these maps at compilation scale and the descriptive reports will be registered in the Bureau Archives. These maps will not be published. The manuscripts and a copy of the descriptive reports will be filed in the Division of Photogrammetry. NOTES TO ACCOMPANY FIELD INSPECTED PHOTOGRAPHS, ERISTOL BAY, ALASKA BY PERSONNEL OF USC&GS SHIP PATHFINDER

The area covered is mostly on the south side of Bristol Bay between EGEGIK and NAKNEK. The photographic inspection is not continuous, the policy being to secure as much information as time and tide conditions permitted while on signal building and triangulation assignments.

From signal building operations on each side of the Bay it was obvious that the north shore was receding; witness loss at KVICHAK, while the south shore remains almost stationary. Some receding of the higher bluffs in exposed areas on the south shore was noticed, however, the stations, established in 1946 by R. Woodworth were in the same relative position in 1948. It is believed that the H.W. line on the south shore is building off shore from the present H.W. line. This seemed obvious from the old wrecks and drift wood, found inshore in the marsh flats between MIDDLE BLUFF LIGHT and A WILL.

Elevations were not obtained at stations ABE, JOE and BUG due to lack of time. The elevations of stations ABE and JOE as submitted by members of the party of R.W. Woodworth in 1946 are believed to be too high; the approximate elevations submitted are as follows:-

ABE 125 to 150 feet JOE 75 to 100 feet

The computed elevation (1946 triangulation) at \( \triangle \) MIDDLE is 37.7 meters (124 feet) and RED BLUFF LIGHT 31.0 meters (102 feet). These two points are among the highest along the coast. It is believed that the elevation at Station ABE is about 80 feet and the elevation at Station JOE about 40 feet.

# COMPILATION REPORT Map Manuscripts T-9072 and T-9073 Project Ph-8(46)

### 26: CONTROL:

The horizontal control of map manuscripts No's. T-9072, T-9073, T-9076 and T-9078 is discussed collectively because these four sheets were combined into one radial plot.

There are sufficient horizontal control stations in the area for use in running the radial plot. Although all but three of the control stations, one of which could not be identified, are along the southeast shoreline of Kvichak Bay, no trouble was experienced in controlling the eastern limits of the three north and south flights, as the two identifiable inshore stations were near the extremities - triangulation station JOHNSON 1946 in the north and triangulation station MON 1946 near the southern edge. In addition, the pass points, lying along the southern border of T-9069, which had been established during the running of a previous radial plot, were used to supplement the horizontal control stations.

In an "Index of Picture Points - Alaska Peninsula" it was stated that the sub-station for BAY 1946 was incorrectly identified. This fact was verified when the sub-station would not hold during the running of this radial plot.

### 27: RADIAL PLOT:

These two map manuscripts were included as part of a combined radial plot comprising No's. T-9072, T-9073, T-9076 and T-9078. It was originally planned to include map manuscripts No's. T-9077 and T-9079 into this radial plot but due to difficulties encountered with the photographs taken in 1945 these two map manuscripts were laid aside and will be compiled when new photography is made in this area. These facts are contained in a letter to "The Director", dated 11 February 1949, Subject: "Radial Plots Ph-8(46)", and the reply is contained in the letter 711-rb, dated, 17 February 1949, Subject: "Radial Plots East Shore of Kvichak Bay," from "The Director".

The methods used in running this radial plot are the same as described for other radial plots in Project Ph-8(46) where nine lens photographs, base grids, and acetate templets corrected with a calibration templet, were used. Refer to Compilation Reports for T-9068 and T-9069, and T-9051 and T-9052.

The results of the radial plot were satisfactory and it is believed that the planimetry, compiled in this area, will be well within the limits of accuracy set forth in the instructions for Project Ph-8(46) dated 19 March 1948.

### 28: <u>DETAILING</u>:

These map manuscripts were compiled in accordance with instructions for Project Ph-8(46). Features and symbols were shown as indicated in Photogrammetry Instructions No's. 10, 12, and 17 and in a special symbol of hachures, furnished by the Washington Office.

Operations, methods, and other facts pertaining to detailing these map manuscripts are in general similar to those described for other map manuscripts in Project Ph-8(46). Refer to Item 28 "Detailing" in the descriptive reports for T-9051 and T-9052, and for T-9066 and T-9067.

The following exceptions are noted:

There are no knolls or prominent changes of elevation in the area of T-9072. In the area of T-9073, three prominent ridges have been detailed, one known as Johnson Hill and the other two located just south of Johnson Hill.

The field inspection was not continuous and in general was confined to portions of the shoreline and areas immediately adjacent thereto. Much of the photograph interpretation was done by analogy with the aid of the stereoscope.

Because of insufficient photograph coverage the southeast corner of T-9073 could not be compiled.

### 29: SUPPLEMENTAL DATA:

No supplemental data were furnished this office in the area of these two map manuscripts.

### 30: MEAN HIGH-WATER LINE:

Except for a small area, the field inspection of the mean high-water line in T-9072 was complete. In this area the mean high-water line was transferred from the field photographs to the office photographs, with the aid of the stereoscope and then compiled. There was no field inspection of the mean high-water line in T-9073. By analogy and with the aid of the stereoscope, the

mean high-water line for this sheet was located on the office photographs, and then compiled.

The mean high-water line bordering firm ground has been shown by a continuous black acid ink line .012" in thickness.

The mean high-water line bordering marsh areas has been shown by a continuous black acid ink line .006" in thickness.

### 31: LOW-WATER AND SHOAL LINES:

The approximate limits of mud flat areas, believed to bare at low-water, were compiled from the 1946 photographs, which were taken when the predicted tide tables indicated a tide stage of about 3.5 feet above Mean Lower Low Water.

### 32: DETAILS OFFSHORE FROM THE MEAN HIGH-WATER LINE:

There are no details offshore from the mean high-water line.

### 33: WHARVES AND SHORELINE STRUCTURES:

There are no shoreline structures in the area.

### 34: LANDMARKS AND AIDS TO NAVIGATION:

No field or other data on landmarks and aids to navigation in the area were furnished this office.

### 35: HYDROGRAPHIC CONTROL:

None were selected or identified by the field party to be radially plotted.

### 36: LANDING FIELDS AND AERONAUTICAL AIDS:

There are none in the area of these two map manuscripts.

### 37: GEOGRAPHIC NAMES:

· Geographic Names have been shown as listed in a "Report on Geographic Names, Kvichak Bay, from Naknek to Egegik" and as shown on a copy of an advance chart of Kvichak Bay, Egegik Bay to

Libbyville, dated September 1947, Scale 1:100,000. The notation "Temporary report on Geographic Names" is lettered on the reverse side of the chart. The above data were furnished this office by the Ship "PATHFINDER".

### 38: RECOVERABLE TOPOGRAPHIC STATIONS:

No data on recoverable topographic stations in the area were furnished to this office.

### 39: <u>JUNCTIONS</u>:

Complete and satisfactory junctions have been made between these map manuscripts and adjacent map manuscripts.

### 44: COMPARISONS WITH EXISTING TOPOGRAPHIC SURVEYS:

There were no previous topographic surveys of this area available to this office.

### 45: COMPARISON WITH NAUTICAL CHARTS:

A comparison was made by use of the vertical projector with the advance chart of Kvichak Bay, Egegik Bay to Libbyville, dated September 1947, Scale 1:100,000. In general, the planimetry is in agreement between the chart and map manuscript T-9073. There are numerous minor differences in the form of the mean high-water line and the streams. Triangulation stations RED,1946 and SUE 1946 appear to be the two "Survey Markers" shown on the chart and triangulation station JOHNSON HILL CAIRN 1946 appears to be the landmark "Sharp Tip" shown on the chart. In T-9072 there are many places that appear to be in disagreement as to geographic position between the chart and map manuscript.

Approved:

W.M. Bainbridge Comdr.-USC&G Survey Chief of Party

J. Edward Deal, Jr. Photogrammetric Engineer

Respectfully submitted:

| STATION    | SOURCE OF<br>INFORMATION<br>(INDEX) | DATUM        | LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE | DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK) |          | DATUM | N.A. 1927 - DATUM DISTANCE FROW GRID OR PROJECTION LINE IN WETERS FORWARD (BACK)  | FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK) |
|------------|-------------------------------------|--------------|--|---|----------|-------|---|---|
| WILL 1948  | Field<br>Comp.                      | N.A.<br>1927 | 58° 32' 26.180"<br>157° 20' 51.750"                | 837.2   | (1046.4) |       | Ka Fewer, 1947  | Used in radial plot   |
| φ/OF σλεσ  | Field                               |              | 3.2  | 9.6   | (1846.8) |       | 44  | =   |
| BEAR, 1948 | Alasta III                          | 1 .          | 31'-   | 0,11  | (1845.5) | 9     | Only one unchecked out in 1948.   | out in 1948.  |
|            | [                                   |              |  |   |          | damie |   | Mary Sall   |
|            |                                     |              |  |   |          |       |   |   |
|            |                                     |              |  |   |          |       |   |   |
|            |                                     |              |  |   |          |       |   |   |
|            |                                     |              |  |   |          |       |   |   |
|            |                                     |              |  |   |          |       |   |   |
|            |                                     |              |  |   |          |       | A THE COLUMN TO |   |
|            |                                     |              |  |   |          |       |   |   |
|            |                                     |              |  |   |          |       |   |   |

| STATION SOURCE OF CINDEX)  (INDEX)  G-6906  SUE, 1946  Page 12 1927  JOHNSON HILL  COMP.  G-6906  N.A.  58°  G-6906  N.A.  58°  JOHNSON 1946  Page 4  1927  157°  G-6906  N.A.  58°  JOHNSON 1946  Page 12 1927  157°  G-6906  N.A.  58°  JOHNSON AZI-  G-6906  N.A.  58°  BAY, 1946  Page 4  1927  157°  JOHNSON AZI-  G-6906  N.A.  58°  BAY, 1946  Page 4  1927  157°  JOHNSON AZI-  G-6906  N.A.  58°  BAY, 1946  Page 4  Page 4  1927  157°  JF7°  J | DE OR W. COORDINATE  DE OR X. COORDINATE  34. 36.02611  18. 05.31811  35. 51.99711  13. 37.07611  35. 34.49611  34. 24.50511  34. 24.50511  34. 27.91711  31. 17.29011 | DISTANCE FROM GRID IN FEET.  OR PROJECTION LINE IN METERS FORWARD (BACK)  1114.7 ('741.8) 85.9 (883.8) 1608.9 (247.6) 598.9 (370.3) 1067.4 (789.1) 944.3 (25.0) 758.2 (1098.3) 451.2 (518.6) | RID IN FEET. DATUM (BACK) (BACK) ( 741.8) ( 247.6) ( 247.6) ( 25.0) ( 1098.3) ( 518.6) ( 1321.5) | N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN WETERS FORWARD (BACK) | FACTOR DISTANCE<br>FROM GRID OR PROJECTION LINE |
|--|--|--|--|--|---|
| G-6906 N.A.  Page 12 1927  LLL Comp.  Gomp. 7 1927  G-6906 N.A.  G-6906 N.A.  1946 Page 4 1927  G-6906 N.A.  G-6906 N.A.  Page 4 1927  G-6906 N.A.   | 34 36<br>18 05<br>35 51<br>13 37<br>35 34<br>34 24<br>34 27<br>34 27<br>34 27<br>34 27<br>36 46  | 1114.7<br>85.9<br>1608.9<br>598.9<br>1067.4<br>944.3<br>758.2<br>451.2   | (741.8)<br>(883.8)<br>(247.6)<br>(370.3)<br>(789.1)<br>(25.0)<br>(1098.3)<br>(518.6)<br>(1321.5) |  |   |
| ILL Field N.A.  Comp. 1927  46 Page 7 1927  G-6906 N.A.  ZI- G-6906 N.A.  1946 Page 12 1927  G-6906 N.A.  Page 2 1927  Page 2 1927   | 181 05<br>351 51<br>131 37<br>351 34<br>131 58<br>341 27<br>141 27<br>161 46   | 85.9<br>1608.9<br>598.9<br>1067.4<br>944.3<br>758.2<br>451.2   | (883.8)<br>(247.6)<br>(370.3)<br>(789.1)<br>(25.0)<br>(1098.3)<br>(518.6)<br>(1321.5)            |  | Not used in                                     |
| ILL Comp.  46 Comp.  946 G-6906 M.A.  21- G-6906 M.A.  1946 Page 4 1927  G-6906 M.A.  G-6906 M.A.  Page 2 1927   | 351 51<br>131 33<br>351 34<br>341 24<br>311 17<br>311 17   | 1608.9<br>598.9<br>1067.4<br>97.4<br>758.2<br>451.2<br>535.0   | ( 247.6)<br>( 370.3)<br>( 789.1)<br>( 25.0)<br>(1098.3)<br>( 518.6)                              | •  | [ດ [ຍ]  |
| 46 Page 7 1927 G-6906 M.A. ZI- G-6906 M.A. ,1946 Page 12 1927 G-6906 M.A. G-6906 M.A.  | 131 33<br>351 34<br>131 58<br>341 24<br>311 17<br>161 46   | 598.9<br>1067.4<br>97.3<br>758.2<br>451.2<br>535.0   | ( 370.3)<br>( 789.1)<br>( 25.0)<br>(1098.3)<br>( 518.6)<br>( 1321.5)                             |  |   |
| G-6906 N.A.  ZI- G-6906 N.A.  J946 Page 12 1927  G-6906 N.A.  G-6906 N.A.  | 35 34<br>13 58<br>34 24<br>14 27<br>31 17<br>16 #6   | 1067.4<br>944.3<br>758.2<br>451.2<br>535.0   | (789.1)<br>(25.0)<br>(1098.3)<br>(518.6)<br>(1321.5)   |  | и и   |
| 946 Page 4 1927 ZI- G-6906 N.A. 1946 Page 12 1927 G-6906 N.A. Page 4 1927  | 131 58<br>341 24<br>141 27<br>311 17<br>161 #6   | 944.3<br>758.2<br>451.2<br>535.0   | (1098.3)<br>(1098.3)<br>(518.6)<br>(1321.5)  |  | Used in radial                                  |
| ZI- G-6906 N.A.<br>,1946 Page 12 1927<br>G-6906 N.A.<br>Page 4 1927  | 34° 24<br>14' 27<br>31' 17<br>16' #6   | 758.2<br>451.2<br>535.0  | (1098.3)<br>(518.6)<br>(1321.5)  |  | دد  |
| 1946 Page 12 1927 ] G-6906 N.A. Page 4 1927 ]  | 14! 27<br>31! 17<br>16! #6   | 451.2  | (518.6)  | Incorrectly  | Not used in                                     |
| G-6906 N.A.<br>Page 4 1927   | 31 17  | 535.0  | (1321.5)   | identified   | radial plot                                     |
| Fage 4, 1927   | 161 46   |  |  |  | 101   |
|  |  | 0.097  | (211.2)  |  | Peninsula lists<br>this station as              |
|  |  |  |  | ,  | incorrectly.                                    |
|  |  |  |  |  |   |
|  |  |  |  |  |   |
|  |  |  |  |  |   |
|  |  |  |  |  |   |
|  |  |  |  |  |   |
|  |  |  |  |  |   |
|  |  |  |  |  |   |
|  |  |  |  |  |   |
|  |  |  |  |  |   |
|  |  |  |  |  |   |
|  |  |  |  |  |   |
|  |  | į  |  |  |   |
|  |  |  |  |  |   |

Geographic Names.

- · Alaska · Bristol Bay (For Title)
- Kvichak Bay Big Flat

- Alaska Bristol Bay

- Kvichek Bay
  Big Flat
  Johnston Hill
  Johnston Hill Cheek

(pending with BGN: use form going back to earliest days pending its decision---as on nautical charts)

Names underlined in reapproved. 6-15-63

### REVIEW REPORT T-9072 and T-9073 Planimetric Maps 20 June 1952

62. Comparison with Registered Topographic Surveys:

1948 1:20,000 scale No discrepancies noted. T-7036b

Comparison with Maps of Other Agencies: 63.

None.

64. Comparison with Contemporary Hydrographic Surveys:

> 1:20,000 scale 1948 H-7666 No discrepancies noted.

65. Comparison with Nautical Charts:

Nautical Chart 9051 lst Edition (1950) 51-8.20. 1:100,000 scale

See Item 45 in the Compilation Report. Several minor discrepancies were noted. This planimetric map should supersede the detail as shown on the provisional nautical chart.

66. Adequacy of Manuscript:

This planimetric map complies with Bureau standards and with project instructions.

Reviewed by:

Approved by:

Division of Photogrammetry

Chief, Nautical Chart Branch

Division of Charts CF

Chief, Div. of Coastal Surveys

, Div. of Photogrammetry

7 9077 applied to chart 9051 2/1/50 L. A.M. No Core. after V. E.R. tock 9051 1-19-55 J.H.E.

1

### HORIZONTAL DATUM ADJUSTMENT

### Bristol Bay, Alaska

The subject maps were radial plotted on unadjusted (Field) datum which was subsequently adjusted to the North American 1927 datum by the Division of Geodesy. The datum correction has been computed for each sheet, and stamped into the Descriptive Report on page 1, and on the manuscripts and registered cloth-backed copies near the title block. However, as the title block of each clothback sheet contains the note, "1927 North American Datum", it was necessary to stamp the word, "(Unadjusted)" beside this datum note in the title block of each sheet.

See the special report, Horizontal Control Datum, Ph-8(46), Ph-8A(46), and Ph-8B(46), filed with the Completion Report for the project for details and lists of the maps, reports, and registration copies marked with this adjustment. The following is a list of the maps in the projects:

Ph-8(46), TOPOGRAPHIC

Ph-8A(46), PLANIMETRIC

| T-9038 thru T-9040 | T-9041 thru T-9043  |
|--------------------|---------------------|
| 9044 " 9047        | 9048 " 9053         |
| 9054 " 9057        | 9058 " 9063         |
| 9064,-9065,-9070   | 9066 " 9069         |
| 9071,-9074,-9075   | 9072 <b>,-</b> 9073 |
| 9227 thru   9253   | 9076 <b>,-</b> 9078 |

Ph-8B(46), SHORELINE

T-8873 (E&W) and T-8874