U. S. COAST AND GEOGRAPHIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey: PLANIMETRIC

Field No.: Ph-29(47) Office No.: T-8625

LOCALITY
State: TERRITORY OF ALASKA
General locality: ARCTIC COAST, BEAUFORT SEA, CAMDEN BAY
Locality: ANDERSON POINT

19450

CHIEF OF PARTY
H.A. Paton - Chief of Party
C.W. Clark - Portland Photogrammetric Office

LIBRARY & ARCHIVES
DATE: Sept. 1 - 1954
DATA RECORD

Project No. (II): Ph-29(47) Quadrangle Name (IV):

Field Office (II): Tigvariak Island, Alaska Chief of Party: H.A. Earle

Photogrammetric Office (II): Portland, Oregon Officer-in-Charge: Charles W. Clark

Instructions dated (II) (III): 4 Feb. 1948 Field
15 Feb. 1949 Project C.S. 320
3 Mar. 1950 Copy filed in Division of
14 Dec. 1949 Office
9 Nov. 1950 Photogrammetry (IV)

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): 25 April 1951
Date reported to Nautical Chart Branch (IV): 1951

Applied to Chart No. Date: Date registered (IV):

Publication Scale (IV): Barter Island Geographic Datum (III): B.S. 1927
and Long. 217 G.S.W. 864

(Planimetry: High Water
Vertical Datum (III): Mean Lower Low
Water (Ice Surface) *
Mean sea level except as follows:
Elevations shown as (26) refer to mean high water
Elevations shown as (0) refer to sounding datum
i.e., mean low water or mean lower low water

Elev. gain 144.73 ft. Mean Sea Level *
Elev. gain of 144.73 ft. Mean Sea Level *

Reference Station (III): (See subheading of Office Instructions Ph-29(47) dated
14 December 1949)

Lat.: Long.: Adjusted

Plane Coordinates (IV): State: Zone:

Y = X = Unadjusted

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.
Areas contoured by various personnel
(Show name within area)
(II) (III)
Not Applicable
DATA RECORD

Field Inspection by (II): Hubert A. Patton, Chief of Party

Date: Summer 1948

Planetary contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): Spot located in field on field photographs and this location used to delineate the mean high water line on office photographs, by use of the stereoscope, and then compiled.

Projection and Grids ruled by (IV):

Date:

Projection and Grids checked by (IV):

Date:

Control plotted by (III): M.B. Elrod

Date: 3/15/51

Control checked by (III): Dale Fisher

Date: 4/19/51

Radial Plot or Stereoscopic Control extension by (III):

Date: 5/18/51

Stereoscopic Instrument compilation (III):

Planimetry

Date:

Contours

Date:

Manuscript delineated by (III): M.B. Elrod

Date: 5/31/51

Photogrammetric Office Review by (III): K.H. Barron

Date: 6/11/51

Elevations on Manuscript checked by (II) (III):

Date:
Camera (kind or source) (III): U.S.C.G.S., 9 lens, focal length 8.25 inches.

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>20168 &amp; 20169</td>
<td>7/29/47</td>
<td>12:33</td>
<td>1:20,000</td>
<td>0.6 ft. above M.L.L.W.</td>
</tr>
<tr>
<td>20176 thru 20178</td>
<td>7/29/47</td>
<td>12:49</td>
<td>1:20,000</td>
<td>0.5 ft. above M.L.L.W.</td>
</tr>
</tbody>
</table>

Tide (III)

Reference Station: Kodiak, Alaska
Subordinate Station: Flaxman Island, Alaska
Subordinate Station:

Washington Office Review by (IV): Lena I. Stevens
Final Drafting by (IV): Anna F. Berry
Drafting verified for reproduction by (IV): W. O. Heck

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 80
Shoreline (More than 200 meters to opposite shore) (III): 12
Shoreline (Less than 200 meters to opposite shore) (III): 33
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): Recovered: Identified:
Number of BMs searched for (II): Recovered: Identified:
Number of Recoverable Photo Stations established (III): 3*
Number of Temporary Photo Hydro Stations established (III): None

Remarks:
*The position of recoverable topographic stations, DEN, 1950, is listed under Geographic Positions Accession #C-8659, page 4, Field Computation, Camden Bay. The positions of stations TRIPOD, 1948, and HOUSE, 1948, are shown on Forms 524 executed in the Washington Office. (Also from 5/47, attached)
Summary to Accompany T-8625

Planimetric project Ph-29(47) consists of 69 maps, scale 1:20,000, - 26 in Part I (Barter Island westward to Jones Islands) and 43 in Part II (Jones Islands westward to Point Barrow). The project covers that part of the Arctic Ocean coastal area (Beaufort Sea) which extends from 143º 10' to 156º 30' west longitude.

This project was designed as surveys for new nautical charts at a much larger scale than the present regional charts and to furnish bases to the U. S. Geological Survey for projected topographic maps.

T-8625 is one of the part I group. It includes the Saligochit River, Anderson Point at the eastern extremity of Camden Bay, and Kajutakrok Creek.

* * * * * * * *

When all the map manuscripts in this project have been reviewed, smooth-drafted, reproduced, and registered, a Completion Report will be filed in the Bureau Archives. This report will describe the project as a whole, and will list the materials received, with a statement of their disposition.
FIELD INSPECTION REPORT
Map Manuscript T-8625
Project Ph-29(47)

Refer to:
FIELD INSPECTION REPORT
Brownlow Point to Camden Bay
Arctic North Coast of Alaska
Project CS-320
1950
R. A. Earle, Chief of Party.
PHOTOGRA M ETIC PLOT REPORT
Map Manuscript T-8625
Project Ph-29(47)

Facts relative to the radial plot for this map manuscript are contained in the Photogrammetric Plot Report for T-8624 and T-8625 which is included with the Descriptive Report for T-8624.
COMPILATION REPORT
Map Manuscript T-8625 (Revision)
Project Ph-29(47)

See Compilation Report for T-8624.
All facts relative to map manuscript T-8624 are applicable
to map manuscript T-8625 except as follows:

38: CONTROL FOR FUTURE SURVEYS:

Not applicable to the compilation work. There is one
recoverable topographic station, namely, DEN, 1950, which
was located by the 1950 Arctic Party, and two others, namely,
HOUSE, 1948 and TRIPOD, 1948, for which positions were fur-
nished on Forms 524 by the Washington Office, plotted on the
map manuscript.

39: JUNCTIONS:

A junction has been made to the west with T-8624. No
map manuscript was furnished this office in order to make a
junction on the west. This can easily be made since only
very slight changes were made at this junction in the revi-
sion compilation.

Approved:
Charles W. Clark
Chief of Party

Respectfully submitted:
J. Edward Deal, Jr.
Cartographer.

* This map was recompiled after it had been
originally compiled. However, since the map was
recompiled before registration this additional
work is not regarded as a revision.
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR y-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET OR PROJECTION LINE IN METERS</th>
<th>N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FORWARD (BACK)</td>
<td>FORWARD (BACK)</td>
</tr>
<tr>
<td>ARGUS 1948</td>
<td>Barter Island, 1948</td>
<td></td>
<td>70 01 46.953</td>
<td>1455.1 404.3</td>
<td></td>
</tr>
<tr>
<td>SCORPTO 1948</td>
<td></td>
<td></td>
<td>69 59 31.339</td>
<td>971.2 888.2</td>
<td></td>
</tr>
<tr>
<td>HYDRA 1948</td>
<td></td>
<td></td>
<td>70 01 36.218</td>
<td>1122.4 737.0</td>
<td></td>
</tr>
<tr>
<td>ANDERSON 1948</td>
<td></td>
<td></td>
<td>70 00 56.089</td>
<td>1738.2 121.2</td>
<td></td>
</tr>
<tr>
<td>BRADLEY 1948</td>
<td></td>
<td></td>
<td>69 58 26.081</td>
<td>808.3 1051.2</td>
<td></td>
</tr>
<tr>
<td>CANTS 1948</td>
<td></td>
<td></td>
<td>69 57 45.089</td>
<td>1397.3 462.1</td>
<td></td>
</tr>
<tr>
<td>KOGANAK 1949</td>
<td></td>
<td></td>
<td>69 59 09.178</td>
<td>281.4 1575.0</td>
<td></td>
</tr>
</tbody>
</table>

1 Ft. = .3048008 Meter

COMPUTED BY: C. H. 
DATE: 28 Dec. 1948
CHECKED BY: 
DATE: 

ALT. 89 - BARTER

PH-29/47

MAP T-8625

SCALE OF MAP 1:20,000

SCALE FACTOR
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR Y-COORDINATE LONGITUDE OR X-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET OR PROJECTION LINE IN METERS</th>
<th>DATUM CORRECTION</th>
<th>N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
<th>FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sub Pt. &quot;a&quot;</td>
<td>M-2500</td>
<td>Barter</td>
<td>69 59</td>
<td>323.6 1535.8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Koganak 1948</td>
<td>1-1988</td>
<td>11</td>
<td>144 33</td>
<td>296.7 340.2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sub Sta. &quot;Howard&quot;</td>
<td></td>
<td>ARGUS 1948</td>
<td>70 01</td>
<td>1816.7 42.7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(3 Pt. Fix, n.m., n.d.) KVT 1948</td>
<td></td>
<td></td>
<td>144 17</td>
<td>329.0 306.5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sub Pt &quot;a&quot;</td>
<td></td>
<td>KVT 1948</td>
<td>70 01</td>
<td>1560.8 298.6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>144 23</td>
<td>501.1 134.4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>70 01</td>
<td>1543.5 315.9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>144 23</td>
<td>594.7 40.9</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 FT. = 0.3048006 METER

COMPUTED BY: ___________________________ DATE: ___________________________ CHECKED BY: ___________________________ DATE: ___________________________
I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks be charted on (deleted from) the charts indicated.

The positions given have been checked after listing by

S. J. Hathorn

---

<table>
<thead>
<tr>
<th>STATE</th>
<th>POSITION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>DATUM</th>
<th>METHOD OF LOCATION AND SURVEY NO.</th>
<th>DATE OF LOCATION</th>
<th>CHARTS AFFECTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tripod</td>
<td>Eyt</td>
<td>70 01 1560.8</td>
<td>144 23</td>
<td>47.311.1946</td>
<td>H-7656 1948</td>
<td>x</td>
<td>94.00</td>
</tr>
<tr>
<td>Tripod</td>
<td>How</td>
<td>70 01 1816.7</td>
<td>144 17</td>
<td>329.0</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
</tbody>
</table>

The above were not recommended as landmarks by the field parties (according to Lew Evans), but are shown on Arctic Coast Chart No. 8, corrected to 3-13-50.

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating...
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED

Arctic Shore Party  30 Nov., 1948

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

The positions given have been checked after listing by Horace G. Connerly

<table>
<thead>
<tr>
<th>STATE</th>
<th>Alaska</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTING NAME</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>Pole</td>
<td>30 ft. log braced in upright position on top of bluff (n.d.) Large</td>
</tr>
</tbody>
</table>


Hubert A. Paton  Chief of Party

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating
PHOTOGRAMMETRIC OFFICE REVIEW

1. Projection and grids  
2. Title  
3. Manuscript numbers  
4. Manuscript size  

CONTROL STATIONS
5. Horizontal control stations of third-order or higher accuracy  
6. Recoverable horizontal stations of less than third-order accuracy (topographic stations)  
7. Photo hydro stations  
8. Bench marks  
9. Plotting of sextant fixes  
10. Photogrammetric plot report  
11. Detail points  

ALONGSHORE AREAS
(Nautical Chart Data)
12. Shoreline  
13. Low-water line  
14. Rocks, shoals, etc.  
15. Bridges  
16. Aids to navigation  
17. Landmarks  
18. Other alongshore physical features  
19. Other alongshore cultural features  

PHYSICAL FEATURES
20. Water features  
21. Natural ground cover  
22. Planetary contours  
23. Stereoscopic instrument contours  
24. Contours in general  
25. Spot elevations  
26. Other physical features  

CULTURAL FEATURES
27. Roads  
28. Buildings  
29. Railroads  
30. Other cultural features  

BOUNDARIES
31. Boundary lines  
32. Public land lines  

MISCELLANEOUS
33. Geographic names  
34. Junctions  
35. Legibility of the manuscript  
36. Discrepancy overlay  
37. Descriptive Report  
38. Field inspection photographs  
39. Forms  
40. [Signatures]

Reviewer: [Signature]  
Supervisor, Review Section or Unit: [Signature]

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  
Supervisor

43. Remarks: [Signature]  
H-2623-12
GEORGIC NAMES LIST:

Anderson Point
Beaufort Sea
Camden Bay
Kajutakrok Creek
*Saligoehit River

Alaska-Arctic Coast

*In the final name sheet a river is called the Saligoehit River, but is referred to in the description of triangulation station ANDERSON, 1948, as Sadlerochit River. (= former spelling)

Names underlined in red are approved.

10-2-51

L. Heck
61. **General Statement:**

As in the area of T-8624h, the tundra plains are practically free of ponds because they are rising toward the mountains south of the mapped area. Drainage is well developed because of this gradient, and because of the structural conditions. Concentric ridges west of Saligochit River give rise to a corresponding concentric drainage pattern.

62. **Comparison with Registered Topographic Surveys:**

No earlier surveys have been made for this area.

63. **Comparison with maps of other Agencies:**

None.

64. **Comparison with Contemporary Hydrographic Surveys:**

H-7659 1:20,000 1948 (Boat Sheet ARN 234.8)

In compliance with office instructions (Dec. 14, 1949) the off-shore bars were transferred from the hydrographic survey because of the changes in form occurring between the date of the pictures and of field inspection.

65. **Comparison with Nautical Charts:**

9400 1:1,587,870 (at 70° 00') ed. May 1947, rev. Nov. 1950

The scale of N.C. No. 9400 is not comparable because of the vast differences in scale. No comparison has been made with the larger scale confidential charts.

The shoreline and near-shore features on this map manuscript meets the National Standards of Accuracy. The interior is adequate for charting purposes.

66. **Accuracy:**

The names in this project are from "Geographic Names Report, Alaska Arctic Coast, Demarcation Point to Cross Island, Project CS-320"., submitted by the Hydrographic party (no signature), September 1948. Supplementary and additional names, same area, was submitted October 1949.
Control to be smooth-drafted on T-8625

<table>
<thead>
<tr>
<th>Triangulation</th>
<th>Topographic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tom</td>
<td>Tripod</td>
</tr>
<tr>
<td>Eureka</td>
<td>1948 (1dmk)</td>
</tr>
<tr>
<td>Crescent</td>
<td>Den</td>
</tr>
<tr>
<td>Pipukpuk</td>
<td>1950</td>
</tr>
<tr>
<td>Koganak</td>
<td>House</td>
</tr>
<tr>
<td>Canis</td>
<td>1948</td>
</tr>
<tr>
<td>Anderson</td>
<td>1950</td>
</tr>
<tr>
<td>Hydra</td>
<td></td>
</tr>
<tr>
<td>Mix</td>
<td></td>
</tr>
<tr>
<td>Large Pole</td>
<td></td>
</tr>
<tr>
<td>Small Pole</td>
<td></td>
</tr>
<tr>
<td>Argus</td>
<td></td>
</tr>
<tr>
<td>Scorpio</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
HORIZONTAL DATUM ADJUSTMENT

ARCTIC OCEAN AREA, ALASKA

Corrections to Preliminary N.A. 1927 Datum from the various independent horizontal datums on the north coast of Alaska have been determined by the Division of Geodesy, being computed from field positions, allowing for closure in azimuth and length. This procedure was started from adjusted N.A. 1927 Datum stations at about the 63rd Parallel on the Canadian Boundary, followed the 114th Meridian (180 Datum) to Beaufort Sea (Arctic Ocean), thence westward through the Barter Island 1948, Flaxman Island and Point Barrow 1945 Datums to a connection with adjusted N.A. 1927 Datum in the area of Kotzebue Sound, off Chukchi Sea. The position of the stations in this area is subject to further adjustment after more geodetic field work.

PLATEMETRIC MAPPING PROJECT

Ph-29(47) PART I

Jones Islands to vicinity of Barter Island, Alaska

T-9340 thru T-9360 and T-8624 thru T-8628

T-9340 thru T-9360: Flaxman Island Datum, correction in Latitude ranging from minus 3.15 sec. on T-9340 to 4.99 sec. on T-9359, and in Longitude from plus 9.95 sec. on T-9340 to 11.16 sec. on T-9359.

T-8624 thru T-8628: Barter Island 1948 Datum, correction of -1.29 sec. in Latitude and -20.41 sec. in Longitude.

These corrections were converted into meters, and stamped on Page T-2 in each descriptive report and near the title block on each manuscript and cloth-backed recorded map, with the exception that the cloth-backed maps for T-8624 and T-8626 thru 8628 have not been completed. When these maps have been completed, they should be stamped the same as have been their descriptive reports, with the following stamp:

The difference between Barter Island 1948 Datum and preliminary N.A. 1927 Datum is Lat. 47°/minus 47'12" and Long. 170°/minus 1°27'31".

See the Special Report on HORIZONTAL DATUM ADJUSTMENT for Ph-29(47) PARTS I, II, & III, filed with the Completion Report for a project index showing the correction for each map.
### Record of Application to Charts

<table>
<thead>
<tr>
<th>DATE</th>
<th>CHART</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug/49</td>
<td>9400</td>
<td>Pleijari</td>
<td>Thru Cert. #8. Before After Verification and Review</td>
</tr>
<tr>
<td>3/50</td>
<td>9403</td>
<td>Buggeye</td>
<td>Thru Man Chg. #8 and direct Before After Verification and Review</td>
</tr>
<tr>
<td>Apr.55</td>
<td>9403</td>
<td>H.M. MacKenna</td>
<td>Thru Cert. #8 and Thru Chg. #979 Before After Verification and Review</td>
</tr>
</tbody>
</table>

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.
Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.