Form 504
U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Shoreline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No.</td>
<td>Ph-164</td>
</tr>
<tr>
<td>Office No.</td>
<td>T-9568</td>
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</table>
DATA RECORD

T. 9568

PH 164

Project No. (II): 27370

Quadrangle Name (IV):

Field Office (II): Ship Explorer

Chief of Party: G.A. Nelson

Photogrammetric Office (III): Wash. D.C.

Officer-in-Charge: L.W. Swanson

Instructions dated (II) (III): 22 August 1956

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III):

Date received in Washington Office (IV): 11-24-56

Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 7/25/62

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): NA 1927

Vertical Datum (III): MHW

Mean sea level except as follows:

Elevations shown as (2) refer to mean high water

Elevations shown as (2) 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:

Y= 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.
Areas contoured by various personnel
(Show name within area)
(II) (III)

Inapplicable
DATA RECORD

Field inspection by (II):  C.W. Clark  
Date: May 56

Planimeter contouring by (II):  None  
Date:

Completion Surveys by (II):  None  
Date:

Mean High Water Location (III) (State date and method of location):

Identified in field on 1953 photographs

Projection and Grids ruled by (IV):  A. Riley  
Date: 8-27-56

Projection and Grids checked by (IV):  A. Riley  
Date: 8-27-56

Control plotted by (III):  J. Battley  
Date: 9-26-56

Control checked by (III):  G. Amburn  
Date: 9-27-56

Radial Plot or Stereoscopic
Control extension by (III):  J. Battley  
Date: 10-18-56

Planimetry

Stereoscopic Instrument compilation (III):
Contours

Manuscript delineated by (III):  R. L. Sugden  
Date: 10-29-56

Photogrammetric Office Review by (III):  
Date:

Elevations on Manuscript
checked by (II) (III):  
Date:
**PHOTOGRAPHS (III)**

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
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<tr>
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<td>1441 to 1443</td>
<td>1:10,000</td>
<td>10.9 ft. above MLLW</td>
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<tr>
<td>41142</td>
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<td>1448 to 1450</td>
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**Tide (III)**

Reference Station: **Seldovia, Kachemak Bay**  
Subordinate Station: **Port Graham**

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<thead>
<tr>
<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Standard Range</th>
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<tr>
<td>15:4</td>
<td>17.8</td>
<td>0.9</td>
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Washington Office Review by (IV):  
Final Drafting by (IV):  
Drafting verified for reproduction by (IV):  
Proof Edit by (IV):

---

Land Area (Sq. Statute Miles) (III):  
Shoreline (More than 200 meters to opposite shore) (III):  
Shoreline (Less than 200 meters to opposite shore) (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):  
Number of Temporary Photo Hydro Stations established (III):  

Remarks:  
* Height of MHW referred to MLLW is 15.8 ft.*
Field Inspection Report

This report covers surveys T-8482, T-8608, T-9560, T-9566, T-9568 and T-9742 and is filed as part of the Descriptive Report for T-8482.
PHOTOGRAFMETRIC PLOT REPORT

This report covers Shoreline Surveys T-8608, T-9560, T-9568 and T-9742.

It is filed as part of the Descriptive Report for T-8608.
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR ( \phi ) -COORDINATE</th>
<th>LONGITUDE OR ( \lambda ) -COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET</th>
<th>OR PROJECTION LINE IN METERS</th>
<th>FORWARD</th>
<th>BACK</th>
<th>N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
<th>FOR Ward</th>
<th>(BACK)</th>
<th>FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
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<th>(BACK)</th>
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</table>
COMPILATION REPORT

Shoreline Survey T-9568

31. **Delineation**

   Features were delineated on plastic work sheets by stereoscopic examination of nine-lens photographs aided by field inspection photographs. The work sheets were then adjusted to the scale of the map manuscript for compilation.

   Some stretches of shoreline are obscured by shadow but the MHWL in these areas was defined by field inspection. The photography together with the field inspection were adequate for compilation. The field inspection did not include inspection of roads and buildings.

32. **Control**

   Control was adequate for compilation purposes. For discussion of control see the Photogrammetric Plot Report filed as part of Descriptive Report T-8608.

33. **Supplemental Data**  None

34. **Contours and Drainage**  Inapplicable

35. **Shoreline and alongshore details**

   The field inspection was adequate for the delineation of shoreline. There was no field inspection of inshore features.

   The Indian village of Alexandrovsk is located in the English Bay area.

36. **Offshore Details**

   Five offshore rocks awash north of Russian Point and west of triangulation station CHANNEL 1908 were located on the manuscript by resection from sextant cuts which were recorded on the field photographs.

37. **Landmarks and Aids**

   Port Graham Entrance Light 1956 falls on this survey. A copy of the form 567 submitted by the field party for the entire project is attached.
38. Control for future surveys
   None

39. Junctions

   This survey junctions with survey T-8608 to the north and T-9742 to the east. No contemporary surveys were available for junctioning to the west and south.

40. Horizontal and vertical accuracy

   See item 32 above.
   Vertical accuracy inapplicable.

41 thru 45  Inapplicable

46. Comparison with existing maps

   T-2879, 1:10,000 scale 1908
   T-3554, 1:20,000 " 1915
   SELDOVIA (B-6) ALASKA (USGS) 1,63360, 1953

   There are not as many cliffs shown on T-9568 as on the previous surveys but it is believed that all bluffs of landmarks significance are shown. The reef just offshore from ALEXANDROVSK appears attached to the shore on T-3554. There is no indication of such on photographs or from field inspection of T-9568. These prior surveys show differences in some rock positions but T-9568 should be regarded as correct.

47. Comparison with Nautical Charts

   8589  1:20,000  corrected to 51-6/18

   The differences as noted between the surveys as stated above also applies to the chart 8589.

   Items to be applied to nautical charts immediately

   none
Items to be carried forward  None.

Submitted by

Robert L. Sugden
Cartographer

APPROVED:

Everett H. Ramey, Chief
Compilation Unit
English Bay Reef is not visible for delineation from the photographs and thus is not shown on the manuscript.
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

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTING NAME</th>
<th>LIGHT</th>
<th>DESCRIPTION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>METHOD OF LOCATION AND SURVEY NO.</th>
<th>DATE OF LOCATION</th>
<th>CHARTS AFFECTED</th>
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<td>2726</td>
<td>39° 19'</td>
<td>166° 50'</td>
<td>151° 39'</td>
<td>53° 50'</td>
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<td>1927</td>
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<td>Fort Graham Entrance Light</td>
<td>2727</td>
<td>39° 22'</td>
<td>213° 43'</td>
<td>151° 52'</td>
<td>39° 10'</td>
<td>Datum 1927</td>
<td>1927</td>
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<td></td>
<td>Gey Clift Light</td>
<td>2728</td>
<td>39° 20'</td>
<td>276° 10'</td>
<td>151° 49'</td>
<td>22° 10'</td>
<td>Datum 1927</td>
<td>1927</td>
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<td>Salvdad Entrance Light</td>
<td>2729</td>
<td>39° 26'</td>
<td>181° 54'</td>
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<td>107° 4</td>
<td>Datum 1927</td>
<td>1927</td>
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<tr>
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<td>Homer Spill Light</td>
<td>2730</td>
<td>39° 34'</td>
<td>21° 3</td>
<td>151° 28'</td>
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<td>1927</td>
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<td></td>
<td>Homer Ares Light</td>
<td>2731</td>
<td>39° 30'</td>
<td>262° 5</td>
<td>151° 29'</td>
<td>62° 3</td>
<td>Datum 1927</td>
<td>1927</td>
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<tr>
<td></td>
<td>Homer Radio Range center</td>
<td>2732</td>
<td>39° 30'</td>
<td>189° 4</td>
<td>151° 32'</td>
<td>282° 3</td>
<td>Datum 1927</td>
<td>1927</td>
</tr>
</tbody>
</table>

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be inserted on the charts of the area and on...
48. Geographic Names:

*English Bay (inlet)
*English Bay (settlement - not Alexandrovsk)
*English Bay River
*Cook Inlet
Passage Island
*Port Graham
Russian Point

* BGN decision

[Signature]
Geographic Names Section
25 May 1962
REVIEW REPORT
of Topographic Map T-9568
June 1962

62. Comparison with Registered Topographic Maps

See Item 46

63. Comparison with Maps of Other Agencies

Seldevie B-5 and B-6 Alaska 1:63,360 1953

Because of the scale difference only a visual comparison was made. T-9568 is more complete and supersedes the above survey for common area.

64. Comparison with Contemporary Hydrographic Surveys

There are no contemporary hydrographic surveys of this area.

65. Comparison with Nautical Charts

8568 1:20,000 Corrected to June 1951

There are no major discrepancies in the chart and the subject manuscripts.

66. Adequacy of Results and Future Surveys

Shoreline inspection is not complete in all areas. Lack of inshore inspection may have resulted in minor errors in office interpretation. Other than these, no deficiencies in accuracy were indicated.

Reviewed by:
L. C. Lampl

Approved by:
Charles Thayer
Chief, Cartographic Branch

Louis G. Taylor
Chief, Nautical Charts Div.

Thomas J. Fiscus
Chief, Photogrammetry Division

George A. Craig
Chief, Operations Division
# Nautical Chart Division

**Record of Application to Charts**

**File with Descriptive Report of Survey No.** T-9568

**Instructions**

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

<table>
<thead>
<tr>
<th>Chart</th>
<th>Date</th>
<th>Cartographer</th>
<th>Remarks</th>
</tr>
</thead>
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<tr>
<td>8589</td>
<td>7/18/63</td>
<td>DEW</td>
<td>Part Before After Verification Review Inspection Signed Via Drawing No.</td>
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<tr>
<td>8589</td>
<td>12/7/70</td>
<td>E. Frey</td>
<td>Full Part Before After Verification Review Inspection Signed Via Drawing No. Revised shoreline, rock ledge, help foul areas. Full Part Before After Verification Review Inspection Signed Via Drawing No.</td>
</tr>
</tbody>
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**Form C&GS-8352 Supersedes All Editions of Form C&GS-875.**