

# 11034

Diag. Cht. No. 8862.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-34 Office No. T-11034

### LOCALITY

State Alaska

General locality Aleutian Islands, Andrea-  
nof Islands.

Locality Koniugi Island

19 51-53

CHIEF OF PARTY

L.J.Reed, Div. of Photo., Wash., D.C.

LIBRARY & ARCHIVES

DATE August 19, 1958

B-1870-1 (1)

# 11034

## DATA RECORD

T - 11034

Project No. (II): Ph-34(48)

Quadrangle Name (IV): Koniuji Island

Field Office (II):

Chief of Party:

Photogrammetric Office (III): Washington, D.C.

Officer-in-Charge: Louis J. Reed, chief  
Stereomap section

Instructions dated (II) (III):

None

Copy filed in Division of  
Photogrammetry (IV)

Method of Compilation (III): Single Lens - Kelsh Plotter, with pantograph

Manuscript Scale (III): 1:20,000

Stereoscopic Plotting Instrument Scale (III): 1: 8200

Scale Factor (III): Photograph scale 1:41,000

Pantograph reduction 1:8200 to 1:20,000

Date received in Washington Office (IV):

JAN 19 1953

Date reported to Nautical Chart Branch (IV): JAN 26 1953

Applied to Chart No.

Date:

Date registered (IV): 5/6/58

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): NA1927

Vertical Datum (III):

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:

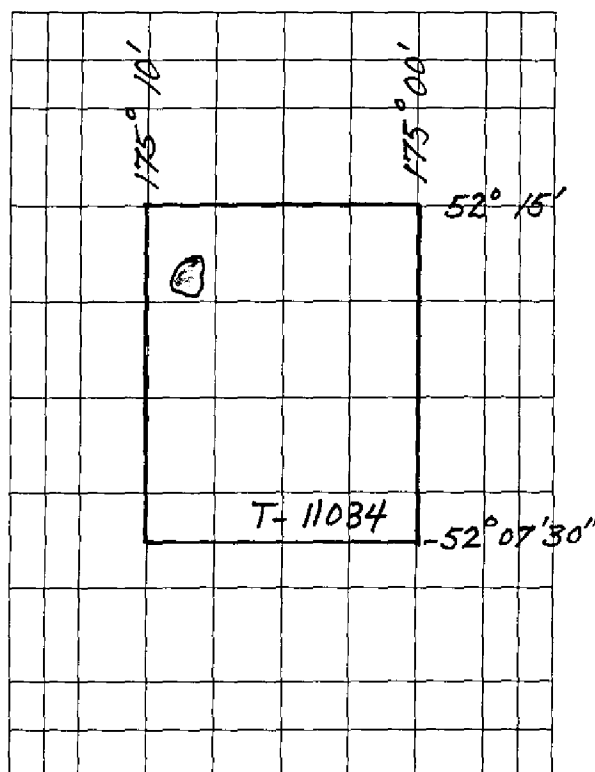
Y=

X=

MILITARY GRID = UTM, Zone 1, 2500 meter interval

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)

(X) (III)

Compiled on the Kelsh Plotter, model "B", by:

Lt. S. Parkinson

## DATA RECORD

Field Inspection by (II):

Date:

Planetable contouring by (II): **None**

Date:

Completion Surveys by (II): **None**

Date:

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

**MHWL is dated 1951 since the photographs used for the  
instrument delineation were taken in 1951**

Projection and Grids ruled by (IV):

Date:

**Jack Allen on the Reading Ruling Machine**

Projection and Grids checked by (IV):

**Howard D. Wolfe**

Date:

Control plotted by (III):

**Lt. Parkinson**

Date:

Control checked by (III):

**Frank J. Lesslie**

Date:

~~XXXXXX~~ or Stereoscopic**Lt. Parkinson**

Date:

Control extension by (III):

**19 Aug 52****19 Aug 52**

**delineation**  
Stereoscopic Instrument ~~XXXXXX~~ (III):

Planimetry

Contours

**Lt. Parkinson**

Date:

Date:

**compiled**  
Manuscript ~~XXXXXX~~ (III):

**John B. McDonald**

Date:

Photogrammetric Office Review by (III):

**William D. Harris**

Date:

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

**William D. Harris**

Date:

Camera (kind or source) (III): U S Navy 6" wide-angle

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
002-V4	21 Jul 51	0032 Z	1:41,000	3' below MSL
003-V4				4 1/8' below MHHW
41997, 98	21 Sept 53	1530	1:20,000	12' below MHHW

## NOTE:

Tide data computed by Mr. Wilcox of Tides and Currents, 6 Jan 53

## Tide (III)

Reference Station: Sweeper Cove  
Subordinate Station: Koniuj Island  
Subordinate Station:

DIURNAL		
Ratio of Ranges	Mean Range	SEMI RANGE
		3.7
0.8		3.5

Washington Office Review by (IV):

Date:

Final Drafting by (IV): J. Daugherty

Date: 3/22/58

Drafting verified for reproduction by (IV): W.O. Halluin

Date: 5/6/58

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 0.4 sq. mi.

Shoreline (More than 200 meters to opposite shore) (III): 3 mi.

Shoreline (Less than 200 meters to opposite shore) (III): None

Control Leveling - Miles (II): None

Number of Triangulation Stations searched for (II): None Recovered:

Identified:

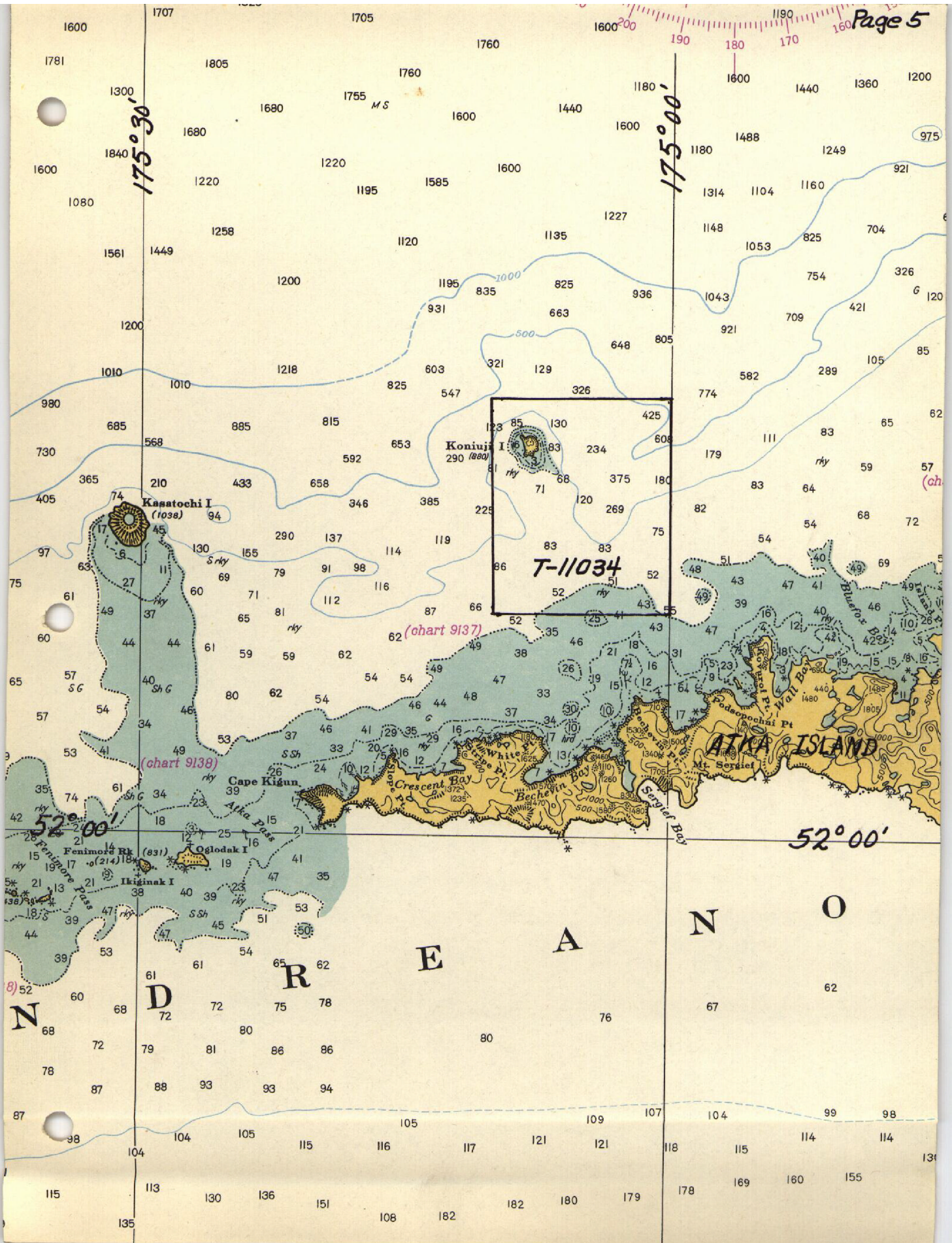
Number of BMs searched for (II): None Recovered:

Identified:

Number of Recoverable Photo Stations established (III): None

Number of Temporary Photo Hydro Stations established (III): None

Remarks:



Summary to Accompany Topographic Map T-11034

This map is one of Project Ph-34. It covers Koniuji Island of the Aleutian Islands.

This map was compiled in 1953 by the Kelsh Plotter. The compilation, in the absence of field inspection, was accomplished by using previous topographic and hydrographic surveys for control. Compilation was at a scale of 1:20,000. Contours were drawn at a 50-foot interval. The map was not field edited. After the addition of hydrographic information the map will be published by the Army Map Service as a standard topographic quadrangle.

*Cranar film positive*  
A ~~lithographic~~ print at manuscript scale and the descriptive report will be registered and filed in the Bureau Archives.

1. Preface:

COMPILATION REPORT31. Delineation:

In the absence of field inspection and control identification for this project, 1943 topographic and hydrographic surveys served both purposes.

There was no need for either radial plot or photogrammetric bridging. Delineation was accomplished with the Kelsh Plotter by direct setting of the model to the topographic survey of the area.

The shoreline and offshore rocks were transferred to the manuscript from the 1943 topographic survey sheet by superimposing the manuscript over the survey sheet so that the positions of the triangulation stations coincided. The transferred detail was then used to control the scale and orientation of the model. Small offshore rocks near triangulation stations were considered of greatest accuracy when conflicts occurred. The sea-level datum was used for leveling the model for contouring.

The entire land area of T-11034 was mapped.

32. Control:

Six triangulation stations exist in the area. The two hydrographic signals (GEE & VEGA), for which form 524 cards were submitted with T-6923a, were carried over to T-11034.

Only one triangulation station (Koniuji, 1943) was recovered in the model. In addition three offshore rocks were used to control the scale and orientation of the model.

As stated in side-heading 31 above, vertical control consisted of sea-level at the shoreline.

33. Supplemental Data:a. Topographic Survey:

T-6923a Koniuji Island, Atka Island, Alaska  
1:20,000 scale, 1943 season,  
M V E. Lester Jones, Elliot B. Roberts comdg.

b. Hydrographic Survey:

H-6849 Koniuji Island, Atka Island, Alaska  
1:20,000 scale, 1943 season,  
M V E. Lester Jones, Elliot B. Roberts comdg.  
USC&GSS Surveyor, Casper M. Durgin comdg.

34. Contours and drainage:

The photographic quality was satisfactory except in the shadow areas caused by extreme high and steep terrain. Only questionable contours could be drawn in these shadow areas and they can be identified as dashed contours on the map.

### 35. Shoreline and Alongshore Details:

In the absence of field inspection, the shoreline transferred from the topographic survey (T-6923a) to the manuscript served as a guide during instrument delineation of the shoreline. The entire shoreline was remapped due to errors in the shape caused by sketching between signals on the field survey. All offshore details shown on the topographic and hydrographic surveys were investigated in the model and detailed if visible. After compilation a comparison was made with the topographic and hydrographic surveys and all unmapped details thereon that had not been seen and detailed were added to the manuscript in red ink. The shoreline and alongshore details as shown on the manuscript, the combination of both instrument details in black and those from the field surveys in red, are not in disagreement with the soundings and depth curves on the hydrographic survey.

### 36. Offshore Details:

Covered in side-heading 35 above.

### 37. Landmarks and Aids:      None recommended.

### 38. Control for Future Surveys:      Inapplicable.

### 39. Junctions:

There are no contemporary maps joining this survey.

### 40. Horizontal and Vertical Accuracy:

The scale of this map is 1:20,000 and the contour interval is 50 ft. It meets the requirements of the National Standards of Map Accuracy for this scale and interval.

### 46. Comparison with existing maps:

No maps of comparable scale exist. The area is covered by an unpublished compilation sheet by the U.S. Geological Survey. It is titled "ATKA, ALASKA" and is 1:200,000 scale.

### 47. Comparison with Nautical Charts:

The largest scale chart covering the area is:

ATKA ISLAND-WESTERN PART No. 9137, 1:40,000 scale,  
Jan 1946 (1st edition), Last correction date Jan 1951.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY: None

ITEMS TO BE CARRIED FORWARD: None.

48. Geographic Name List:      see page 10.  
49. Notes for the Hydrographer:      Inapplicable.  
50. Compilation Office Review:      see page 11.

Submitted by

A handwritten signature in cursive script, reading "Stanley W. Trow", written over a horizontal line.

Stanley W. Trow, chief,  
Single lens Plotting Instrument Unit

Approved by

A handwritten signature in cursive script, reading "Louis J. Reed", written over a horizontal line.

Louis J. Reed, Chief  
Stereoscopic Mapping Section  
Photogrammetric Engineer

## GEOGRAPHIC NAMES

Survey No.

T11034

Name on Survey

	A	B	C	D	E	F	G	H	K	
Bering Sea										1
Koniugi Island										2
										3
										4
										5
										6
										7
										8
										9
										10
										11
										12
										13
										14
										15
										16
										17
										18
										19
										20
										21
										22
										23
										24
										25
										26
										27

Names approved

7-31-56

A.P.W.

## PHOTOGRAMMETRIC OFFICE REVIEW

T- 11034

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 N  
9. Plotting of sextant fixes N 10. Photogrammetric plot report N 11. Detail points N

## ALONGSHORE AREAS

(Nautical Chart Data)

N = None or Not applicable

12. Shoreline ☒ 13. Low-water line ☒ 14. Rocks, shoals, etc. ☒ 15. Bridges N 16. Aids to navigation N 17. Landmarks N 18. Other alongshore physical features ☒ 19. Other along-shore cultural features N

## PHYSICAL FEATURES

20. Water features ☒ 21. Natural ground cover N 22. Planetable contours N 23. Stereoscopic instrument contours ☒ 24. Contours in general ☒ 25. Spot elevations ☒ 26. Other physical features ☒

## CULTURAL FEATURES

27. Roads N 28. Buildings N 29. Railroads N 30. Other cultural features N

## BOUNDARIES

31. Boundary lines N 32. Public land lines N

## MISCELLANEOUS

33. Geographic names ☒ 34. Junctions N 35. Legibility of the manuscript ☒ 36. Discrepancy overlay N 37. Descriptive Report ☒ 38. Field inspection photographs ☒ 39. Forms ☒  
40. William D. Harris Louis J. Reed

Reviewer

Supervisor, Review Section or Unit

Louis J. Reed, Chief

41. Remarks (see attached sheet)

Stereoscopic Mapping Section  
Photogrammetric Engineer

## 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:

M-2623-12

Review Report  
Topographic Map T-11034  
8 August 1956

62. Comparison with Registered Topographic Surveys

T-6923a                      1:20,000                      1943

T-11034 supersedes T-6923a, a prior survey accomplished by plane table methods.

63. Comparison with Maps of Other Agencies

The area covered by this map was previously unsurveyed and no maps are available for comparative purposes other than a reconnaissance map titled "Atka, Alaska" by U. S. Geological Survey at scale 1:200,000.

64. Comparison with Contemporary Hydrographic Surveys

H-6849                      1:20,000                      1943

No discrepancies indicated.

65. Comparison with Nautical Charts

9137                      1:40,000                      1946

There are discrepancies in the contours. The contours shown on the map supersede those shown on the chart.


66. Adequacy of Results and Future Surveys

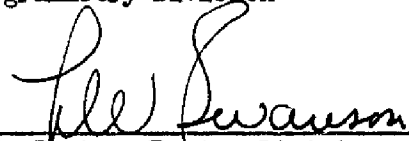
This map is complete and adequate and complies with the National Standards of Map Accuracy.

Reviewed by:

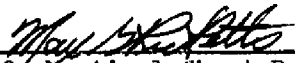
*L. C. Lande*  
L. C. Lande


APPROVED:

  
\_\_\_\_\_  
Chief, Review and Drafting Section  
Photogrammetry Division

  
\_\_\_\_\_  
Chief, Photogrammetry Division

29 July 1958

  
\_\_\_\_\_  
Chief, Nautical Chart Branch  
Charts Division

  
\_\_\_\_\_  
Chief, Coastal Surveys Division

History of Hydrographic Information for T-11034

Hydrography was added to the map manuscript in accordance with AMS Technical Instructions.

Depth curves and soundings are in fathoms at mean low water and originate with the following:

H-6849 1:20,000 1943; H-6850 1:60,000 1943; and  
Chart 9137 1:40,000

Hydrography was compiled by L. C. Lande on 9 August 1956 and verified by O. Svendsen.

*L. C. Lande*  
L. C. Lande