8633 THRU 8639

T-8636

[redacted]

8633 THRU 8639

T-8636

Diag. Cht. No. 8864-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-34 (48) *Office No.* T-8633 thru T-8639 (T-8636 Confid.)

LOCALITY

State Alaska [redacted]

General locality Aleutian Islands

Locality Kiska Island

1951

CHIEF OF PARTY

Hubert A. Paton, Chief B'more Photo Office

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

LIBRARY & ARCHIVES

DATE JUNE 28, 1955

B-1870-1 (1)

DATA RECORD

T-8633, 34, 35, 36, 37, 38, 39.

Project No. (II): Ph-34(48) Quadrangle Name (IV): See Manuscripts

Field Office (II):

Chief of Party:

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

Radial Plot = Hubert A. Paton, Chie
Compilation = Louis J. Reed, Chief,
Stereoscopic Mapping Branch

Instructions dated (II) (III):

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Reading Plotter

Manuscript Scale (III): 1:20,000 Stereoscopic Plotting Instrument Scale (III): 1:20,000

Scale Factor (III): 1.00

Date received in Washington Office (IV): MAY -1 1953 Date reported to Nautical Chart Branch (IV):

Applied to Chart No. 9102 9180 Date: 10/27/53 10/28/53 Date registered (IV): 21 June, 1955

Publication Scale (IV): 1:25,000 Publication date (IV):

Geographic Datum (III): NA 1927 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:

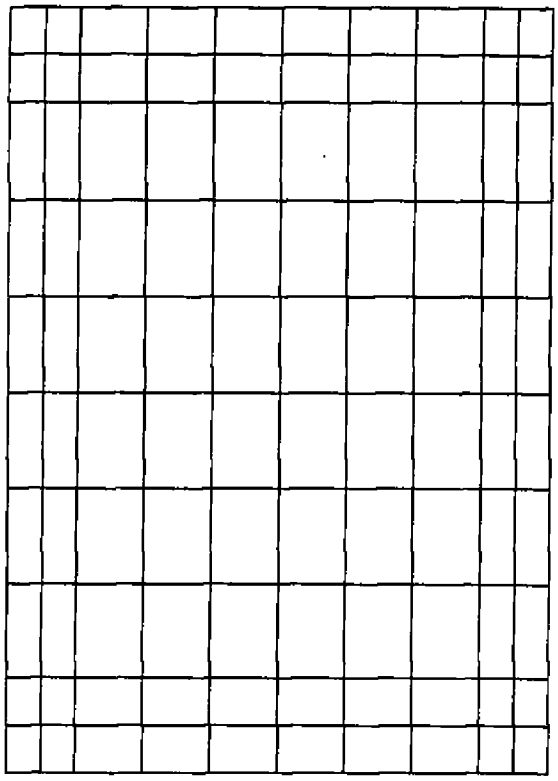
Y= X=

Universal Transverse Mercator Grid, Zone 60, 2500m 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.

M-2618-12(4)



Areas contoured by various personnel
(Show name within area)
(Ⓜ (III)

100% compiled on the Reading Plotter, model "A", by:
Clarence E. Misfeldt

DATA RECORD

Field Inspection by (II):	F.B.T.Siems EXPLORER	1947 Season
	Henry E.Finnegan PIONEER	Date: 1947 "
	FB.T. Siems EXPLORER	1948 "
	HENRY E.Finnegan PIONEER	1948 "
Planetable contouring by (II):	None	Date:
Completion Surveys by (II):	None	Date:

Mean High Water Location (III) (State date and method of location): The date of the MHWL of this compilation project is considered to be the date of the photography used for the instrument delineation, 6 Oct 1951. This date is selected since the field inspection covered a period of 3-4 years, 1947-9, and was used as a guide only, during the instrument work.

Projection and Grids ruled by (IV):	Stephen Rose on the Reading Ruling Machine	Date: 5 Jun 52
Projection and Grids checked by (IV):	Howard W.Wolfe	Date: 6 Jun 52
Control plotted by (III):	Albert Queen	Date: 22 Sep 52
Control checked by (III):	Ruth Hartley	Date: 24 Sep 52
Radial Plot ~~or Stereosketch~~ Control extension by (III):	Ruth Hartley Verified by Frank J. Taroza	Date: 9 Oct 52 10 Oct 52
Stereoscopic Instrument ~~compilation~~ delineation (III): Planimetry	both by Clarence E. Misfeldt	Date: 17 Apr 53
Contours		Date:
Manuscript ~~scribed~~ compiled by (III):	Robert L. Sugden	Date: 5 May 53
Photogrammetric Office Review by (III):	William D. Harris and Louis J. Reed	Date: 15 May 53
Elevations on Manuscript checked by ~~(II)~~ (III):	William D. Harris and Louis J. Reed	Date: 15 May 53

Camera (kind or source) (III): USC&GS, 9-lens, model "B", f = 8.25"

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
(55 photos)				
34205		13:25		3.8 above MLLW
thru	6 Oct 51	14:05 (165)	1:20,000	3.9 above MLLW ~~below MHHW~~ or 2' above MSL
34259		14:56		4.0 above MLLW

34236,37,38 not printed

34241 is all water area

Tide (III)

Ratio of Ranges	Mean Range	diurnal ~~Spring~~ Range
1.0		3.6

Reference Station: From SWEEPER COVE observations

Subordinate Station: Kiska Harbor, Kiska Island

Subordinate Station:

Washington Office Review by (IV): K. N. Maki Date: 11-19-53 thru 2-2-54

Final Drafting by (IV): T-8637 Melvin Church 9/22/54 – 9/28/54; T-8639 Melvin Church 9/28/54 – 10/13/54; T-8638 Melvin Church 10/1/54 – 10/21/54; T-8634 M. Church 12/14/54 – 12/31/54; T-8636 M. Church 1/3/55 – 1/18/55 Date:

Drafting verified for reproduction by (IV): T-8639 W.O. Hallin; T-8637 W.O. Hallin; T-8633 W.O. Hallin; T-8634 W.O. Hallin; T-8636 W.O. Hallin; T-8635 W.O. Hallin; T-8638 W.O. Hallin Date: 10-4-54; 10-8-54; 11-22-54; 1-13-55; 1-19-55; 11-12-54; 12-20-54

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): See table below

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

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

Control Leveling - Miles (II): None

Number of Triangulation Stations searched for (II): Recovered: Identified: 103

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

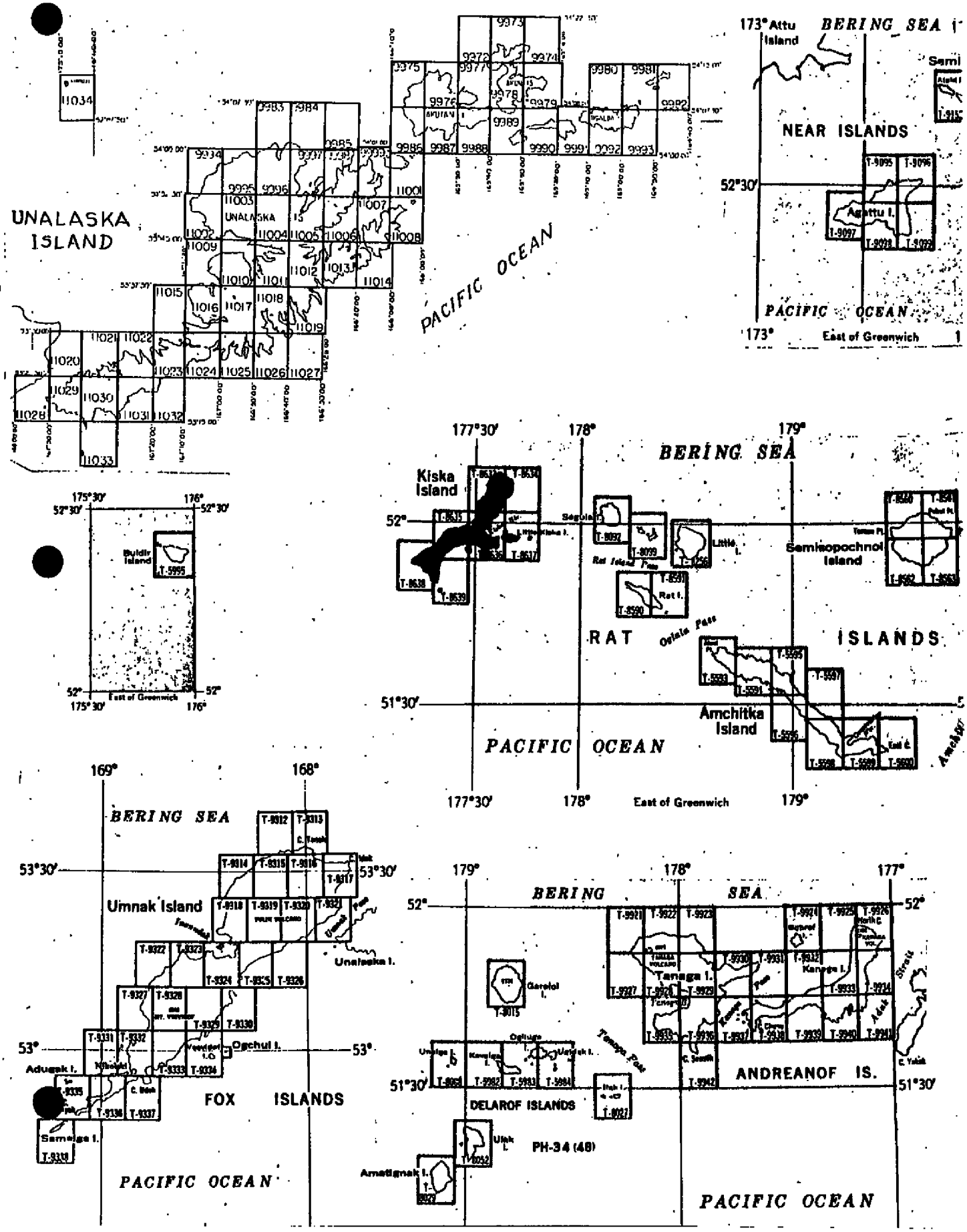
Number of Recoverable Photo Stations established (III):

Number of Temporary Photo Hydro Stations established (III):

Remarks:

	T-8633	T-8634	T-8635	T-8636	T-8637	T-8638	39
Land Area =	29 sq mi	5 sq mi	25 sq mi	35 sq mi	5 sq mi	13 sq mi	8
Shoreline =	18 miles	10 miles	28 miles	57 miles	13 miles	57 miles	11

ALASKA-BERING SEA Aleutian Islands



Summary to Accompany Descriptive

Report T-8633 to T-8639

Topographic maps T-8633 to T-8639, inclusive, are seven similar maps in project Ph-34(48). These maps cover that area of the Rat Islands comprising Kiska Island, Little Kiska Island and Tanadak Island. There are also a number of small rocky islets, some named, close to these larger islands. The maps were compiled by stereo-instrument methods using the nine-lens Reading plotter. The field operations preceding compilation included partial inspection of shoreline and foreshore areas, the recovery of horizontal control, the establishment of additional horizontal control and the determination of elevations to control the stereo-instrument project vertically. The compilation was at a scale of 1:20,000 with a contour interval of 50 feet supplemented by a contour interval of 25 feet where needed.

Each manuscript in this series of seven maps is 7½' in latitude by 10' in longitude. None of the maps were field edited.

Depth curves and critical soundings are to be applied to the manuscripts by the Division of Charts. These features do not appear on the preliminary registration prints.

A single descriptive report was prepared for these seven maps. A cloth-backed lithographic print of each map, at compilation scale, will be registered with the combined descriptive report in the Bureau Archives. After publication, a cloth-backed color print of each map will also be registered.

FIELD INSPECTION REPORT

2-20: See separate reports entitled: On file in general files of Div. of Photogrammetry

(a) REPORT ON FIELD INSPECTION
OF AIR PHOTOGRAPHS

1947 Season

Ship EXPLORER
F.B.T.Siems, Comdg

(b) REPORT ON FIELD INSPECTION
OF AIR PHOTOGRAPHS

1948 Season

Ship EXPLORER
F.B.T.Siems, Comdg

(c) AIR PHOTO REPORT OF FIELD INSPECTION

1948

Ship PIONEER
Henry E. Finnegan,
Comdg

(d) AIR PHOTO REPORT OF VERTICAL CONTROL

1948

Ship PIONEER
Henry E.Finnegan, Comdg

PHOTOGRAMMETRIC PLOT REPORT

PROJECT PH-34(48)

SURVEYS T-8633 to T-8639, incl.

21 .AREA COVERED:

This radial plot covers the area of Surveys T-8633 through T-8639. They are topographic surveys of Kiska, Little Kiska, and Tanadak Islands, Rat Islands, Alaska.

22. METHOD - RADIAL PLOT:

Map Manuscripts-
Vinylite sheets with polyconic projections in black and Universal Transverse Mercator grids in red, at a scale of 1:20,000, were furnished by the Washington Office. No base sheets were required as the radial plot was constructed directly on the map projections.

All control stations and substitute stations were plotted using the beam compass and meter bar.

A sketch, showing the layout of surveys in this plot and the distribution of identified control and photograph centers, is attached to this report.

Photographs-
All photographs used are nine lens metal mounted photographs at a scale of 1:20,000. Thirty-seven (37) photographs were used in this plot numbering as follows -

34205 thru 34218	34233 and 34234
34220 thru 34225	34239 and 34240
34227	34243 thru 34247
34229 thru 34231	34251 thru 34254

The symbols used on the photographs were given in special instructions for all radial plots using nine lens photographs which will be used later for compilation with the Reading Plotter.

Eleven other photographs were also furnished but were not needed for a satisfactory plot and will not be needed by the Reading Plotter.

Templets

Vinylite templets were made from all photographs using a master templet furnished by the Washington Office to adjust for error due to chamber displacements. Radial lines were scratched on the templets with a sharp needle point and the scratches were filled in with china marking pencils. Red pencil was used for all shoreline (rectification) pass points and black was used for all other radial lines.

Closure and adjustment to control

The radial plot was constructed directly on the map manuscripts. A preliminary plot was laid to determine whether there were any badly tilted photographs. The amount of tilt can be estimated by observing the displacement of the image points, indicated by red dots on the templets, of shoreline points and points of known elevations. Several photographs were found to be slightly tilted but not enough to affect the plot. However, photograph 34205 is badly tilted.

The final plot was started with the flight beginning with 34220, extending that flight northward, then the flights to the west and finally the southern flight.

There was an excessive amount of control and it was impossible to hold all of it. Stations which were felt to be well identified were naturally given preference and five stations, whose positions were considered weak, were disregarded.

Photograph 34205 was badly tilted and was laid last so as to have no effect on the plot. The center falls in water and its position is considered weak.

Transfer of points

The positions of all centers, pass points, and control stations were pricked on the top templets and circled with 3mm. blue circles. The points were then established on the remaining templets and the map manuscripts by drilling down through them with a small (.01 inch) jeweler's drill. All points were circled on each templet as it was removed and on the map manuscripts.

23. ADEQUACY OF CONTROL:

As stated previously there was more than enough control for a satisfactory plot.

There was inadequte information on recovery of old stations. All stations for which geographic positions were available were plotted excepted those listed on pages 273 and 274, 273 G-6993. These were at Kiska Harbor and were so closely spaced that it was considered inadvisable to show them. ~~Many~~ None of these were ~~not~~ described. These stations are white wash markings, white flags, prominent parts of wrecks, etc. that are unrecoverable or not permanent.

Radially plotted positions have been established for both PEN, 1948 and Sub. Pt. PEN. Since both radially plotted positions fell 1.0mm. to the west of the plotted positions it is believed the computed positions may be in error. Computed positions check. Pen is an unmarked intersection station. K.N.M.

Radially plotted position for NORTH HEAD, 1904 falls 7.0mm. to the north. This station was not identified by the field party and was pricked using the description. It has obviously been misidentified in the office but no attempt was made to reprick it as it was not necessary.

The remaining stations for which radially plotted positions were established were off less than 1.0mm. This is probably due to slight discrepancies in the office identification. Field identification of many were on 1935 Navy five-lens photographs and were difficult to transfer to the 1951 photographs.

24. SUPPLEMENTAL CONTROL:

Survey T-8632, scale 1:20,000, a shoreline manuscript of the southwest portion of Kiska Island, compiled in May 1949 was available. Also furnished were 1:20,000 scale planetable sheets T-7077, T-7078, and T-7079 along the northeast and northwest coasts of the island.

Of the five stations whose positions were disregarded, one station, POT,1948 was held in the radial plot. Radially plotted positions have been established for the other four, GERTY, 1948, RAG 1948, ABE 1948, and PIN 1948. The positions for the first two were established by theodolite and the other two by sextant. The positions for all five stations were obtained from the report for T-8632.

The positions for WASH 1948, FOG 1948, and FLAT 1948 which were established photogrammetrically in T-8632 could not be held in this radial plot. New positions were established.

The old positions on forms 524 were crossed off and new radial plot positions indicated in red.
Positions shown in red supersede old positions.
One new recoverable topographic station SIR 1952 was established. This was a hydrographic station which was used in 1948. The position checked with planetable sheet T-7078.

25. PHOTOGRAPHY:

Photographic coverage, definition, and overlap was adequate. Vacuum failure on a couple of photographs had no serious effect on the plot nor did any of the several tilted photographs. An attempt to make a tilt determination for photograph 34205 proved futile because the three scale points which were obtained were too nearly in a straight line. Only about one third of the photograph is land area.

26. VERTICAL CONTROL:

The elevations of twelve peaks were computed. One,* Peak B (from GERTY) was rejected because the two elevations obtained differed by 50 meters. The horizontal angles did not check exactly but it is believed the elevation will not be needed so no further attempt was made to identify the peak.

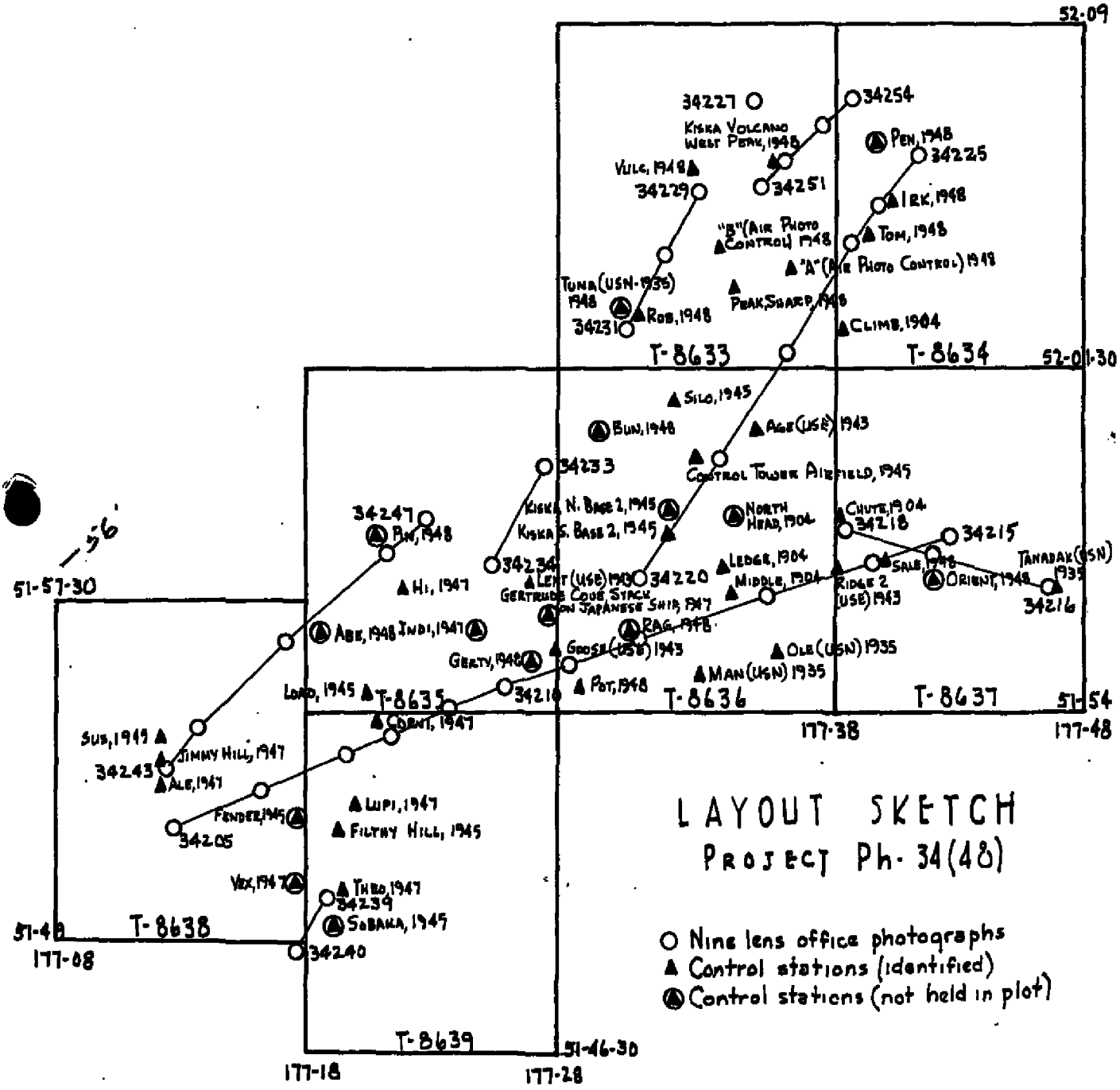
* Retained on map manuscript as unchecked spot elevations. - agree with instrument elev.

Respectfully submitted
15 October 1952

Ruth R. Hartley
Ruth R. Hartley
Carto. Photo. Aid

Approved and Forwarded
21 October 1952

For Joseph Steinberg
Hubert A. Paton
Comdr., C&GS
Officer in Charge


52-09
34227
34254
Kiska Volcano West Peak, 1948
Pen, 1948
34225
Vulc, 1948
34229
34251
Irk, 1948
"B" (Air Photo Control) 1948
Tom, 1948
"A" (Air Photo Control) 1948
Tuna (USN-1935) 1948
Peak, Sharp, 1948
Rob, 1948
34231
Climb, 1904
T-8633
T-8634
52-01-30
Silo, 1945
Bun, 1948
Age (USE) 1943
34233
Control Tower Airfield, 1945
34247
Kiska N. Base 2, 1945
Kiska S. Base 2, 1945
North Head, 1904
Chute, 1904
34218
34215
Pin, 1948
34234
Lent (USE) 1943
34220
Ledge, 1904
Middle, 1904
Sale, 1948
Tanadak (USN) 1935
Ridge 2 (USE) 1943
Orient, 1948
34216
Hi, 1947
Gertrude Cove Stack on Japanese Ship, 1947
Abe, 1948
Indi, 1947
Rag, 1948
Goose (USE) 1943
Ole (USN) 1935
Gerty, 1948
Man (USN) 1935
Load, 1945
T-8635
34210
Pot, 1948
T-8636
T-8637
51-54
177-38
177-48
51-57-30
Corni, 1947
Sus, 1945
Jimmy Hill, 1947
34243
Ale, 1947
Lupi, 1947
Fender, 1945
Filthy Hill, 1945
34205
Vex, 1947
Theo, 1947
34239
Sobaka, 1945
T-8638
51-48
177-08
34240
T-8639
51-46-30
177-18
177-28
LAYOUT SKETCH
PROJECT Ph-34(48)
○ Nine lens office photographs
▲ Control stations (identified)
◉ Control stations (not held in plot)

COMPILATION REPORT

31. Delineation:

The seven topographic quads covering Kiska Island have been delineated on the Reading Plotter, model "A". The entire area of the island has been completed in this operation; no areas have been left blank because of cloud cover, or left dashed as approximate delineation for any reason.

32. Control: see also item 23.

More than adequate control was existant for control of the radial plot; refer to side-heading 23 of the Radial Plot Report. Certain stations have been left off the manuscripts where they were too crowded or there was a doubt as to their permanency.

33. Supplemental Data:

a. Volumn of Elevation Computations: Entitled,

"COMPUTATIONS OF ELEVATIONS AND TABULATIONS OF VERTICAL CONTROL POINTS FOR SURVEYS T-8633 thru T-8639."

b. Compilation Photographs:

34240 thru 34 254 (Details on page 4)

c. Shoreline manuscript T-8632 (1949), with report (1:20,000)

d. Field Sheet Index, Ship EXPLORER, 1948, 1:40,000, acetate.

e. Graphic Control Surveys:

✓T-7115, 1;20,000, film positive
✓T-7116a, 1:20,000, film positive
T-7116b, 1:20,000, on film positive reduced from 1:10,000
✓T-7117, 1:20,000, film positive
✓T-7117, 1:20,000, on film positive reduced from 1:10,000
✓T-7118a, 1:20,000, film positive
✓T-7118b, 1:20,000, on film positive reduced from 1:10,000
✓T-7119, 1:20,000, on film reduced from 1:10,000
✓T-7071, 1:20,000, on film positive reduced from 10,000

f. Hydrographic Surveys:

✓H-7644 Kiska Island, North Part 1:20,000 1948 season
Ship PIONEER, H.E.Finnegan, Comdg.

✓H-7707 Kiska Island, SW Coast 1:20,000 (plus 1:10,000 of Dark cove and Corvie Bay) 1947 and 1948 seasons
Ship EXPLORER, F.B.T.Siems, Comdg

✓H-7707 Kiska Island, SW Coast 1:20,000 1949 season
Ship EXPLORER, H.Arnold Karo, Comdg

33. Supplemental Data: Contd

H-7708 Kiska Island, Little Kiska Island and Vicinity 1:20,000 1948 season Ship Explorer, F.B.T.Siems, Comdg

H-7712 Kiska Harbor and Vicinity 1:10,000 1948 season Ship EXPLORER, F.B.T.Siems, Comdg

H-7713 Kiska Island, Gertrude Cove 1:10,000, 1948 season Ship EXPLORER, F.B.T.Siems, Comdg

H-6933 Kiska Harbor (Portion) 1:10,000 Aug & Sep 1948 HYDROGRAPHER (W.M.Scaife) and EXPLORER(G.C.Mattison)

34. Contours and Drainage:

The photographic quality of the instrument photos was only average, but usable, ~~and~~ the entire island was contoured leaving no areas of doubtful contouring. Some difficulty was experienced because of the erratic spacing of the photography; for the most part the spacing was too great for ~~proper~~ efficient instrument functioning.

35. Shoreline and Alongshore Details:

The shoreline inspection was not altogether adequate and was variable in density of information presented; short sections would be overly detailed while others adjoining would be bare of details. Further, the inspection was accomplished over three field seasons by as many different inspectors using more than three different sets(partial) of photography(none of which were ~~the same set~~ used for compilation), ~~and~~ the inspection was made in competition with inshore hydrographic work involving several graphic control surveys with which it had to conform, and therefore ~~it is little wonder~~ the shoreline inspection which was used was a bit difficult to interpret. However, it was used as a guide throughout instrument delineation of the manuscript shoreline, ~~which~~ should be considered as superseding all previous surveys and compilations. No low-water line was provided, field or office, but considerable shoal and foul lines have been delineated guided partially by field inspection and graphic surveys, and partially by compilation T-8632. For the most part, the foul lines are in the form of ledge or scattered rocks-awash which form an outer barrier. None of the alongshore detail conflicts with the hydrographic surveys listed in sub-heading 33, above. *

* See Review Report, item 67

36. Offshore Details:

This compilation includes Little Kiska Island, Tanadak Island, and Sobaka Rock, all of which have been treated as being a part of Kiska Island.

37. Landmarks and Aids:

See side-heading 47. None others recommended.

38. Control for Future Surveys:

12 Topo stations with 524 cards and 4 Hydro stations with identification cards, were located by the radial plot:

T-8633 SIR, ~~1948~~ 1952
T-8634
T-8635 GERTY,1948 ABE,1948 PIN,1948 FOG,1948 FLAT,1948
T-8636 POT,1948 RAG,1948 Cor,End,Nut,Rust
T-8637
T-8638 WASH,1948 EAR,1947 BEN,1947 CAT,1947
T-8639

39. Junctions: All are in agreement by continuous compilation.

40. Horizontal and Vertical Accuracy:

These quads meet the map standards for a scale of 1:20,000, and for a 50ft contour interval. The 25ft contours delineated are considered to meet the standards for a 25ft interval, but the map is meant to be of 50ft contour interval.

46. Comparison with Existing Maps:

KISKA ISLAND, USE, 1:~~62500~~ 25000, edition of July 1943.

47. Comparison with Nautical Charts:

KISKA HARBOR, KISKA ISLAND No 9124 1:15,000
APPROACHES TO KISKA HARBOR, RAT ISLANDS No 9155 1:50,000
KISKA ISLAND, RAT ISLANDS No 9180 1:80,000

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY: none

ITEMS TO BE CARRIED FORWARD: Landmarks:
1. Red Bluff P A at 52°05' - 177°40'
2. Hut at 51°57 - 177°42'

48. Geographic Name List: See page 16+17 following.

49. Notes for the Hydrographer: Not applicable.

50. Compilation Office Review: See page 18 following.

Submitted by:

William D. Harris

William D. Harris, Chief,
9-Lens Plotter Section

Forwarded by:

Louis J. Reed

Louis J. Reed, Chief,
Stereoscopic Mapping Branch

GEOGRAPHIC NAMES

Survey No.

T-8633 thru T-8639

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
T-8633										1
BERING SEA ✓										
CHRISTINE LAKE ✓										2
EAST KISKA LAKE ✓										
KISKA ISLAND ✓										3
KISKA VOLCANO ✓										
McARTHUR PASS ✓										4
SIRIUS POINT ✓										
VULCAN POINT ✓										5
WEST KISKA LAKE ✓										
WITCHCRAFT POINT ✓										6
WOLF POINT ✓										7
T-8634										8
BERING SEA ✓										
HAYCOCK ROCK ✓										9
KISKA ISLAND ✓										
McARTHUR PASS ✓										10
NORTHEAST ROCKS ✓										
SREDNI BIGHT ✓										11
SREDNI POINT ✓										12
T-8635 ✓										13
BERING SEA ✓										
GERTRUDE COVE ✓										14
KISKA ISLAND ✓										
LIEF COVE ✓										15
VEGA BAY ✓										16
T-8636 ✓										17
BERING SEA ✓	Andy Cove ✓									
BUKHTI POINT ✓										18
CONQUER POINT ✓										
JEFF COVE ✓										19
HARPOON POINT ✓										
KISKA ISLAND ✓										20
KISKA HARBOR ✓										
LITTLE KISKA ISLAND ✓										21
LUG POINT ✓										
MUTT COVE ✓										22
NORTH HEAD ✓										
NORTH PASS ✓										23
PACIFIC OCEAN ✓										
REYNARD COVE ✓										24
SOUTH HEAD ✓										
SOUTH PASS ✓										25
SALMON LAGOON ✓										
SARGEANT COVE ✓					Names approved 11-19-63 L. Heck					26
TROUT LAGOON ✓										
TWIN ROCKS ✓										27

GEOGRAPHIC NAMES

Survey No.

T-8633 thru T-8639

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
T-8637										1
BERING SEA										2
LITTLE KISKA HEAD										3
LITTLE KISKA ISLAND										4
McARTHUR PASS										5
NAVY COVE										6
ORIENT POINT										7
PACIFIC OCEAN										8
SOUTH PASS										9
TANADAK ISLAND										10
TANADAK PASS										11
YUG POINT										12
T-8638										13
BERING SEA										14
CAPE ST STEPHEN										15
DARK COVE										16
KISKA ISLAND										17
PACIFIC OCEAN										18
T-8639										19
CORVI BAY										20
KISKA ISLAND										21
PACIFIC OCEAN										22
SABAKA ROCK										23
VEGA BAY										24
VEGA POINT										25
										26
										27

(map corrected from Stephan)

(correctly on map)

(" " ")

Names approved 11-19-53
L. Heck.

Form T-2

PHOTOGRAMMETRIC OFFICE REVIEW

T- 8633 thru 8639

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 ✓ 11. Detail points ✓

✓ = checked
N = non-existent

ALONGSHORE AREAS
(Nautical Chart Data)

12. Shoreline ✓ 13. Low-water line N 14. Rocks, shoals, etc. ✓ 15. Bridges N 16. Aids to navigation N 17. Landmarks N 18. Other alongshore physical features ✓ 19. Other alongshore 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 ✓ 28. Buildings ✓ 29. Railroads N 30. Other cultural features N

BOUNDARIES

31. Boundary lines N 32. Public land lines N

MISCELLANEOUS

33. Geographic names ✓ 34. Junctions ✓ 35. Legibility of the manuscript ✓ 36. Discrepancy overlay N 37. Descriptive Report N 38. Field inspection photographs ✓ 39. Forms ✓

40. WDH & [signature] — Reviewer

Louis J. Reed — Supervisor, Review Section or Unit

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:

M-2623-12

62. Comparison with Registered Topographic Surveys.-

T-7115	1:20,000, 1948	(Planetable)
7116a	" 1947	"
7116b	1:10,000, 1948	"
7117	1:20,000, 1947	"
7118a	" 1948	"
7118b	1:10,000 1948	"
8632	1:20,000, 1949	"

There are some differences in the minor details of shoreline configuration between that shown on the above surveys and the maps of this series. These differences do not conflict with the general position of the shoreline. There are differences in the amount and extent of foreshore ledge shown between the previous surveys and this survey, but none of the differences are critical.

T-8633 to T-8639, inclusive, supersede the above surveys for nautical charting purposes.

63. Comparison with Maps of Other Agencies.-

Kiska Island, USE, 1:25,000, 1943

The USE quadrangles in comparison with the maps T-8633 through T-8639 show a more generalized shoreline, the foreshore ledge is shown more extensively and the shoreline cliffs are shown by hachures rather than contours.

64. Comparison with Contemporary Hydrographic Surveys.-

H-6933	1:10,000	1943
7644	1:20,000	1947-48
7707	1:10,000 1:20,000	1947-49
7708	1:20,000	1948
7712	1:10,000	1948
7712 Ad WK	1:10,000	1949
7713	1:10,000	1948

The maps of this project were compared with the above prior hydrographic surveys. Conflicting differences existing between the topographic surveys and the hydrographic surveys, with respect to foreshore and offshore features, have been reconciled on the topographic surveys to agree with the hydrographic surveys.

65. Comparison with Nautical Charts.-

Chart	8864	1:300,000	corr. to 9/29/52
	9124	1:15,000	corr. to 1/7/52
	9155	1:50,000	corr. to 1/15/51
	9180	1:80,000	corr. to 1/22/51

The maps of this series and the charts have differences in the configuration of shoreline, the size and shape of near shore rocks and elevations of peaks, but none of these minor differences are critical to navigation.

66. Adequacy of Results and Future Surveys.-These maps are adequate for use in hydrographic surveys and the construction of nautical charts. These maps meet the National Standards of Map Accuracy.

67. Foreshore Delineation.- Reference last sentence of item 35. The delineation of an outer barrier of ledge separated from the shoreline by shallow areas was revised to include the shallows as ledge. These shallows are awash at MLLW as indicated by field notes on nine-lens field photograph 21157 and are required to be shown by a ledge symbol.

Reviewed by:

K. N. Maki

K. N. Maki

APPROVED:

L C Lande
Chief, Review Branch
Div. of Photogrammetry

H. R. Edmonston
Chief, Nautical Chart Branch
Division of Charts GFU

R W Swanson
Chief, Div. of Photogrammetry
Jan 27, 1955

Earl O. Heaton
Chief, Div. of Coastal Surveys

History of Hydrographic Information
Quadrangle T-8633
Kiska Island, Alaska

Hydrography was applied to the map manuscript of this quadrangle in accordance with Division of Photogrammetry General Specifications dated 18 May 1949 and Army Map Service TM 45-14, Chapter 14.

The depths are in fathoms at mean lower low water and originate with the following surveys:

H-7596	(1947)	1:40,000
H-7644	(1949)	1:20,000

Depth curves are shown at 1, 3, 5, and 10 fathoms. Hydrography compiled by K. N. Maki and checked by O. Svendsen, 5 May 1954.

K. N. Maki

K. N. Maki
Div. of Photogrammetry
4/26/54

Hydrography was applied to this and other maps T-8633 & T-8639 at request of Army Map Service for publication of the military edition of these maps. BJG 6-7-55

History of Hydrographic Information
Quadrangle T-8634
Kiska Island, Alaska

Hydrography was applied to the map manuscript of this quadrangle in accordance with Division of Photogrammetry General Specifications dated 18 May 1949 and Army Map Service TM45-14, Chapter 14.

The depths are in fathoms at mean lower low water and originate with the following surveys:

H-7644	(1949)	1:20,000
H-7645	(1948)	1:20,000
H-7649	(1948)	1:40,000

Depth curves are shown at 3.5 and 10 fathoms. Hydrography compiled by K. N. Maki and checked by O. Svendsen 5 May 1954.

K. N. Maki

K. N. Maki
Div. of Photogrammetry
4/27/54

History of Hydrographic Information
Quadrangle T-8635
Kiska Island, Alaska

Hydrography was applied to the map manuscript of this quadrangle in accordance with Division of Photogrammetry General Specifications dated 18 May 1949 and Army Map Service TM45-14, Chapter 14.

The depths are in fathoms at mean lower low water and originate with the following surveys:

H-7596	(1947)	1:40,000
7644	(1949)	1:20,000
7707	(1947-49)	1:20,000
7713	(1948)	1:10,000

Depth curves are shown at 1, 3, 5, and 10 fathoms. Hydrography compiled by K.N. Maki and checked by O. Svendsen 12 May 1954.

K. N. Maki
Div. of Photogrammetry
4/30/54

History of Hydrographic Information
Quadrangle T-8636
Kiska Island, Alaska

Hydrography was applied to the map manuscript of this quadrangle in accordance with Division of Photogrammetry General Specifications dated 18 May 1949 and Army Map Service TM 45-14, Chapter 14.

The depths are in fathoms at mean lower low water and originate with the following surveys:

H-2700	(1904)	1:10,000
6933	(1943)	"
7644	(1949)	1:20,000
7707	(1947-49)	"
7708	(1948)	"
7712	(1948)	1:10,000

Depth curves are shown at 1, 3, 5 and 10 fathoms. Hydrography compiled by K. N. Maki and checked by O. Svendsen.

K. N. Maki

K. N. Maki
Div. of Photogrammetry
5/10/54

History of Hydrographic Information
Quadrangle T-8637
Kiska Island, Alaska

Hydrography was applied to the map manuscript of this quadrangle in accordance with Division of Photogrammetry General Specifications dated 18 May 1949 and Army Map Service TM 45-14 Chapter 14.

The depths are in fathoms at mean lower low water and originate with the following surveys:

H-7645	(1948)	1:20,000
7708	(1948)	1:20,000
7712	(1948)	1:10,000

Depth curves are shown at 3, 5 and 10 fathoms. Hydrography compiled by K. N. Maki and checked by O. Svendsen, 27 May 1954.

K. N. Maki

K. N. Maki
Div. of Photogrammetry
5/12/54

History of Hydrographic Information
Quadrangle T-8638
Kiska Island, Alaska

Hydrography was applied to the map manuscript of this quadrangle in accordance with Division of Photogrammetry General Specifications dated 18 May 1949 and Army Map Service TM 45-14, Chapter 14.

The depths are in fathoms at mean lower low water and originate with the following surveys:

H-7625	(1947-48)	1:40,000
H-7707	(1947-49)	1:20,000

Depth curves are shown at 1, 3, 5 and 10 fathoms. Hydrography compiled by K. N. Maki and checked by O. Svendsen.

K. N. Maki

K. N. Maki
Div. of Photogrammetry
5-17-54

History of Hydrographic Information
Quadrangle T-8639
Kiska Island, Alaska

Hydrography was applied to the map manuscript of this quadrangle in accordance with Division of Photogrammetry General Specifications dated 18 May 1949 and Army Map Service TM 45-14, Chapter 14.

The depths are in fathoms at mean lower low water and originate with the following surveys:

H-7625	(1947-48)	1:40,000
7707	(1947-49)	1:20,000

Depth curves are shown at 3, 5 and 10 fathoms. Hydrography compiled by K. N. Maki and checked by O. Svendsen.

K. N. Maki
K. N. Maki
Div. of Photogrammetry
5/18/54

NAUTICAL CHARTS BRANCH

SURVEY NO. T8633 - T8639 incl.

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
10/20/53	9180	[illegible]	Before ~~After~~ Verification and Review Partially appl'd. (Added offshore rocks, and geo. names.)
10/27/53	9102	C.R. Wittmann	Before ~~After~~ Verification and Review (not applicable)
1954-5	9124	Wittmann & Walker	~~Before~~ After Verification and Review Completely applied to Reconstruction
Oct. '53 - Apr '54	Reconstr. 9180	G.N. Stephanos	DURING Before After Verification and Review BMC
11/61	8864	[illegible]	~~Before~~ After Verification and Review Offshore partial appl'n - to be considered final until recurvey.
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

M-2168-1

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.