8459
thru
8463

Diag. Cht. No. 8700

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Photogrammetric Shoreline

Field No. T-8459 thru *Office No.* T-8463

LOCALITY

State Alaska

General locality Alaska Peninsula

Beaver Bay to Vicinity of Guillemot Island

Locality Shumagin Islands

Unga and Korovin Islands

1941-'42

CHIEF OF PARTY

R.W.Knox

LIBRARY & ARCHIVES

DATE February 8, 1950

8-1870-1 (1)

8459 thru 8463

DATA RECORD

T-8459 through T-8463

Project No. (II): None

Quadrangle Name (IV):

Field Office (II):

~~Chief of Party~~: R. W. Knopf chief of Branch

Photogrammetric Office (III): Washington Office

Officer-in-Charge: L. C. Lande chief of Section compilation unit

Instructions dated (II) (III):

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Graphic Compilation

Manuscript Scale (III): 1:20,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): 1.0

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): 1 Feb 1950

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): Unalaska

Vertical Datum (III): MHW

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:

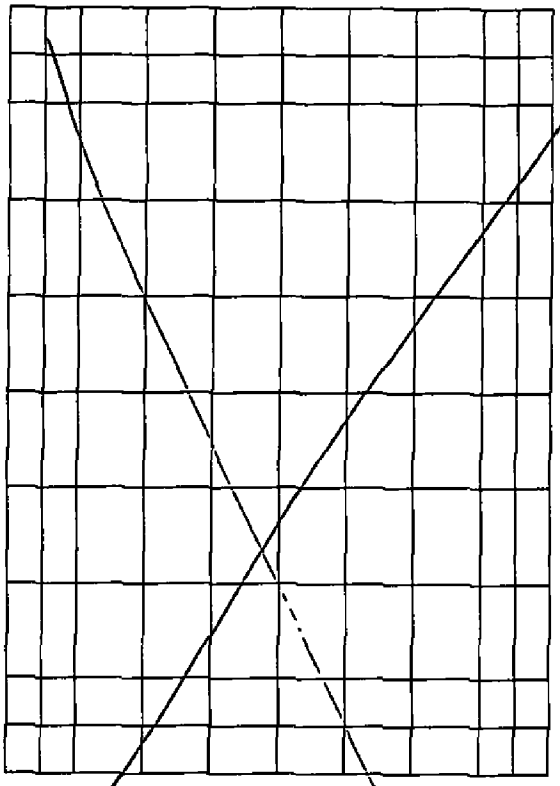
Y=

X=

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)
(II) (III)

DATA RECORD

Field Inspection by (II): None Date:

Planetable contouring by (II): Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): Compiled from photographs without field inspection - photographs taken in 1941 and 1942.

Projection and Grids ruled by (IV): Ruling Machine Date: Jan. 1943

Projection and Grids checked by (IV): Washington Office Date: Jan. 1943

Control plotted by (III): Washington Office, Photogrammetric Section Date: 1943-1944

Control checked by (III): Washington Office, Photogrammetric Section Date: 1943-1944

Radial Plot ~~of Stereoscopic Control extension by~~ (III): Washington Office, Photogrammetric Section Date: 1943-1944

Stereoscopic Instrument compilation (III): Planimetry Date:

Contours Date:

Manuscript delineated by (III): Washington Office, Photogrammetric Section Date: 1943-1944

Photogrammetric Office Review by (III): Date:

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

Camera (kind or source) (III): U.S.C. & G.S. 9-lens

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
6194 - 6200	8-6-41		1:20,000	
10876,85-87,97,98	9-5-42		1:20,000	
11152 - 58	9-13-42		1:20,000	
11213,14,32,33,50,51,53,55,74-76,78, 80,98,99	9-14-42		1:20,000	
307,08,10,13-17,21,23, 24	9-14-42		1:20,000	

Tide (III)

	Ratio of Ranges	Mean Range	Spring Range
Reference Station:			
Subordinate Station:			
Subordinate Station:			

Washington Office Review by (IV): G. B. Willey Date: Dec.12,1949

Final Drafting by (IV): Date:

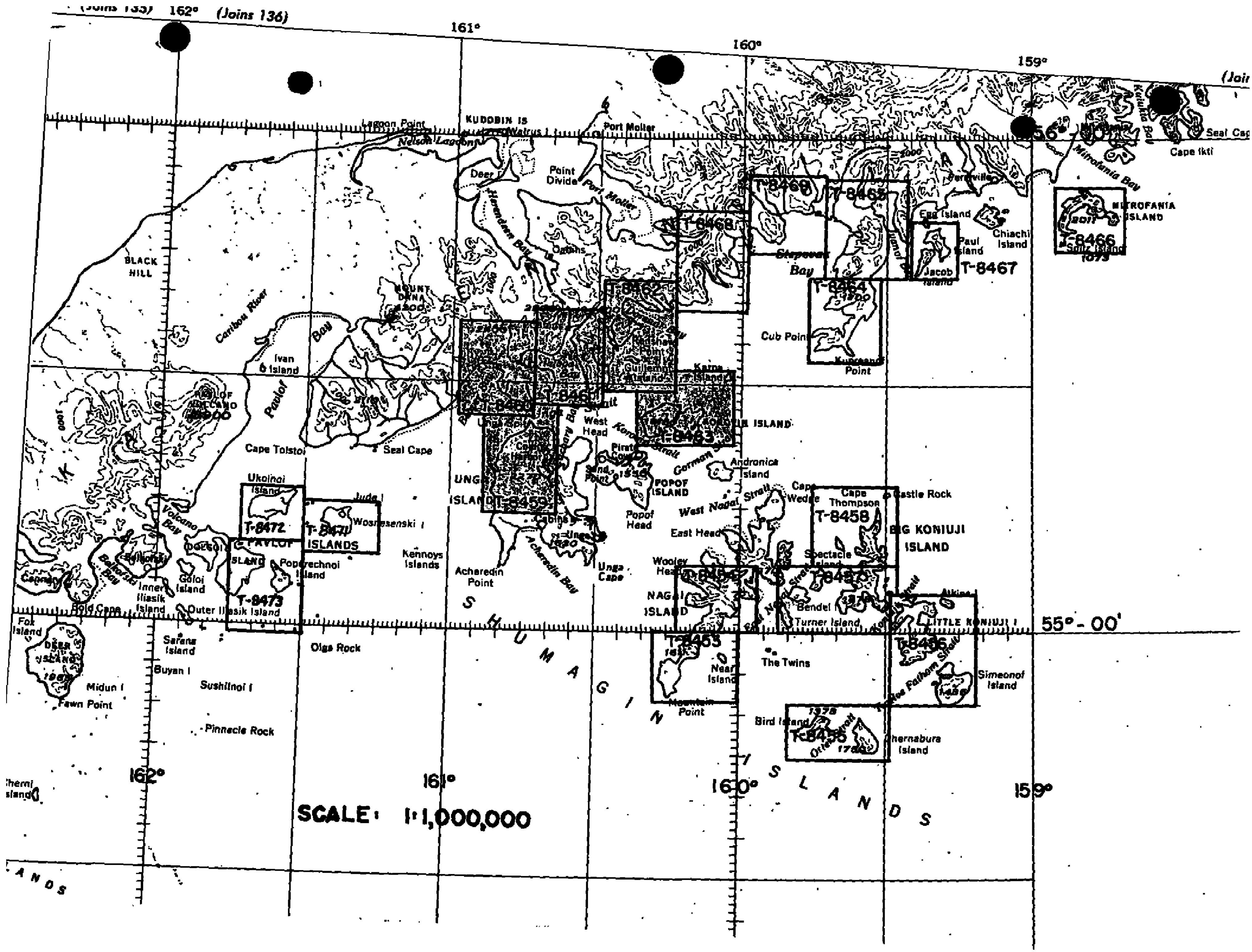
Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

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): Recovered: Identified:
Number of BMs searched for (II): Recovered: Identified:
Number of Recoverable Photo Stations established (III):
Number of Temporary Photo Hydro Stations established (III):

Remarks: Underlined elevations of mountain peaks were taken from triangulation data, other elevations were obtained from photogrammetric measurements.

M-2618-12(4)


(Joins 135)
(Joins 136)
162°
161°
160°
159°
55° - 00'
KUDOBIN IS
Lagoon Point
Nelson Lagoon
Port Moller
Point Divide
BLACK HILL
Caribou River
MOUNT DANA
Ivan Island
Pavlof
Cape Tolstoi
Seal Cape
Ukolnoi Island
T-8472
T-8471
Wosnesenski I
ISLANDS
T-8473
PAVLOF ISLANDS
Popofrechnoi Island
Kennoys Islands
Acheredin Point
Acheredin Bay
Unga Cape
UNGA ISLAND
T-8459
T-8460
T-8461
T-8462
T-8463
T-8464
T-8465
T-8466
T-8467
T-8468
T-8469
West Head
POPOF ISLAND
Popof Head
Andronica Island
West Nagai Strait
East Head
Wooley Head
NAGAI ISLAND
T-8458
Cape Thompson
Castle Rock
BIG KONIUJI ISLAND
Spectacle Island
T-8457
Bendel I
Turner Island
LITTLE KONIUJI I
T-8456
Simeonof Island
T-8455
Bird Island
Chernabura Island
T-8453
Near Island
Mountain Point
The Twins
Cub Point
Kupreanof Point
Stepovak Bay
Egg Island
Paul Island
Chiachi Island
Jacob Island
Perryville
MITROFANIA ISLAND
Mitrofania Bay
Cape Ikti
Seal Cape
Kuiukta Bay
Volcano Bay
Belkofski Bay
Inner Iliasik Island
Outer Iliasik Island
Goloi Island
Cold Cape
Fox Island
DEER ISLAND
Olga Rock
Sanak Island
Buyan I
Sushilnoi I
Midun I
Fawn Point
Pinnacle Rock
SHUMAGIN ISLANDS
SCALE: 1:1,000,000

Descriptive Report and Review
T8459 & T8463

~~Summary to Accompany T-8459 thru T-8463~~

The preliminary shoreline maps shown on the attached index were radial plotted and the detail delineated in 1943 and 1944 without field inspection of any kind, to furnish detail for small scale nautical charts and shoreline for hydrographic surveys. The attached "Memorandum to Accompany Air Photographic Surveys T-8459 to T-8463, Unga Straits, Alaska, Project CS-279" was written in 1943 or 1944, but the field work was not accomplished under these instructions.

Preliminary shoreline map T-8459 covers the northwest side of Unga Island, Shumagin Islands, Alaska, from Latitude 55°-14' to 55°-24' and Longitude 160°-38' to 160°-52'; T-8460 covers the vicinity of Beaver Bay, Alaska Peninsula, from Latitude 55°-27' to 55°-36' and Longitude 160°-42' to 160°-58'; T-8461 covers the vicinity of Balboa Bay, Alaska Peninsula, from Latitude 55°-27' to 55°-38' and Longitude 160°-29' to 160°-42'; T-8462 covers the vicinity of Guillemot Island, Alaska Peninsula, from Latitude 55°-29' to 55°-42' and Longitude 160°-13' to 160°-29'; and T-8463 covers the vicinity of Korovin Island, Shumagin Islands, Alaska, from Latitude 55°-22' to 55°-31' and Longitude 160°-02' to 160°-22'.

A continuous radial plot was laid for sheets T-8459 through T-8465, T-8468 and T-8469. It is not recommended that these sheets be used for large scale mapping without the usual field inspection.

a more recent
Topographic map T-8837 (1:20,000), Project CS-319, Alaska Peninsula, covers the area of Dorenoi Bay to Albatross Anchorage, from Latitude 55°-36' to 55°-44' and Longitude 160°-20' to 160°40', and T-8838 (1:20,000). Project CS-319, Alaska Peninsula, covers the area from San Diego Bay to Balboa Bay, from Latitude 55°-28' to 55°-36' and Longitude 160°-20' to 160°-40'. These two topographic maps supersede all the detail shown in these areas on T-8461 and T-8462.

Data pertaining to T-8459, T-8460, T-8461, T-8462 and T-8463 is filed as follows:

A. Division of Photogrammetry General Files:
   1. Acetate Manuscripts

B. Bureau Archives:
   1. A cloth backed lithographic print of the reviewed maps at compilation scale
   2. Registered original descriptive reports

GAI

Reviewed by:

G. B. Willey

G. B. Willey
12 Dec 1949

Approved:

S. V. Griffith 2/1/50
Chief, Review Section
Division of Photogrammetry

H. C. Edmonston
Chief, Nautical Chart Branch
Division of Charts

E. H. Kissack
~~Chief~~, Division of Photogrammetry
Assistant Chief, I

W. M. Scarfe
Chief, Div. of Coastal Surveys

GEOGRAPHIC NAMES

Survey No.

T-8459

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	
Unga Island •										1
Pinnacle Pt. •										2
Bay Pt. •										3
Unga Strait •										4
Unga Spit •										5
Shumagin Iskands* •										6
Alaska Peninsula* •										7
										8
										9
										10
										11
				* = Decision			B.G.N.			12
				• = Approved name						13
										14
							12-9-49			15
							A.J.W.			16
										17
										18
										19
										20
										21
										22
										23
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										25
										26
										27

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GEOGRAPHIC NAMES

Survey No.

T-8460

Name on Survey	On Chart No. A	On previous survey No. B	On U. S. quadrangle Maps C	From local information D	On local Maps E	P. O. Guide or Map F	Rand McNally Atlas G	U. S. Light List H	K	
Cape Aliaksin •										1
Beaver Bay •										2
Point Aliaksin •										3
Unga Strait •										4
Lefthand Bay •										5
Alaska Peninsula*•										6
										7
										8
										9
										10
				* = Decision B.G.N.						11
				• = Approved name						12
										13
						12-7-49				14
							A.J.W.			15
										16
										17
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										19
										20
										21
										22
										23
										24
										25
										26
										27

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GEOGRAPHIC NAMES

Survey No.

T-8461

Name on Survey	On Chart No. A	On previous survey No. B	On U. S. quadrangle Maps C	From local information D	On local Maps E	P. O. Guide or Map F	Rand McNally Atlas G	U. S. Light List H	K	
Swedania Pt. •										1
Cape Aliaksin •										2
Balboa Bay* •										3
Albatross Anchorage •										4
Lefthand Bay •										5
Monolith Pt. •										6
Reef Pt. •										7
Alaska Peninsula*•										8
Coleman Cr. •										9
Johnson Cr. •										10
										11
				* =	Decision	B.G.N.				12
				• =	Name approved					13
						12-7-49				14
						A.J.W.				15
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										25
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										27

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GEOGRAPHIC NAMES

Survey No.

T-8462

Name on Survey	On Chart No. A	On previous survey No. B	On U. S. quadrangle Maps C	From local information D	On local Maps E	P. O. Guide or Map F	Rand McNally Atlas G	U. S. Light List H	K	
Guillemot Island* •										1
Lumber Bay •										2
San Diego Bay •										3
Renshaw Pt. •										4
Dorenoi Bay •										5
West Cove •										6
Chicagof Bay •										7
Alaska Peninsula* •										8
										9
										10
				* =	Decision		B.G.N.			11
				• =	Approved		name			12
						12-7-49				13
						A.J.W.				14
										15
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										25
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										27

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GEOGRAPHIC NAMES

Survey No.

T-8463

Name on Survey	On Chart No. A	On previous survey No. B	On U. S. quadrangle Maps C	From local information D	On local Maps E	P. O. Guide or Map F	Rand McNally Atlas G	U. S. Light List H	K	
Korovin Strait •										1
Gorman Strait •										2
Korovin Bay •										3
Korovin Island •										4
Henderson I. •										5
Grosvold Bay •										6
Scotland Pt. •										7
Unga Strait •										8
Cape Devine •										9
Karpa Island* •										10
Alaska Peninsula* •										11
Shumagin Islands* •										12
										13
										14
				* =	Decision B.G.N.					15
				• =	Approved name					16
						12-9-49				17
							A.J.W.			18
										19
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										25
										26
										27
										M 234

File as descriptive report
T8459 & T8463

Memorandum to Accompany Air Photographic Surveys T-8459 to T-8463, Unga Straits, Alaska, Project CS 279.

References: Instructions for Field Inspection of Air Photographs, Project CS 279, dated March 12, 1943, and the index furnished with those instructions.

1. Printed copies of surveys T-8459 to T-8463, scale 1:20,000, will be furnished you for the 1943 seasons work. One print of each survey will be furnished on tracing paper and one on chart paper. The shoreline can be transferred to the boat sheets by means of the tracing paper prints. The tracing paper prints will be made with the ink on the reversed side so that the shoreline can be transferred readily by registering in position on the projections, and burnishing.

2. The air photographic surveys will show the shoreline, hydrographic control points located by the photo plots, ridge lines, and the more prominent peaks with approximate elevations.

3. Nine lens field inspection photographs covering the area detailed on these sheets will be included with the photographs forwarded for the rest of project 279. The position, and date and time of the photographs are shown on the index for project 279.

4. Objects along shore have been selected from stereoscopic examination in this office and located on the survey sheets to control the inshore hydrography. These control points are small offshore islands and rocks, high projections of rock on ledges, rock slides, stream outlets, points at the tops of low bluffs, etc. In other words, any points distinguisable by stereoscopic examination which appear to be readily identifiable in the field. Their positions are indicated on the survey sheets by a fine dot, usually within a small circle. However, in some instances the circles have been omitted to avoid obscuring shoreline details. red ink

5. The points selected for hydrographic control are marked by fine dots and are described on the field set of photographs. These photographs should always be used when attempting to identify the control points on the ground and to use them for hydrography. The photographs show more details than can be delineated on the survey sheets and their use will make it comparatively easy to identify the selected points on the ground.

6. In general, a greater number of hydrographic control points have been selected and located than will be needed. This has been done purposely in order to allow the field parties a greater choice of signals, and to allow for those which may not be identified with certainty.

7. Considerable care has been taken in tracing the shoreline details. Small islands, small points of rock and other characteristic shoreline features have been delineated in as much detail as practicable so that they may be readily recognized and used for ranges, or as points by which to fix the ends of inshore sounding lines. Hydrographic signals also may be spotted in position on those small shoreline features where the selected points discussed in paragraphs 4 to 6 are not adequately placed.

ROCKS AWASH AND SHORELINE DETAIL

8. The compilation and delineation of these surveys has been done without prior field inspection. In the case of low off-lying rocks and low ledges along the shore, it is not possible in the office to distinguish between features slightly below high water and those slightly above high water. For this reason the office interpretation of rocks awash and small islands and ledges may be in error in a number of cases. Usually the error in interpretation will be minor and of little importance. However, the inshore hydrographic parties should examine the shoreline where the hydrography runs close to the beach, or close to off-lying rocks and resketch all details in appreciable error. Where a considerable amount of revision is necessary it will probably be preferable to make clarifying notes and symbols directly onto the field photographs rather than to do a considerable amount of resketching on the boatsheets.

HORIZONTAL CONTROL

9. These surveys have been plotted without prior field inspection. The triangulation control available in the area is indicated on the index by red triangles. Those shown underlined in blue were identified and used to control the plots. In some cases the identification could be made precisely and in others it could be made only approximately.

10. The photographic plots for these surveys consisted of a scheme of graphic triangulation (radial line plots) based on the existing triangulation (ground control) and extended over the entire area detailed on the sheets. The relative accuracy of this work.

i.e., the distances and directions between points of detail within any limited area, as on one sheet, should be good. However, where the plots were extended outward from the ground control as in the area northwest of Renshaw Point errors in distance and azimuth may have accumulated. For this reason, the sheets may be used as compiled for the inshore hydrography but may require replotting in part to obtain topography of standard accuracy for the smooth hydrographic sheets.

11. In order to test the accuracy of these preliminary plots and to provide accurately identified ground control for any replotting which may be necessary, triangulation stations shall be recovered or established within the area of sheets T-8459 to T-8463 in accordance with paragraphs 5, 6, 7, 9, 11, 12, and 13 of the Field Inspection Instructions for project 279, dated March 12, 1943.

12. The general spacing of control called for in the instructions shall be so laid out within the area covered by these sheets as to established identified points in the following localities:

    a. At least one identified control point on the west shore of Unga Island in the general vicinity of Bay Point.

    b. One identified station on Guillemot Island.

    c. One identified station at Renshaw Point.

    d. Sufficient identified control in the general vicinity of Blunt Point to furnish a three point fix, in accordance with paragraph 8 of the Instructions of March 12, 1943.

13. Elevations on well-defined peaks shall be determined within the area of sheets T-8459 to T-8463 in accordance with paragraph 24 of the Field Inspection Instructions for project 279.

14. Guillemot Island on T-8462 was compiled from photographs taken over the mainland. The photographic definition was poor and the island will be recompiled from new photographs taken in the summer of 1943. The control point called for in paragraph 12b above shall be identified as outlined in paragraphs 11 and 14 of the Field Inspection Instruction.