

5768

Diag'd. on Diag. Ch. No. 8502, 8802

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey ~~Shoreline~~ Topographic
Project
Field No. 319 Office No. T-5768

LOCALITY

State Alaska

General locality Chowiet

Locality Semidi I. Group

194 45

CHIEF OF PARTY

H.E. Finnegan, Chief of Party

~~K. T. Adams~~
Div. of Photogrammetry, Wash., D.C.

LIBRARY & ARCHIVES

DATE

DATA RECORD

T-5768

Quadrangle (II):

Project No. (II):

Field Office:

Chief of Party: H. E. Finnegan

L. Reed

Compilation Office:
Washington, D. C.

Chief of Party: Stereoscopic Mapping Section

Instructions dated (II III): 2/24/47

Copy filed in ~~Descriptive~~
~~Report No. XXX~~ (VIX) Office
Division of Photogrammetry/Files

Completed survey received in office:

Reported to Nautical Chart Section: April, 1947

Reviewed: 3/11/49 Applied to chart No. 8851 Date: 3/8/48

Redrafting Completed: 8-25-50

Registered: 11/23/49

Published:

Compilation Scale: 1:20,000

Published Scale:

Scale Factor (III): 1.000

Geographic Datum (III): N.A. 1927

Datum Plane (III): MHWL: shoreline

MLLW: foreshore
features

Reference Station (III): CHOWIET, 1925, r. 1945

G-6618, p.87

Lat.:

Long.:

Adjusted
~~Unadjusted~~

State Plane Coordinates (VI):

X =

Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
06188	8-6-41	(?)	1:20,000	
06174	"	"	"	
06187	"	"	"	
06175	"	"	"	
06176	"	"	"	
06177	"	"	"	
06178	"	"	"	
06179	"	"	"	
06180	"	"	"	
06181	"	"	"	
06185	"	"	"	
06186	"	"	"	

Tide from (III): *Chignik, Anchorage Bay; 56° 18' 41.58" 23'*

Mean Range: *6' (approx.)* Spring Range:

Camera: (Kind or source) 9 lens

Field Inspection by: Ship E LESTER JONES date: 1945
H.E. Finnegan, Chief of Party

Field Edit by: *None* date:

Date of Mean High-Water Line Location (III):

Projection and Grids ruled by (III) S.R. date: 7/25/46

" " " checked by: S.R. date: 7/25/46

Control plotted by: G. R. Bowersox date: 10/1/46

Control checked by: L. M. Gazik date: 10/1/46

Radial Plot by: G. R. Bowersox date: 10/15/46
L. M. Gazik

Detailed by: *Shoreline*: B. T. Hynson date: 4/11/47
Contours: Stereoscopic Mapping Section

Reviewed in compilation office by: *L.C. Lande* date: *April, 1947*

Map Manuscript
Elevations on ~~Field Edit Sheet~~
checked by: *Stereoscopic Mapping Section* date: 1947

STATISTICS (III)

Land Area (Sq. Statute Miles):

Shoreline (More than 200 meters to opposite shore):

Shoreline (Less than 200 meters to opposite shore):

Number of Recoverable Topographic Stations established: 5

Number of Temporary Hydrographic Stations located by radial plot: 179

Leveling (to control contours) - miles:

Roman numerals indicate whether the item is to be entered by, (II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

When entering names of personnel on this record give the surname and initials (not initials only).

Remarks:

Summary to Accompany T-5768

Topographic map T-5768 is one of 24 similar maps in project CS-319, Alaska Peninsula. It covers Chowiet, Kateekuk, Anowik, Kiliktagik, Suklik, Aliksemit and South Islands of the Semidi Islands group. The map area lies between latitude $55^{\circ}58'$ and $56^{\circ}07'$ and between longitude $156^{\circ}36'$ and $156^{\circ}51'$.

Field inspection covered shoreline and offshore data.

Unmarked supplementary horizontal (and vertical) control was established for use in drawing contours by the Reading stereocartograph at the Washington Office. Shoreline and offshore features were delineated without the aid of the stereocartograph in the Washington Office.

Data pertaining to T-5768 is filed as follows:

A. Division of Photogrammetry General Files

1. Acetate manuscript
2. Field inspection photographs
3. Duplicate of Descriptive Report

B. Bureau Archives

1. Registered original Descriptive Report
2. A cloth-backed lithographic print of the reviewed map manuscript at compilation scale

C. Library and Archives

1. Season's Report, 1945, H. E. Finnegan

T-5768

CHOWIET ISLAND (SEMIDI I. GROUP)

Project 319

Compilation Report.

T-5768 and T-5767 (AGHIYUK I.) were covered by one continuous radial plot.

26. Control.

The following ten triangulation stations (N.A. 1927 Datum) were used for control and held to the plotted positions (in millimeters) as indicated:

Station	Not held by millimeters
*ALIKEMIT, 1945	0.4
ANOWIK, 1945	1.0
CHOWIET, 1925, r. 1945 (office recovery)	0.5
*GAME, 1945	0.7
*GUN, 1945	Held
*KATE, 1945 (office recovery)	Held
*KIL, 1945 (office recovery)	Held
SUKLIK, 1945	0.7
*TEE, 1945	Held
*VIC, 1945 (office recovery)	0.3

(*) indicates a "no check" position.

27. Radial Plot.

Twelve vinylite templates ruled with black acid ink were made from as many nine-lens photographs numbered 06174 to 06181 inclusive and 06185 to 06188 inclusive. Each template was adjusted to every chamber of the nine-lens photographs.

The stations were well distributed and the density of horizontal control was adequate.

The position of South Island has been determined with 3 pass points (several cuts each) but due to the narrow angle intersections its position should not be accepted unreservedly.

Photographs 06184 and 06185 with control and secondaries common to both T-5767 and T-5768 were used to tie the two areas together.

Photograph 06170 was at a larger scale than the remainder of the photographs in the plot, enough so that stereoscopic use with the others was not feasible, and sufficient cuts were obtainable from the other photographs so that its use was unnecessary in the radial plot.

28. Detailing.

Complete field inspection on offshore features and of the MHWL was lacking, but it is felt that these features are shown within the limits of accuracy for this scale. However, in those areas where the shoreline is obstructed by the displacement of the high bluffs and where the MHWL is in doubtful position, the indefinite shoreline symbol is used. It is suggested that the hydrographic party investigate and correct these inadequacies. The photographs were good enough to clearly delineate detail and generalization has been held to a minimum.

31. Low-Water Line..

No attempt has been made to show the LW line.

32. Details Offshore from the High-Water Line.

The extent of ledge areas offshore and the MHWL on detached rocks is not considered complete due to the lack of field inspection. These features should receive special attention by the hydrographic party.

35. Hydrographic Control.

The following described and marked H. & T. stations were located by radial plot:

HOME
LOST
ROCK
BELT
DRAY

One hundred seventy-nine temporary hydrographic control signal sites were cut in with 3 or more radial line intersections during the process of detailing, and all were identified by field inspection. No office picked stations are shown. The numbering system is arbitrary,

being the last two digits of the T-sheet number, and in numerical order thereon.

45. Comparison with Nautical Charts.

There has been no comparison with Chart No. 8851 (1:400,000) due to the great difference in scale. This sheet supersedes preliminary reconnaissance survey T-5747 ^{for charting purposes} scale 1:20,000, which was done previously without the benefit of field inspection information.

Respectfully submitted:

L. M. Gazik

L. M. Gazik
Photogrammetric Aid

Approved by:

L. C. Lande

L. C. Lande
Chief, Graphic Compilation Section

Descriptive Report
T-5767, T-5768, and T-8827

Contouring.

Contouring was performed with the stereocartograph in much the same manner as reported for sheet T-8616.

The contour interval is 200 feet with the odd hundred foot contours shown by long dashed lines where the terrain was relatively flat. The 100 foot

T-5768 P.1
Hydrographic Signal
sites.

6801	Bare rock pinnacle 150'
6802	Highest point 70'
6803	Highest point 30'
6804	85'
6805	160'
6806	65'
6807	Large Pinnacle elev. 89' (by sextant)
6808	Grass Topped 100'
6809	Outside sharp pinnacle 100'
6810	Highest point 75'
6811	End of point
6812	Large white rock
6813	Double pinnacle tips East of third pinnacle tip
6814	Prominent flat topped pinnacle elev 60' (by sextant)
6815	Pinnacle about 90'
6816	High point of outer end of 17' rock point
6817	Small rock at base of high grassed topped pinnacle.
6818	Vertical face of point
6819	Rock 8'
6820	West base of grass topped pinnacle elev about 50'
6821	West base of high sharp pointed pinnacle
6822	Pinnacle elev 50' wedge shaped southerly of two
6823	Pinnacle about 50' elev
6824	Upper right corner 300'
6825	Highest point white topped semi-detached rock
6826	Easterly rock nub
6827	End of point
6828	Prominent sharp rock nub
6829	Grass topped pinnacle
6830	Large round boulder above others at edge of grass
6831	End of point south of sharp crevice
6832	High grass topped pinnacle
6833	Flat topped jutting ledge elev about 25'
6834	Highest point of detached large pinnacle
6835	High sharp pinnacle
6836	Rock outcrop
6837	Highest point rock base of cliff about 10'
6838	Easterly and highest of outcrop
6839	Pinnacle tip on ledge point
6840	Pinnacle
6841	East end of rock 15'
6842	Leaning pinnacle
6843	Detached rock 8'

68102 Nub on prominent rock outcrop top of ridge
 68103 100' grass topped pinnacle
 68104 Prominent grass topped nub of rock outcrop
 68105 Slender 75' sharp pinnacle
 68106 Highest point on rock elev about 30'
 68107 Top of 25' rock
 68108 Pinnacle about 50'
 68109 Southerly tip of four
 68110 Sharp tip of 30' rock
 68111 White rock on east end of top of large double pinnacle
 68112 Westerly one of two sharp rock tips
 68113 Highest point square shaped rock elev about 25'
 68114 Sharp pinnacle elev about 60'
 68115 Very slender pinnacle in passage
 68116 Highest point large pinnacle
 68117 High sharp pinnacle
 68118 Highest point large detached rock
 68119 Highest point
 68120 Highest point detached rock elev 10'
 68121 Very high grass topped pinnacle
 68122 Center high point of large detached rock
 68123 Pinnacle 30' elev
 68124 Highest point of square detached rock elev 20'
 68125 Highest sharp point of wedge shaped rock
 68126 Top of 35' grass topped rock
 68127 Highest point of 7' rock
 68128 White boulder on highest point of southern grass topped pinnacle
 68129 Grass topped large rock about 75' elev with sharp tip
 68130 Highest point of pinnacle
 68131 Sharp pinnacle about 75'
 68132 30' high point detached rock
 68133 Northerly and higher of double wedged shaped pinnacle
 68134 Highest pinnacle rock tip
 68135 Slender grass topped pinnacle
 68136 Highest point of detached rock elev about 75'

68137 60' pinnacle
 68138 100' pinnacle
 68139 Slender rock column about 75'
 68140 Square rock column on end of point
 68141 Small rock nub on top of high pinnacle
 68142 Highest point of detached rock about 18'
 68143 Highest point of sloping rock elev about 9'
 68144 Vertical outer face of large detached rock
 68145 Highest point of outer detached rock
 68146 Lone detached rock 6'
 68147 Highest point of 10' detached rock
 68148 Base of south end of westerly and smallest grass topped pinnacle slab
 68149 Northerly detached rock 4'
 68150 Square cut pinnacle elev about 35' higher than other two
 68151 Highest point of sloping rock elev about 72'
 68152 Detached 10' rock
 68153 Highest point of massive detached rock
 68154 Small but prominent rock tip at top of cliff
 68155 Highest point of 10' rock
 68156 Highest point rock elev about 15'
 68157 Whitewash square bare rock step
 68158 Vertical face of end of large rock
 68159 Vertical face of high pinnacle
 68160 Lone white rock above crevice
 68161 Highest part of jutting rock
 68162 Highest point of 70' rock on reef awash at H.W.
 68163 Highest part at water's edge of end of jutting point
 68164 Center top of grass topped pinnacle (banner required)
 68165 Detached 4' rock
 68166 Highest point of detached rock 8'
 68167 Pinnacle top of point
 68168 10' rock outside H.W. line
 68169 High point of 10' detached rock
 68170 Highest point of detached rock elev 20'
 68171 Vertical shaft of rock chisel edge on top

68172 End of vertical point
 68173 Highest point rock ledge near north end elev 40'
 68174 Highest of large detached rock haystack shape elev 75'
 68175 End of low jutting point
 68176 Highest point of 13' detached rock
 68177 Vertical square cut white ledge rock on point
 68178 Small slender pinnacle
 68179 Highest point of detached rock elev about 40'

C

I

F

GEOGRAPHIC NAMES

Survey No. T-5768

GEOGRAPHIC NAMES		Survey No. T-5768									
Name on Survey	<div>On Chart No. On previous survey No. On U. S. quadrangle Maps From local information On local Maps P. O. Guide or Map Rand McNally Atlas U. S. Light List</div>										
	A	B	C	D	E	F	G	H	K		
Alaska ✓											1
Pacific Ocean ✓											2
Semidi Islands ✓									USGB		3
South Island ✓									"		4
Aliksemit Island ✓											5
Chowiet Island ✓									USGB		6
Suklik Island ✓											7
Kateekuk Island ✓											8
Kiliktagik Island ✓											9
Anowik Island ✓											10
											11
											12
Names underlined in red are approved. 3/1/49 L. Heck											13
											14
											15
											16
											17
											18
											19
											20
											21
											22
											23
											24
											25
											26
											27

M 234

Division of Photogrammetry
Review Report of
Topographic Map Manuscript T-5768

Subject numbers not used in this report have been adequately covered in other parts of the Descriptive Report.

28 Detailing

The delineation of shoreline was carefully examined and compared with office and field inspection photographs. The lack of complete field inspection on offshore features and of the M.H.W.L. was due to unfavorable weather conditions. (see Season's Report of Field Inspection of air photographs, South Coast of Alaska Peninsula, E. LESTER JONES, by Comdr. H. E. Finnegan) Sufficient photo-coverage of most of the area and the character of the shoreline, however, made the high-water line clearly apparent and some changes and additions were made to complete the map manuscript. The most western portion of CHOWIET ISLAND is, due to insufficient photo-coverage, not as clearly detailed and delineation of offshore features and of the M.H.W.L. of this part of the island as well as a few other sections of indefinite shoreline are subject to change by the hydrographer. The typical sharp bluffs, almost uninterrupted, were outlined on the map manuscript during the review. The adjoining topographic Map Manuscript T-5767 shows this bluff-condition clearly and the detailing of the two maps covering the SEMIDI ISLANDS is now uniform in appearance.

37 Geographic Names

All names appearing on the map manuscript have been approved by the Geographic Names Section of the Division of Charts and a list of these names is attached to the Descriptive Report.

47. *Comparison with Previous Surveys: See item 45^{p.3} of Compilation Report.*

47 Adequacy of Compilation

Map manuscript T-5768 is complete in all detailing as a base map for nautical charts and hydrographic surveys. All in-shore details are adequate for incorporation into standard quadrangles of 1:24,000 (or smaller scale) with a contour interval of not less than 200 feet, except for the first 100 ft. contour.

48 Accuracy Tests

Horizontal - No horizontal accuracy test was made. The combination of adequate nine-lens photo-coverage, nine-lens radial plot methods and adequate horizontal control, insures a horizontal accuracy equal to or better than National Map Accuracy Standards.

Vertical - Vertical accuracy tests have not been made on this map nor have similar areas mapped by similar methods been previously tested.

51 Application to Nautical Charts

This map manuscript has not been applied to Nautical Charts
as of the date of this review report.

Reviewed by:

J. J. Streifler
J. J. Streifler, 11 March 1949

Approved by:

S. V. Griffith
Chief, Review Section *K.H.M.*

Edmonson
Chief, Nautical Chart Branch
Division of Charts *G.F.J.*

O. S. Reading
Chief, Division of Photogrammetry

Carl O. Heston
Chief, Division of Coastal Surveys
H.T.

NAUTICAL CHARTS BRANCH

SURVEY NO. T5768

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
8 March 1951	8851	T. J. Hobbs	<u>Before</u> After Verification and Review