

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 contour was indicated wherever possible. The accuracy of all contours is believed to be within 50 feet or better.

Steep cliffs occur in many places along the shore. The cliff line is indicated on the sheets. Approximate contours are indicated with short-dashed lines along the faces of the cliffs, but it is recommended that these approximate contours be ignored entirely and that the cliff faces be indicated with hachures only. The contours along the faces of the cliffs are approximate because the images usually do not occur on more than one photograph due to steepness.

The compilation of the contours was shown in pencil when the sheet was returned to the Graphic Compilation Section for inking shoreline.

G. C. Tewinkel
28 February 1947

T-5768 P.1
Hydrographic Signal
sites.

6701 Bare rock pinnacle 150'
6702 Highest point 70'
6703 Highest point 30'
6704 85'
6705 160'
6706 65'
6707 Large Pinnacle elev. 89' (by sextant)
6708 Grass topped 100'
6709 Outside sharp pinnacle 100'
6710 Highest point 75'
6711 End of point
6712 Large white rock
6713 Double pinnacle tips East of third pinnacle tip
6714 Prominent flat topped pinnacle elev 60' (by sextant)
6715 Pinnacle about 90'
6716 High point of outer end of 17' rock point
6717 Small rock at base of high grassed topped pinnacle
6718 Vertical face of point
6719 Rock 8'
6720 West base of grass topped pinnacle elev about 50'
6721 West base of high sharp pointed pinnacle
6722 Pinnacle elev 50' wedge shaped southerly of two
6723 Pinnacle about 50' elev
6724 Upper right corner 500'
6725 Highest point white topped semi-detached rock
6726 Easterly rock nub
6727 End of point
6728 Prominent sharp rock nub
6729 Grass topped pinnacle
6730 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, lifting 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'
6844 Lone spruce tree
6845 Prominent cubicle shaped rock nub
6846 } Prominent rock outcrops
6847 }
6848 Base of vertical face of grass topped point
6849 Large loose boulder at point of grass
6850 Large rock 6' south side of and end of point
6851 Grass covered top very slender pinnacle about 60'
6852 High end of ledge inshore from detached rock
6853 Top of horizontal ledge elev 20'
6854 End of bare ledge just N of crevice
6855 Highest bare rock of group
6856 Face of point
6857 Overhanging ledge
6858 Sharp tipped pinnacle with small dump of grass on top 25'
6859 Outer face vertical column elev about 50'
6860 High point of detached rock, elev about 14'
6861 Grass topped summit elev about 30'
6862 Black crevice in grass topped rock
6863 Highest bare edge of sloping ledge
6864 High point detached rock 7'
6865 Round nub of easterly and highest rock outcrop

6866 Grass topped conical rock elev 30'
6867 High white bare end of ledge
6868 Small rock outcrop in low part of saddle light colored
6869 End of rock ledge
6870 Highest point of largest outcrop (Mushroom shaped bare outcrop)
6871 Bare rock nodule at top of bluff
6872 Bare end of rock point at grass line
6873 High point on largest rock outcrop on highest point of ridge
6874 Conical nub highest point on rock outcrop west end of top of ridge prominent
6875 Prominent rock outcrop on slope (Large bare outcrop)
6876 Double bare white boulder
6877 Prominent grass covered knob
6878 Bare white ledge end
6879 High conical inner end of detached ledge
6880 End of bare black ledge above H.W.
6881 Prominent grass covered nub in rock outcrop highest point on ridge
6882 Lower tip of bare rubble
6883 Highest point rock outcrop
6884 High point of detached ledge
6885 Lower most easterly bare rock of group
6886 Detached high rock column
6887 Fallen down cabin
6888 End of vertical ledge
6889 Pinnacle
6890 Top of northerly of two large pinnacles
6891 Light topped pinnacle elev about 30'
6892 Highest point on partially connected pinnacle
6893 High top of detached rock about 20'
6894 High sharp pinnacle
6895 High pinnacle grass topped
6896 Detached rock elev about 25'
6897 Prominent westerly nub of two top of ridge
6898 Square topped rock pinnacle elev about 15'
6899 Grass topped pinnacle elev about 40'
6900 Cut of dike

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.</div> <div>On previous survey No.</div> <div>On U. S. quadrangle Maps</div> <div>From local information</div> <div>On local Maps</div> <div>P. O. Guide or Map</div> <div>Rand McNally Atlas</div> <div>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	
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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.

44. 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.M.*

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

O. S. Reading
Chief, Division of Photogrammetry

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

2

Record of Application to Charts



1. 2. 3. 4. 5. 6. 7. 8. 9. 10.