

8822 8823

Diag. Cht. No. 8502-3

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Shoreline

Field No. CS-319 Office No. T-8822-23

LOCALITY

State Alaska

General locality Alaska Peninsula

Locality Kuiukta Bay + Warner Bay

1942-50

CHIEF OF PARTY

G. A. Nelson, Chief of Field Party

L. C. Lande, Div. Of Photogrammetry
Washington, D.C.

LIBRARY & ARCHIVES

DATE Sept. 4, 1957

DATA RECORD

T- 8822 and 8823

Project No. (II): **CS-319** Quadrangle Name (IV):
Part B (T-8822 and 8823)

Field Office (II): **Ship Lester Hones**

Chief of Party: **George A. Nelson**

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

Officer-in-Charge: **L.B. Lande**

Instructions dated (II) (III): **4 April 1950**

Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): **Preliminary Shoreline**

Manuscript Scale (III): **1:20,000**

Stereoscopic Plotting Instrument Scale (II): **None**

Scale Factor (III):

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): **22 May 1957**

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): **N.A. 1927 Adjusted**

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=

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.

DATA RECORD

Field Inspection by (II): **R.A. Gilmore**
J.O. Boyer
E.W. Richards

Date: **5/17 thru 9/12 1950**

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

Date:

Completion Surveys by (II):

Date:

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

Field Inspection Photos

Projection and Grids ruled by (IV):

Date:

Projection and Grids checked by (IV):

Date:

Control plotted by (III):

C.C. Cook

Date:

May 1950

Control checked by (III):

R.J. French

Date:

May 1950

Radial Plot or Stereoscopic

Control extension by (III):

R.J. French

Date:

May 1950

Planimetry

Stereoscopic Instrument compilation (III):

Contours **None**

Date:

Date:

Manuscript delineated by (III):

R. J. French

S. J. Hathorn

Date:

June 1950

Photogrammetric Office Review by (III):

L.C. Lande

Date:

June 1950

Elevations on Manuscript

checked by (II) (III):

Date:

Camera (kind or source) (III):

1 2

| Number | Date | Time | Scale | Stage of Tide |
|------------------|----------|-------|----------|----------------|
| 11049 thru 11054 | 9/13/42 | 11:15 | 1:20,000 | 3.1 above MLLW |
| 21236 thru 21238 | 10/30/47 | 11:45 | " | 2.1 above MHW |
| 21253 thru 21258 | " | 12:00 | " | 2.1 above MHW |
| 21264 | " | " | " | " |

Tide (III)

Reference Station: **Kodiak**
Subordinate Station: **Chignak, Anchorage Bay**
Subordinate Station:

| Ratio of Ranges | Mean Range | Spring Range |
|-----------------|------------|--------------|
| 1.0 | 6.6 | 8.5 |
| 1.0 | 6.6 | 8.7 |

+ :40 min.

Washington Office Review by (IV): **B.J. Colner**

Date: **3/27/53**

Final Drafting by (IV): **M. Day**

Date: **1/17/57**

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

Date: **1/24/57**

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):

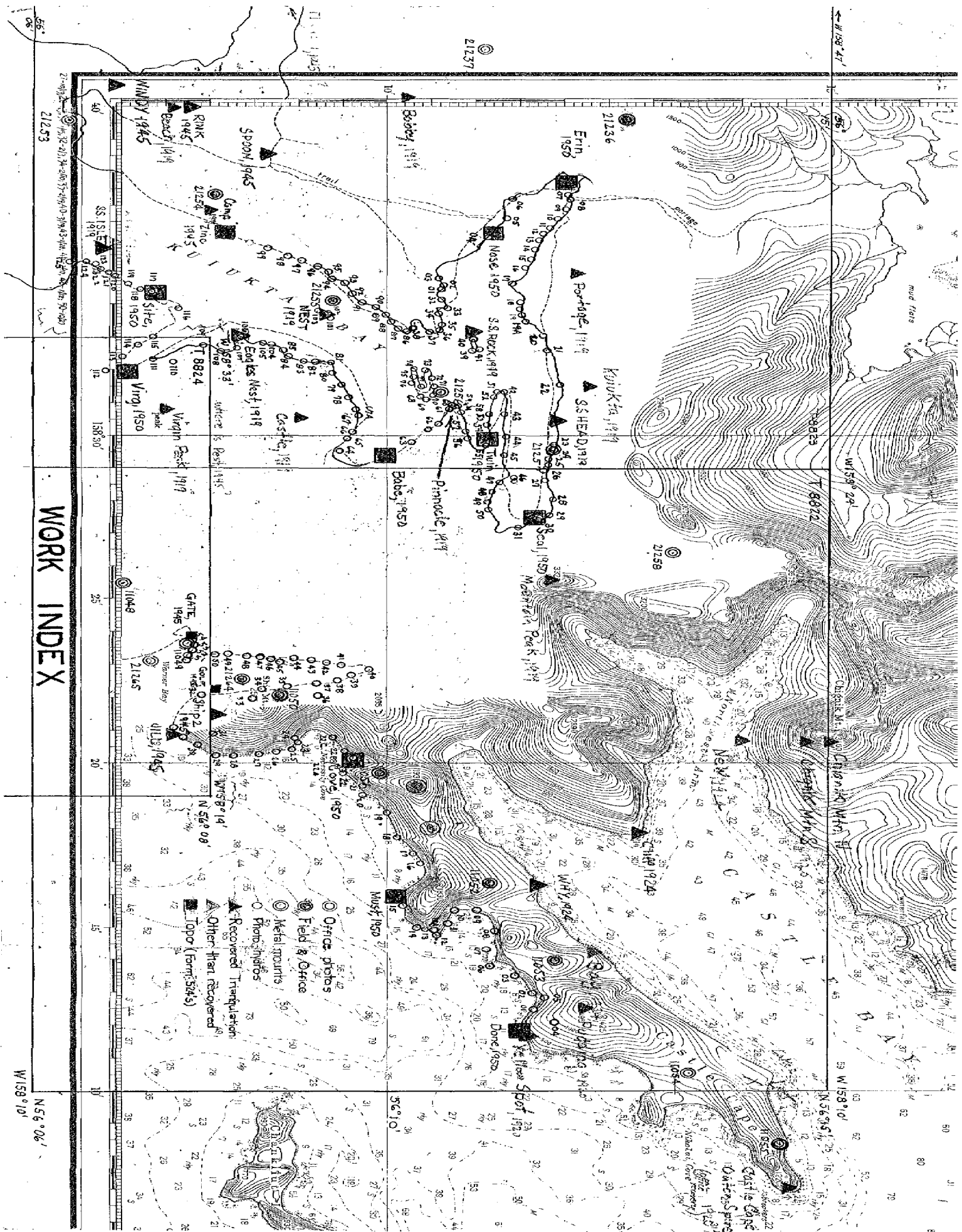
Recovered:

Identified:

Number of Recoverable Photo Stations established (III):

Number of Temporary Photo Hydro Stations established (III):

Remarks:



WORK INDEX

- Office photos
- Field & Office
- Photo indices
- Recovered Interdiction
- Other than recovered

N 56° 06'

W 158° 10'

Summary to Accompany T-8822 and T-8823

T-8822 and T-8823 are two of 24 similar maps in Project CS-319 located on the south side of the Alaskan Peninsula. T-8822 contains Castle Bay in its northeastern portion and Warner Bay to the south. T-8823 contains Kuiuukta, Windy, and Portage Bays.

~~Clear-backed lithographic~~ prints of these manuscripts at compilation scale will be registered with the descriptive report in the Bureau Archives. This map will not be published by this Bureau.

Photogrammetric Plot Report
Shoreline Survey
T-8822 - 23

21. Area covered:

The radial plot includes manuscripts T-8822 and T-8823 in part and junctions with the plot to the south for T-8824-5 satisfactorily. The area controlled embraces both sides of Castle Cape, Necessity Cove, Warner Bay, Ross Cove, Portage Bay, Windy Bay, and Kuiuukta Bay. The plot was confined to secondaries selected along the shoreline of the above features with the primary purpose of establishing hydrographic control.

22. Method:

The radial plot utilized the photographs previously printed in the junction area for T-8824-25, which were metal mounted photographs taken at near half-tide, in 1945, and positype paper prints in the Kuiuukta, Portage Bay areas which were taken during high tide in 1947.

Field inspection of the hydrographic stations was adequate, and of such density they could be used as secondaries to control the plot. The points selected were pricked at 3 to 4 inch spacing along the shoreline for the plot. The plot was laid and the remainder of the photo-hydro stations were intersected by graphic methods.

The manuscripts are vinylite and acetate templets were made with the aid of calibration templet 21682 for the 1947 photography. No corrections could be made for chamber errors or paper distortion on the 1945 photography since no calibration templet was ever constructed for it. However, a reasonably accurate plot was resolved, and all of the field inspected recovered triangulation was held satisfactorily.

23. Adequacy of control:

The density of triangulation is considered adequate for the control of the surveys and of proper recovery to control all of the photographs used. All of the horizontal control in the area held and good intersections were obtained on the points cut in. All topographic stations were located with the templets, and their positions were scaled and entered on Forms 524. Forms M-2388-12, Control Stations is attached to this report.

25. Photography:

All nine-lens photography was used.
11049-50-51, metal mounted, 1945, nearly half-tide.
11052-53-54-55, positype paper, 1945, nearly half-tide.
21236-37, 21253, 54, 55, 56, 57, 58, positype paper, 1947,
high tide.

Page 2

The 1945 photographs are not good, but the shoreline is sufficiently clear to show the approximate MHWL. The interior areas are clouded. The 1947 photographs are clear, and the coverage is adequate. The outer tip of Castle Cape is not covered stereoscopically on 11054 because of shadow and overhang, and only 11055 could be used on the point.

Roscoe J. French
June 13, 1951

Approved:

L. C. Lande
L. C. Lande
June 15, 1951

The field inspection for these two sheets is included in the field inspection report titled "Field Inspection Report, Part B, Alaska Peninsula, Chignik Bay to Kuiu Bay, Project CS-319", and was completed by the Ship LESTER JONES, George A. Nelson, Commanding. The photogrammetric plot report for these two sheets was written by Roscoe J. French.

Library # 106

The purpose of this advance compilation was to furnish shoreline for hydrographic boat sheets along with radial plot positions of the recoverable topographic and photo-hydro stations.

31. Delineation.--Compilation was by graphic methods. The densely-located photo-hydro stations were located as detail points and ample control was provided for delineation of the approximate MHWL as determined by field inspection notes and stereoscopic examination.

32. Control.--See Photogrammetric Plot Report, T-8822 and T-8823.

33-34.- Inapplicable.

35. Shoreline and Alongshore Detail.--The MHWL compilation is considered of sufficient accuracy for nautical chart compilation.

No attempt was made to delineate the MLLW line because of the high-water photography on T-8823, and the absence of adequate field inspection notes for it on T-8822.

A shallow line, of questionable value, has been shown along portions of the shoreline from field inspection notes and from analogous office interpretation.

An accurate and complete compilation of detail between the plane of MHW and MLLW will require verification of compiled data between these planes along with a more comprehensive field inspection.

36. Offshore Details.--Field inspected rocks have been compiled with descriptive notes alongside. Additional rocks and foreshore detail, without descriptive notes, were added as a result of office interpretation. (See par. 35)

37. Inapplicable.

38. Control for Future Surveys.--Positions were obtained, and entered on the Forms 524 for all recoverable topographic stations except OPEN*, 1945 (T-8823). The field identification photograph for this station was in the Seattle Office.

** And PEST, 1950 (T-8822), for which field inspection was not available.*

A list of recoverable topographic and photo-hydro stations along with descriptions of the later, have been prepared and included in paragraph 49.

39. Junctions.--A satisfactory junction of the MHWL was made between T-8823 and T-8825 to the south.

A junction of the MHWL between T-8822 and T-8824 to the south disagrees by approximately one millimeter. This difference is attributed to the stage of tide at photography, and the MHWL on T-8822 is considered more reliable since photography was at approximate high water. No change was made in the MHWL on T-8824.

40. Horizontal Accuracy.--The MHWL and rock detail are believed to meet the normal accuracy requirements, and this compilation will be used for shoreline detail in future nautical chart construction.

41-47. Inapplicable

48. Geographic Name List.--Geographic names lettered on the manuscript were furnished by the Geographic Names Section and are as follows:

T-8822

Alaska Peninsula
Castle Bay
Castle Cape
Necessity Cove
Warner Bay
Nikolai Cove
Ross Cove

T-8823

Alaska Peninsula
Kuiukta Bay
Windy Bay
Portage Bay

Submitted:

Stanley J. Hathorn
Stanley J. Hathorn
June 13, 1951

APPROVED:

L. C. Lande
L. C. Lande
June 15, 1951

49. Notes for the Hydrographer.-

a, Photo-hydro stations - T-8822: These stations are listed below in numerical order by photographs since there is a duplication of numbering within the sheet.

Signal No.Description

FIELD PHOTO NO. 11052

- 01 Large boulder rock just off HWL.
- 02 Large lone grey block boulder about 12 ft high at base of sloping gut.
- 03 Cuter of twin grass-topped pinnacle-like points.
- 04 Top of prom. white streak ending at top of shear rock ledge; seaward top edge of streak.
- 05 Top end of prom, long, curved dirt scar in grassy area ending at rock bluff.
- 06 Top of grass-topped wedge-like pinnacle point.
- 07 Top of about 100-ft grass-topped pinnacle rock.
- 08 Large boulder on slide.
- 09 Large lone boulder about 10 feet high.
- 10 Huge grass-topped boulder.
- 11 Pinnacle rock about 25 feet high.
- 12 Top of pinnacle point about 100 feet high.
- 13 Large slanting dark grey rock, about 15 feet high at inshore end.
- 14 Large flat rock about 3 feet high (prom bird rest).
- 15 Prom. round point at HWL (rust-colored at base and grassed above).

FIELD PHOTO NO. 11051

- 16 Large boulder rock off HWL. First large rock at E end of slide rubble.
- 17 Largest rock in group at base of dark rock bluff. Station rock is lighter colored (brownish).
- 18 HW at end of sloping stratified cliff(light-colored). Cliff is very black-colored to east. There is a cave at HW to east and point is daubed with bird lime.
- 19 Largest boulder, 15 feet high, at E end of very white beach. Rock is light-colored on top.
- 20 6 foot high boulder rock.
- 21 Foot of W'ly of two conspicuous crevices.
- 22 Largest boulder near west end of detached rock ledge.
- 22A Prom. bluff corner at HWL. Point is undercut to north.

Signal No.Description

FIELD PHOTO NO. 11051 (cont.)

- 22B Large boulder at foot of slide just off HWL (about 10 ft high).
- 22C Prom. bluff corner of very black rock at HWL (vertical).
- 23 Large flat rock about 4 ft high in front of waterfall.
- 24 Prominent waterfall.
- 25 Offshore pinnacle rock about 35 feet high.
- 26 Prominent bluff corner at HWL.
- 27 End point of dark vein area where it meets lighter-colored rock at dirt slide.
- 28 8 foot high detached rock. There is a lower rock to NE.
- 29 Prominent outcropping, white colored point just above HWL. There is a narrow patch of grass just above.

FIELD PHOTO NO. 11050

- 32 Double rock; station is center of most northerly of two large rocks detached from shore at HW. Southernmost rock runs perpendicular to shore.
- 33 Center of grass spot in center of gravel spot below large prominent slide on slope.
- 34 Top of small pinnacle.
- 35 Base, rock point.
- 36 , Top, brown rock slide.
- 37 Rock outcrop.
- 38 Dark rock, small point.
- 39 Grayish gravel mound.
- 40 Brown rock at head of bay.
- 41 Small rock slide.
- 42 Point of grass (Signal to be built).
- 43 South edge, bottom black rock.
- 44 Top rock slide.
- 45 Grass-topped, light-colored rock point.
- 46 Black rock on beach.
- 47 Black rock on beach.
- 48 Blue shale slide (bottom).
- 49 Small rock point.
- 50 End of rock ledge.
- 51 Sharp sloping corner of ledge.
- 52 Face of rectangular ledge.
- 53 Large boulder above ledge.
- 54 Large boulder at LHW.

| <u>Signal No.</u> | <u>Description</u> |
|-------------------|--------------------|
|-------------------|--------------------|

FIELD PHOTO NO. 21256

- | | |
|----|---|
| 26 | Detached rock about 7 ft high; well worn and thin in small indentation in rock cliff shoreline. (Station rock is similar to a drop keel.) |
| 27 | Detached large, square-sided rock about 8 ft high and 18 ft long and 6 ft wide. (Rock is 12 meters from shoreline.) |

FIELD PHOTO NO. 21257

- | | |
|----|---|
| 28 | Intersection of HWL, stream and outcropping rock cliff corner at base of high rocky promontory. |
| 29 | Prominent green grass-topped rounded point at HWL. (Bare light-colored rock below grassed top.) |
| 30 | Prominent black rock angular point undercut deeply at HWL. |
| 31 | Dark colored rock off HWL and about 4 feet above HW and directly out from stream mouth which has several light-colored rocks at stream HWL. |
| 46 | Sloping rock point at HWL on end of sloping ridge just south of small indentation in island. |
| 47 | HW rock at small grassy point. (Rock is about 5 ft high and 9 meters out from grass high water point.) |
| 48 | Large lone boulder(grey top) just off HWL at base of stream. |
| 49 | Large lone boulder just off HWL and about 30 meters west of stream. |
| 50 | Broken rock point at HWL just below an exposed light-colored rock outcrop about 25 ft above in grass and alder. |

NOTE: 12A on field photo 11052 could not be located in the plot.
30 and 31 on field photo 11051 fall off the sheet to the south.

Photo-hydro stations, T-8823

| <u>Signal No.</u> | <u>Description</u> |
|-------------------|--------------------|
|-------------------|--------------------|

FIELD PHOTO NO. 21256

- | | |
|----|---|
| 01 | Large boulder rock about 5 ft above HW (outermost). |
| 02 | Grass-topped projecting nobby point about 25 ft high on north corner of broken rocky point (there is a hollowed-out space directly inshore and behind station). |
| 03 | Low ledge point at HWL (first prominent black rock point south of small low water beach). Station rock is bare for about 5 ft, then grass-covered. |
| 04 | HWL at stream and derelict whaleboat. |

FIELD PHOTO NO. 21256

- | | |
|----|--|
| 05 | Outer rock of group of several large square rocks on point. Station rock is at HWL and about 8 ft high. |
| 06 | HWL at rocky promontory (first rock point north of long, flat delta area. There is another small rocky point about 50 meters to the north.) |
| 07 | HWL at projecting point. E'ly of 2. |
| 08 | Center of prominent square hole in side of rock bluff about 10 ft wide and 10 ft deep. |
| 09 | HWL at outer rock point and about 5 ft above HW and flat topped. |
| 10 | HWL at rock point about 5 ft above HW. |
| 11 | Bare rock in middle of prominent dirt slide running up hillside and about 10 ft above HW. (Slide is below large rocky outcrop at top of hillside.) |
| 12 | Rock on boulder point about 4 ft above HW and on the HWL. (There is a small outcropping nose of rock about 20 meters to the west.) |
| 14 | Prominent low (about 6 ft) projecting point at beginning of small rock bluff line. |
| 15 | Bare rock outcrop 34 meters west of point of point and 18 meters north of HW at bight. Outcrop is about 15 ft high and wege-shaped. (There is a lowere outcrop to the west.) |
| 16 | HWL at rocky point and large dark green clump of alder immediately above. |
| 17 | HWL at outermost point (most S'ly) of vertical rock cliff. Station is higher of 2 grey spots on vertical face of rock and about 12 ft above HW. |

Signal No.Description

FIELD PHOTO NO. 21256

- 18 Detached rock at point (very small at base HWL and mushrooms up like a tree and is about 20 ft high with grassy topnotch).
- 19 Largest of group of well worn rocks on point at HWL just below rock ledge bluff. Station rock is about 5 feet above HW and grey-colored.
- 20 Large grey bare vertical rock face at HWL. Point is undercut on east end and has small waterfall equidistant on each side.
- 21 Prominent projecting outcropping point of rock about 20 feet high at HWL. (Point is grass and alder covered above)
- 22 Prominent large rock outcrop point below grass gully. Station is outermost point of grey rock about 5 meters back and above HWL.
- 23 Prominent light grey spot about 20 by 20 ft at top part of steep rock cliff and about 50 feet high.
- 24 East end and corner at HWL of prominent rock outcropping cliff. Station point is at HWL and has a 2 ft hole through the rock at the base just above HWL.
- 25 Prominent jutting rock point about 15 ft high at HWL. (Dark green alder clump to the east.)
- 32 First rock outcrop at bluff junction with grass beach 3 meters back of HWL.
- 33 HW rock off end of point extended from dropoff of bluff.
- 34 Large boulder rock about 2 meters off HWL and about 6 ft above HW.
- 35 Prominent blunt rock nose projecting point at HWL.
- 36 Outer and smaller of 2 large rocks about 6 ft above HW. (Several smaller rocks immediately offshore from station rock.)
- 37. Offshore rock, grass-topped, about 8 ft high.
- 38. Extreme end of point at HWL.
- 39 Extreme point of island at HWL. Station is small peak rock just out from overhanging nose-like point.
- 40 Semi-detached sloping light colored rock with grass top. (There is a rock cluster just offshore from this point.) Station is extreme west corner just above (5 ft) and at HWL.
- 41 Point at HWL of most N'ly corner of island. (There is a distinct right angle jog inshore from point.)

| <u>Signal No.</u> | <u>Description</u> |
|-------------------|--------------------|
|-------------------|--------------------|

FIELD PHOTO NO. 21257

- | | |
|----|--|
| 42 | HWL at end of groin-like rock point about 4 feet above HW and sloping upward. (Largest of 2 points and farthest south, but not outermost.) |
| 43 | Outer end of low light-colored grass-topped rock point about 7 feet high at HWL. (There is a small bight just to west of point.) |
| 44 | Outer end of low light-colored grassy rock point about 8 feet high. Rock on point and immediately to east is quite broken and small indentation in shoreline immediately to west. |
| 45 | Point of rock bluff at HWL immediately to west of grassy gully between station point and beginning of prominent rounded point to east. Station point is light grey color with white spot just to east. |

FIELD PHOTO NO. 21256

- | | |
|----|--|
| 51 | Extreme outer corner at HWL of low rock point. (Grassed on top.) |
| 52 | East corner at HWL of flat, vertical cliff where it jogs to the north. |
| 53 | Black rock formation (undercut). Blackest rock formation along this shoreline. |
| 54 | Long rock on shoreline about 5 ft high and at base of hillside. |
| 55 | Outcropping rock point at HWL about 12 ft high. |

FIELD PHOTO NO. 21257

- | | |
|----|--|
| 56 | Prominent abutment-like rock projecting from hillside and at and above HWL. Station is light colored green moss covered, and between two bare rock outcropping cliffs- the east one being longer and light grey colored. |
| 57 | Spire-like shaft of rock mostly moss covered and about 30 feet high at HWL. |
| 58 | Prominent black ledge corner at HWL and about 8 feet above. (There are two small white dots at station point.) |

FIELD PHOTO NO. 21256

- | | |
|----|---|
| 59 | Outermost end of rocky point at HWL. (There is a rock awash about 50 meters off point.) |
| 60 | Large lone rock on HWL. |
| 62 | HWL at point at outer end of sloping ridge-like rocky point about 12 ft high. (There is a prominent cut and waterfall to the east.) |
| 63 | HW at boulder rock point. Station point is grass top-notch rock about 10 ft high at HWL. |
| 64 | HWL at point of grass about 30 meters NW of tidal inlet. (Flag here.) |

Signal No.Description

FIELD PHOTO NO. 21256 (cont.)

- 65 Extreme N'ly point at rocky groin-like corner at
HWL. (Point about 10 ft high)
- 66 HWL and stream mouth.
- 67 Rock corner with light-colored grassy sloping
top just east of stream and gully.
- 67A HWL and stream at prominent V-shaped gully.
- 68 Outer SW (?) corner of detached, large slab rock about
10 ft high, and grass topped. (South tip located
by compiler.)
- 69 Outer corner at HWL of rocky point of island.
(Point is mound-shaped above and grass topped,
about 35 ft up.)
- 70 Base of long line of alder on side slope at HWL
and sharp rock outcrop. (There is a light-colored spot
about 20 ft above HWL.)
- 71 Cone-shaped detached rock about 15 ft high, grass-
topped and grey colored.
- 72 Huge slab-like rock eroded away from main bluff line,
sloping slightly back and about 30 ft high.
- 73 Pinnacle point about 20 ft high - flat side to
west. (Most W'ly point of land.)
- 74 Overhanging nose-like extremity about 8 ft above HW.
- 75 Point of rock about 25 ft high at opening (sharp
V-shaped).
- 76 Mid-point of opening in rock shoreline.
- 77 HWL at broken rock point at beginning of low
grassy area.
- 78 HWL at very small stream at narrow vertical gully.
- 79 HWL at jutting rock abutment and stream at beginning
of gully with waterfall. (There is another stream
and gully immediately to the west.)
- 80 HWL at mouth of stream at base of prominent steep
gully. (There is a rocky corner with white spots
just to the east of stream.)
- 81 HWL at extreme outer point of sloping rock ledge.
(Grass begins about 8 ft above HW.)

FIELD PHOTO NO. 21255

- 82 HWL and mouth of stream at prominent narrow ravine
with small waterfall.
- 83 Offlying grass-topped rock about 15 ft high. N'ly
top corner is station.
- 84 Rock corner where bluff begins at HWL and end of
beach.

Signal No.Description

FIELD PHOTO NO. 21255 (cont.)

- 85 Point of grass at bare spot (shale) in grass.
- 86 S'ly end of light-colored grass point about 6 ft above and at HWL.
- 87 5 ft rock at point.
- 88 Large squared off rock about 9 ft high with short grass on top.
- 89 Vertical rock corner (prominent), grass-topped, at east corner where small beach indentation starts. There is a boulder blocked gulley to the west.
- 90 HWL at steep rocky corner. (There is a small detached 4 ft rock immediately to the west.)
- 91 West corner of rock almost cut away from main bluff (has sloping, grassed top).
- 92 E'ly and most vertical of three prominent boulder rocks. Station rock about 15 ft high - highest of three, and grass-topped.
- 93 Prominent narrow abutment-like rock point of bluff at HWL.
- 94 Point of rock bluff about 8 ft high at HWL.
- 95 Lone 4 ft rock just off HWL near stream mouth.
- 96 Large square slab-like rock in front of bluff about 8 ft high.
- 97 HWL at sharp sloping point at corner of beach. Point is light colored, grassed.
- 98 Low projecting light-colored grass point at HWL and about 6 ft high. Point has quite a slope to the north toward the water and a vertical wash effect on south side.
- 99 Broken rock point at HWL. There is a small light-colored square about 20 ft above HW. Station point is outer corner rock and grass covered.

FIELD PHOTO NO. 21254

- 101 Center of small ledge on point. About 5 feet above HWL.
- 102 Offshore edge of small point.
- 103 Grass-topped pinnacle rock detached from island at HW.
- 104 Highest part near center of small point.
- 105 Large rock at foot of small rock slide just south of small triangular rock cliff.
- 106 Center of largest rock in this area; about 8 feet long, projects 3 feet above HW, and is flat-topped.
- 107 Tip of alders opposite sharp bend in stream
- 109 Tip of sharp point.
- 110 Very prominent huge rock on gentle slope.
- 111 SE edge and highest point of big rock about 3 meters inshore from HWL.
- 112 N'ly corner of tiny pond between shoreline and large pond (lagoon).
- 113 Center of small rock slide.
- 114 Smallest and N'ly of two large rocks.
- 115 ENE edge and highest point on prominent rock 15 ft. high.

Signal No.Description

FIELD PHOTO NO. 21254 (cont.)

- 116 Center of undercut islet.
- 117 Center of 8'x8'x8' grass-topped rock whose base is below HWL.
- 118 Highest part of largest rock forming point.
- 119 Base of small waterfall at HWL.
- 120 Slit in face of very small point SW of two larger points.
- 121 Detached rock at point, bares 6 ft at HW.
- 122 W'ly edge of U-shaped point.
- 123 High point of small island.
- 124 High point of pinnacle rock.
- 125 Center of rock off extreme point.

NOTE: Stations not listed were not held in the plot.

Recoverable Topographic Stations, T-8822

COVE, 1950
 DONE, 1950
 GATE, 1950 (Hard to identify - use with caution.)
 GOLF, 1945 (Hard to identify - use with caution.)
 HALF, 1945
 MUST, 1950
 PEST, 1950 (No field inspection - locate during hydro.)
 SEAL, 1950

Recoverable Topographic Stations, T-8823

BABE, 1950
 ERIN, 1950
 JOKE, 1945
 NCSE, 1950
 SITE, 1950
 TWIN, 1950
 VIRG, 1950
 ZINC, 1950
 OPEN, 1945 (Field photo unavailable - locate during hydro.)

b. See paragraph 35 for required field inspection.

Submitted:

Stanley J. Hathorn
 Stanley J. Hathorn
 June 13, 1951

Approved:

L. C. Lande
 L. C. Lande
 June 15, 1951

MAP T. 8822

PROJECT NO. CS 319

SCALE OF MAP 1:20,000

SCALE FACTOR 1.00

| STATION | Desc. page SOURCE OF INFORMATION (INDEX) G.P. page | DATUM | LATITUDE OR ν -COORDINATE LONGITUDE OR λ -COORDINATE | | DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS | | DATUM CORRECTION | N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS | | FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS |
|-------------------------------------|--|--------|---|--|---|--|---------------------|--|-----------------|--|
| | | | | | | | | | | |
| CLIFF, 1924 | 11 90 | NA '27 | 56 12 44.081 158 17 48.911 | | | | | 1363.4 843.1 | 492.4 191.1 | |
| WHY, 1924 | 15 94 | " | 56 11 38.89 158 16 11.20 | | | | | 1202.9 193.1 | 652.9 841.7 | |
| SHIP 2, 1945 | 19 37 | " | 56 08 22.263 158 21 37.152 | | | | | 688.6 641.6 | 1167.2 394.5 | |
| CASTLE CAPE OUTER SPIKE, 1920 | - 94 | " | 56 14 25.57 158 07 10.26 | | | | | 790.9 176.7 | 1064.9 856.7 | |
| LAKE 2, 1924 | 11 90 | " | 56 14 14.753 158 10 28.340 | | | | | 456.3 488.2 | 1399.5 545.3 | (destroyed) |
| NEW, 1924 | 11 90 | " | 56 13 52.269 158 20 50.665 | | | | | 1647.6 872.9 | 208.2 160.8 | |
| BAY, 1924 | 11 90 | " | 56 12 15.839 158 14 19.231 | | | | | 489.9 331.5 | 1365.9 702.9 | |
| PUDDING, 1920 | 11,19 37 | " | 56 12 08.276 158 12 35.829 | | | | | 256.0 617.7 | 1599.8 416.7 | |
| YELLOW SPOT 1920 | - 91 | " | 56 11 30.35 158 11 41.44 | | | | | 938.7 714.7 | 917.1 320.0 | |
| CHIGNIK MT.S. SUMMIT, 1920 | - 90 | " | 56 14 45.91 158 20 46.01 | | | | | 1420.0 729.4 | 435.8 303.9 | |
| CHIGNIK MT.N. SUMMIT, 1920 | - 90 | " | 56 15 00.123 158 20 46.694 | | | | | 3.8 804.1 | 1852.0 229.1 | |
| MOUNTAIN PEAK 1919 | - 103 | " | 56 11 49.86 158 25 27.53 | | | | | 1542.2 474.7 | 313.6 559.9 | |

1 FT. = 3048006 METERS
COMPUTED BY: V.E. Cook

DATE May 1951

CHECKED BY: R.G. French

DATE May 1951

M. 2388-12

MAP T-8823

PROJECT NO. CS 319

SCALE OF MAP 1:20,000

SCALE FACTOR 1.00

| STATION | DESC. PG. SOURCE OF INFORMATION (INDEX) G. P. PG. | DATUM | LATITUDE OR ψ -COORDINATE LONGITUDE OR χ -COORDINATE | | DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS | | DATUM CORRECTION | N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS | | FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS | |
|----------------------|---|----------|---|----|---|--|---------------------|--|--------|--|--|
| | | | | | | | | FORWARD (BACK) | | FORWARD (BACK) | |
| HEAD, 1919 | 10,20 | N.A. '27 | 56 | 11 | 48.819 | | | 2510.0 | 345.8 | | |
| | 101 | " | 158 | 30 | 29.268 | | | 504.7 | 529.9 | | |
| ROCK, 1919 | 10,20 | " | 56 | 10 | 56.892 | | | 1759.7 | 96.1 | | |
| | 101 | " | 158 | 32 | 52.528 | | | 906.1 | 128.9 | | |
| NEST, 1919 | 10,20 | " | 56 | 09 | 10.522 | | | 325.4 | 1530.4 | | |
| | 101 | " | 158 | 33 | 39.827 | | | 687.6 | 348.2 | | |
| EAGLES NEST, 1919 | 20 | " | 56 | 08 | 04.16 | | | 128.7 | 1727.1 | | |
| | 102 | " | 158 | 33 | 23.12 | | | 399.3 | 637.0 | | |
| ISLE, 1919 | 10,20 | " | 56 | 06 | 51.120 | | | 1581.1 | 274.7 | | |
| | 96 | " | 158 | 35 | 53.070 | | | 917.1 | 119.8 | | |
| WINDY, 1945 | 20 | " | 56 | 06 | 24.319 | | | 752.2 | 1103.6 | | |
| | 96 | " | 158 | 40 | 35.372 | | | 611.4 | 426.0 | | |
| RINK, 1945 | 20 | " | 56 | 07 | 46.08 | | | 1425.2 | 430.6 | | |
| | 103 | " | 158 | 40 | 05.26 | | | 90.9 | 945.9 | | |
| SPOON, 1945 | 20 | " | 56 | 08 | 38.137 | | | 1179.5 | 676.3 | | |
| | 96 | " | 158 | 38 | 48.814 | | | 842.9 | 193.2 | | |
| PINNACLE, 1919 | - | " | 56 | 10 | 41.00 | | | 1268.1 | 587.7 | | |
| | 103 | " | 158 | 30 | 50.41 | | | 869.7 | 165.4 | | |
| CASTLE, 1919 | 10 | " | 56 | 08 | 59.744 | | | 1847.8 | 8.0 | | |
| | 95 | " | 158 | 30 | 34.662 | | | 598.4 | 437.5 | | |
| CAMP, 1919 | 9-20 | " | 56 | 07 | 54.120 | | | 1673.9 | 181.9 | | |
| | | " | 158 | 36 | 59.275 | | | 1023.9 | 12.4 | | |
| BEACH, 1919 | 10 | " | 56 | 07 | 35.769 | | | 1106.3 | 749.5 | | |
| | 100 | " | 158 | 39 | 58.449 | | | 1009.7 | 26.8 | | |

1 FT. = 3048006 METER

COMPUTED BY: C. E. Cook

DATE May 1951

CHECKED BY: P. G. French

DATE

May 1951

M-2388-12



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MAP T- 8823..... PROJECT NO. CS 319..... SCALE OF MAP 1:20,000..... SCALE FACTOR 1.00.....
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[illegible]

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MAP T- 8823 PROJECT NO. CS 319 SCALE OF MAP 1:20,000 SCALE FACTOR 1.00
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[illegible]

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MAP T- 8824..... PROJECT NO. CS 319..... SCALE OF MAP 1:20,000..... SCALE FACTOR 1.00
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[illegible]

GEOGRAPHIC NAMES

Survey No. T-8822-23

| 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 |
|-------------------------|----------------------|--------------------------------|----------------------------------|--|--------------------|-------------------------|-------------------------|-----------------------|----|
| <u>Alaska</u> | | | | J for title | | | | | 1 |
| <u>Alaska Peninsula</u> | | | | | | | | | 2 |
| <u>T-8823:</u> | | | | | | | | | 3 |
| <u>Kuiuukta Bay</u> | | | | | | | | | 4 |
| <u>Windy Bay</u> | | | | | | | | | 5 |
| <u>Portage Bay</u> | | | | (shift name to eastward, to apply to East-west Head section of Kuiuukta Bay) | | | | | 6 |
| <u>Virgin Peak</u> | | | | | | | | | 7 |
| | | | | | | | | | 8 |
| <u>T-8822</u> | | | | | | | | | 9 |
| <u>Castle Cape</u> | | | | | | | | | 10 |
| <u>Castle Bay</u> | | | | | | | | | 11 |
| <u>Nikolai Cove</u> | | | | | | | | | 12 |
| <u>Necessity Cove</u> | | | | | | | | | 13 |
| <u>Warner Bay</u> | | | | | | | | | 14 |
| <u>Ross Cove</u> | | | | | | | | | 15 |
| <u>Portage Bay</u> | | | | | | | | | 16 |
| | | | | | | | | | 17 |
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Names approved 2-19-53
h. Heck

* This is another case,
where infra-red photo. would
have improved the map
RAB

Review Report T-8822 and T-8823
Shoreline Maps
March 19, 1953

62. Comparison with Registered Topographic Surveys.- None

63. Comparison with Maps of other Agencies.-

U.S.G.S. Topographic Map, Chignik Alaska, 1:250,000 - 1952

This map is of too small a scale for satisfactory comparison.

64. Comparison with Contemporary Hydrographic Surveys.- None

65. Comparison with Nautical Charts.-

8710 1:77,477 Oct. 1950

There are no significant differences between these maps and the chart in the controlled portion of the chart. In the uncontrolled sketched portion of the chart the shoreline differs considerably.

| | | |
|------|-------------|------------|
| 8502 | 1:969,761 | Sept. 1950 |
| 8802 | 1:1,023,188 | Dec. 1952 |
| 9302 | 1:1,534,076 | Dec. 1952 |

These charts are of too small a scale to make a satisfactory comparison of shoreline details.

66. Adequacy of Results and Future Surveys.- These maps comply with project instructions and are adequate as bases for hydrographic surveys and the construction of nautical charts.

Reviewed by:

Bernard J. Colner
B. J. Colner

APPROVED BY:

L. C. Lande
Chief, Review Section
Div. of Photogrammetry

* H. W. Swanson
Chief, Div. of Photogrammetry
Aug. 26, 1957

Wallace A. Bruder 9/11/57
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Division of Charts

W. A. Bruder
Chief, Div. of Coastal Surveys