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Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

E. Lester Jones, Director

State: Alaska

DESCRIPTIVE REPORT

ographic  
sheet

Sheet No. B

4398

LOCALITY

Kodiak Island  
Southwest Alaska

Kiliuda Bay

Surveyor (Wildcat)

1928

CHIEF OF PARTY

R. R. Lukens

GOVERNMENT PRINTING OFFICE

Applied to -

Chart 8536, scale 1:80,000 J.W. Muir.

Descriptive Report to Accompany Topographic Sheet "B"  
Kiliuda Bay, Kodiak I Alaska.

Authority for the survey described herein is contained in instructions to the Commanding Officer, Steamer Surveyor dated February 18, 1928.

General Description. With the exception of sand and gravel beaches at the back of the bights and bays and along the spits, the shoreline is composed mostly of eroded cliffs with scattered boulders, reefs and pinnacle islands extending offshore from the bases of the cliffs.

Landmarks

Inner Right Cape is a prominent dome-shaped mound 512 feet high on the peninsula marking the easterly entrance point to Kiliuda Bay.

Kiliuda Rock is a prominent reef 2 feet above high water. It is just inside the entrance of Kiliuda Bay and one mile west of Inner Right Cape.

Parrott Islands are a group composed of a precipitous island 103 feet high and two conspicuous pinnacle rocks 61 and 68 feet high. Station Parrott is on the highest point of the island. The group is one mile NW mag. of Kiliuda Rock.

There ~~are~~ is a series of reefs on both sides of the entrance of Shearwater Bay. Those showing at high water on the east side are shown on this sheet. (The topography was done here at high water). The reef on the west side was taken from Chart 8822 and is approximately in the right position.

Survey Methods

This sheet was started before a satisfactory longitude and azimuth were <sup>obtained. Approximate longitude and azimuth were</sup> used to plot the triangulation positions. A satisfactory azimuth which differed from the approximate value by 10 seconds of arc was determined near the end of the season. This did not change the position of the triangulation an appreciable amount. The assumed longitude was in error and a new projection was laid over the old. This new projection is 278.2 meters west of the original projection. The new projection was placed on the sheet December 4, 1928 by F. R. Gossett. This was done by plotting distances from the original projection and checking on the triangulation stations, where necessary adjusting discrepancies caused by unequal distortion of the sheet. During a full gale while at anchor in Santa Flavia Bay on the night of September 21, 1928, the sheet was dislodged from its rack above the chart table of the launch WILDCAT and the east end of the sheet became thoroughly soaked with rain and spray on the decks of the wheelhouse before being discovered. The wetting occurred after the close of the seasons field work on this sheet.

Triangulation stations HEAD, RAIN, GREEN, CLIFF, FLAG and PIN were plotted on the new projection.

Most of the plane table positions were obtained by three point fixes and resection. Rod readings were used to locate shoreline and signals, and intersection to locate and check signals.

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and peaks. No traverse was run.

Weather conditions and close of season prevented completion of the sheet. Cuts taken on peaks and objects ahead of the work are labeled in pencil and left on the sheet for future use if desired.

Shearwater Bay is shown on the sheet in dashed pencil line, and was sketched from Chart 8822.

### New Place Names

Name	Object	Origin or Reason for Names
✓ Inner Right Cape <i>OK</i>	Cape	In local use Distinguished from more prominent Outer Right Cape. ✓
✓ Santa Flavia Bay <i>OK</i>	Bay	In local use--So called because cannery ship Santa Flavia anchored here for the 1927 (?) season. ✓
Kiliuda Rock <i>OK</i> <i>Recommended Await- H.S. decision to GB</i>	Reef	Named by survey party Conspicuous rock in the entrance of Kiliuda Bay.
Ermine Point <i>OK</i> <i>Recommended Await- H.S. decision to GB</i>	Point	Named by survey party, because of numerous ermine seen around base of cliffs on this point.
Dark Islands <i>not recommended There is a Dark Is. off the coast of Alaska Kodiak group Dusk Is to GB</i> <i>Russian = Temnie</i>	Group of small islands	Named by survey party because of characteristic dark appearance.
Farrott Islands <i>Recommended Await- H.S. decision to GB</i> <i>Parrot</i> <i>Rejected because of duplications</i> <i>Nest I</i>	Island and pinnacles	Named by survey party hundred of sea-parrots have the top of this island honeycombed with burrows.
Ladder Island <i>Recommended Await- H.S. decision to GB</i>	Island	Named by survey party There was a native's ladder for scaling the cliffs hanging at the south end of this island.

For the information of the officer continuing this sheet there are the following anchorages and campsites in this locality in order of desirability.

East Shearwater Lagoon--good anchorage--in all but northerly weather for small boats in five fathoms mud bottom. Good campsite with fresh-water stream nearby.

In West Arm of Kiliuda Bay behind the first sand spit on the South side (1/4 mile west of Rain). Good anchorage in all weather in 12 fathoms mud bottom. Fair campsite.

Shearwater Bay. Anchorage just north of the cannery dock.

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Not well protected from South or North. Possible campsite near cannery.

Santa Flavia Bay--good anchorage in all but southerly weather in 11 to 16 fathoms sticky bottom in center. Possible campsite on flat at head of bay.

In the wide bay between  $\Delta$  Pin and  $\Delta$  Flag there is a fish trap and cabin near the mouth of a small river. There is probably a good campsite but open anchorage here.

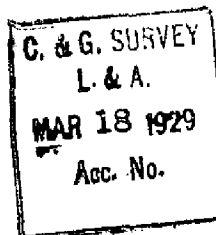
There is no anchorage in the North Arm.

The bay just west of Shearwater appears to be foul with reefs.

Sqd. F.R. Gosset.

*Examined and approved*  
*R.R. Lukens*  
*Chief of Party*

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY



REG. NO.

4398

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. \_\_\_\_\_

REGISTER NO. **4398**

State ALASKA

General locality ~~Southwest Alaska~~ Kodiak Island

Locality Prilinda Bay

Scale 1:20,000 Date of survey September, 1928

Vessel Surveyor (Wildcat)

Chief of Party R. B. Lukens

Surveyed by F. R. Gossett

Inked by F. R. Gossett

Heights in feet above M. H. W. to ground to tops of trees

~~Contour~~ ~~Approximate contour~~ Form line interval 100 feet

Instructions dated February 10, 1928

Remarks: Unfinished sheet.