DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: Southwest Alaska

LOCALITY:
Sheikof Strait
Northern Part of Shuyak Island

Scale 1/20,000

1931

CHIEF OF PARTY:
H. B. Campbell
DESCRIPTIVE REPORT

to accompany
Topographic Sheet "C".

LOCALITY

This sheet covers the west and north sides of Shuyak Ia., Southwest Alaska. It joins with Reg. #4221 on the southwest, and unsurveyed area on the northeast.

AUTHORITY

This survey was made under the Director's instructions dated April 10, 1931, U.S.C. & G.S.S. DISCOVERER, H. B. Campbell, Comdg.

GENERAL DESCRIPTION

Shuyak Island is low with rolling relief. The maximum elevations do not exceed 500 feet. The northern part is predominantly grass covered with scattered clumps of trees in the creek bottoms. Proceeding southward, wooded area predominates, only a few of the hill tops being bare. Rocky outcrops are found throughout, and the entire island is dotted with small shallow lakes.

The shores are deeply and deviously indented by shallow inlets and bays, and are extremely ragged, particularly the western coast.

A few brown bear are still found on the island but their evidence was so infrequent that it is doubtful that over half a dozen still remain. Willow ptarmigan are fairly numerous, but not as much as might be expected from the favorable climatic conditions and the amount of food available. They are apparently kept in check by the foxes which remain from the abandoned attempt to establish a
fox farm on the island. Eider ducks were found to nest on the west and north shores and mallard ducks were fairly numerous about the lakes, as were various other waterfowl.

**DARK ISLAND**

is also an abandoned fox farm. The buildings are still standing in fair condition. Foxes are still found on the island. It is entirely grass-covered with gently undulating hills.

**GULL ISLAND**

is dome shaped and grass covered. It marks the entrance to Western Inlet. It is flanked on the north by several reddish appearing rocks.

**ELEVATIONS**

The elevations are referred to mean high water and are to ground surface in all cases. The elevation of Gull Id. is 83 ft. rather than 150 ft. as it is now shown on chart No. 8555.

Several determinations were obtained of each elevation appearing on the sheet and they may be relied upon within a few feet.

**OFFLYING DANGERS**

These are numerous and are as shown and noted on the sheet.

**NAMES**

Dark Passage is suggested as the name for the pass between Party Cape and Dark Island. It is known by this name by local fishermen and trappers. Local name, "Tidlingway" to submitted to US Geog. Board for approval because Coast Pilot now publishes it as Dark Island Pass.
Star Rocks is suggested for the group of rocks in mid-channel or Dark Passage. The Str. STAR was reported to have struck here and remained several hours while waiting for the tide to float her off.

Skiff Passage is suggested for the narrow, tortuous, high water pass connecting Big Bay with the mouth of Carry Inlet. It is navigable by a skiff at high water only.

Carshen, a combination of the words Carry and Shangin, is suggested as a name for the ragged, well defined point separating the two bays.

Shangin Rock is suggested as a name for the bare rocky islet lying about a mile NE of the above mentioned point. It is a well-defined landmark, and may be considered to mark the entrance to Shangin Bay. Station OFF is located upon it.

Perevalnie Passage: a suggested name for the launch passage lying between Perevalnie Island and Shuyak Island.

Sentinel Rock: a suggested name for the 33 ft. rocky islet lying about a mile NW of Point Banks. Its sides are nearly vertical and it shows up well when viewed from the east, south-east, west and north-west. Topographic signal DE is located upon it.

METHOD OF SURVEY

The standard plane table and stadia were used throughout.

The control for Big Bay was by combined graphic triangulation and traverse—one used as a check against the other. There was no other check. The southwestern arm of Big Bay was moved slightly from its position as shown on Reg. #4221 to conform to the position
of the signals located for the hydrographer's use.

The shoreline from Cape Newland north to Station BOB was transferred from Reg. #4221. The signals located for the hydrographer (1931) in most cases checked the shoreline very well. In those cases in which the shoreline failed to conform, the change necessary to show its true relation to the signal has been inked. This was slight in all cases north to Station BAY.

Station BOB, (1928), was discovered to be in error 18 meters. The station was relocated by computed triangulation and the shoreline in the vicinity was re-run until an agreement was reached. The narrow neck of land separating the northwest arm of Big Bay from the cove southeast of Station BOB was paced normal to the shoreline and found to agree without apparent error from the width as determined by the two separate traverses, thus indicating but little error in the location of the head of Big Bay.

The control for Western Inlet was also by combined graphic triangulation and traverse.

A partial check on the traverse upon which Shangin Bay is dependent was obtained by setting up on the hill between Carry Inlet and Shangin Bay, (Station PIRATE), obtaining a three point fix on BANKS, TOO, and SHUYAK and cutting in a flag near Station TYPE in Shangin Bay. This cut agreed within 12 meters of the position as determined by traverse and the traverse was adjusted.

For the remainder of the sheet, control was by graphic triangulation and three-point fixes, supplemented by short traverses.
STATISTICS

Statute miles of shoreline - - - - - - - - - - - - - - - - - - 162

Area (square statute miles) - - - - - - - - - - - - - - - - - - 60

George A. Nelson,
Jr. H. & G. Engr., C. & G.S.,
Topographer.

Approved & Forwarded

A.S. Campbell,
County Director.
REVIEW OF TOPOGRAPHIC SHEET NO. 4665

Title (Par. 56) Northern part of Shugak Island, Shishof Strait, Alaska
Chief of Party H.B. Campbell Surveyed by G.A. Nelson Inked by G.A.N.
Ship Discoverer Instructions dated Apr. 10, 1931 Surveyed in June-July 1931

1. The survey and preparation for it conform to the requirements of the Topographic Manual (Pars. 7, 8, 9, 13, 16).

2. The character and scope of the survey satisfy the specific instructions.

3. The control and closures of traverses were adequate. (Par. 12, 29.)

4. The amount of vertical control that the Manual specifies for 'centours-formlines' was accomplished. (Par. 18, 19, 20, 21, 22, 23.)

5. The delineation of 'centours-formlines' is satisfactory. (Par. 49, 50.)

6. There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 23.)

7. High-water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.)

8. The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.) Some of the legends are noted on the chart.

9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.)

10. The span, draw and clearance of bridges are shown. (Par. 16c.)

11. Locations and elevations of summits are given. (Par. 19, 51.)
12. The tree line was shown on mountains. (Par. 168.)

13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.) No list of prominent and/or recoverable stations listed by the topographer was included. An inspection of the sheet shows a number of peaks and small islands of this nature.

14. The descriptive report also contains additional information required in pre-topography relative to type of photographs, method of compilation and type of ground control.

15. The descriptions of prominent stations and references to shore line were accomplished on Form 594. (Par. 29, 30, 57, 67 except scaling of DMs and DPs, 68.) None furnished.

16. A list of landmarks for charts was furnished on Form 597. (Par. 156, 16, 60.) None furnished.

17. The magnetic meridian was shown, and Declination was checked. (Par. 17, 52.)

18. The geographic datum of the sheet is Valdez and the reference station is correctly noted. (Par. 34.) Name of station was added to sheet in the office.

19. Junctions with contemporary surveys are adequate. Note minor corrections to shoreline of 74221 in the overlap, see Descriptive Report 7465.

20. Geographic names are shown on the sheet and are covered by the descriptive report. (Par. 64, 66k.) A memo relative to suggested new names has been furnished to Mr. Blevin.

21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.) Periods after abbreviations in column areas were removed in office.

22. No additional surveying is recommended.

23. The Chief of Party inspected and approved the sheet and the Descriptive Report after review by --

* Sheet signed by topographer only

Reviewed in office by M.J. Christiansen April 10, 1933

Inspector: E.C. Kee

Sheet examined and approved by ARS.

L. O. Prather
Chief, Section of Field Records

Chief, Section of Field Work
Memo for Mr. Bacon, relative to new names on T 4665, Shuyak I., Alaska.

The Descriptive Report gives a number of suggested new names. The names have not been placed on the topo sheet, but the descriptions are adequate for placing them if approved by the Board of Geo. Names.

L. O. Rebert.

Dark Passage being a local name may be put on the sheet. The approval of the U.S. Geo. Board should be obtained because it is published as Dark Island Pass in the Coast Pilot—Part II. Supplement of April 1933.

Other names are forwarded for forwarding to the U.S. Geo. Board with a recommendation that they be approved. H.B. April 17, 1933
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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 Letter a

REGISTER NO. 4665

State Southwest Alaska

General locality Shelikof Strait
Northern Part of

Locality Shuyak Island

Scale 1-20,000 Date of survey June-July 1931

Vessel DISCOVERER

Chief of Party H. B. Campbell

Surveyed by George A. Nelson

Inked by George A. Nelson

Heights in feet above mean tide, mean tide is used.

Instructions dated April 10, 1931

Remark: Where rocks are referred to tide.
### Nautical Charts Branch

**Survey No.** T-4665

**Record of Application to Charts**

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A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.