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Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
State: <u>Alaska</u>
11-5613
DESCRIPTIVE REPORT.
TOPO Sheet No. <u>A</u> 4397
LOCALITY:
Kodiak Island
Southwest Alaska
Sitkalidak Strait
Cape Barhabas to Old Harbor
Surveyor (Wildcat)
1928
CHIEF OF PARTY:
R. R. Lukens

Applied to -
Chart 8536, scale 1:80,000. J. W. McGuire.

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4397

Descriptive Report to Accompany Topographic Sheet "A"
Sitkalidak Straits, Southwest Alaska.

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

General Description of Coast. The coast is generally rocky, and is in many sections marked by eroded cliffs with large boulders lying on sand or gravel beaches at the base of the cliffs. Many of the small islands in the straits rise as high pinnacles above the water, and the hydrography around these pinnacles shows them to be several hundred feet in height above the ocean floor. There are indications around Cape Barnabas of an upheaval of comparatively recent date.

All information regarding inshore and outlying dangers, is lettered plainly on the topographic sheet.

Survey Methods. This sheet was started before the datum for the triangulation was accurately determined. The latitude and approximate azimuth had been obtained and the positions of both East and West Base were computed. The triangulation was then plotted by distances from the triangles, as a satisfactory azimuth was not obtained until near the end of the season. The satisfactory azimuth differed from the approximate azimuth obtained at the beginning of the season, by 10 seconds of arc, and does not change the position of the triangulation an appreciable amount. The computed positions of the triangulation when plotted, agree with the positions on the sheet which were plotted by distances, and no adjustment was necessary. 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 November 7, 1928 by Paul A. Smith, and each intersection was plotted by distances from the original projection, adjusting discrepancies where necessary.

All the shore line and signals were located by intersection, resection, three point fix, or single rod readings from a plane table position obtained in the above manner. No traverse was run. All signals were checked by two or more cuts from other plane table positions. All elevations of peaks shown were checked. Several elevations along the coast or in the rolling land around the Narrows, were not checked, and in such gently rolling topography the point sighted is usually uncertain.

New Place Names.

Name	Object	Origin or Reason for Name
✓ Old Harbor <i>OK</i>	Town	In local use
The Narrows	Strait	In local use ✓

*The same name has been applied
at Moser B. 24 miles distant.*

*Sitkalidak Narrows would be preferable. —OK. Sec. T. 4694. S.W. 1/4.
Used in 1928*

Name	Object	Origin or Reason for Name
✓ Sheep Island <i>may be used</i>	Island	Named locally because Trader Kreuter at Old Harbor has 6 sheep on the island. ✓
Sheep Bay <i>await H.B. approval</i>	Bay	Named by survey party. <i>Midway suggested by chief</i>
✓ Bush Point <i>may be used</i>	Point	In local use. Named for the lone bush about 200 yards N.E. of the light. ✓
✓ Shag Rock <i>not recommended but being a local name, may be used</i>	Rock	Named by whalers using this channel because a large number of birds locally called "Shags" always roost on this rock. ✓
Cat Island <i>await H.B. approval</i>	Island	Named by survey party. <i>Cub suggest^{ed} by Chief Castor</i>
Nut Island <i>await H.B. approval</i>	Island GB	Named by Survey Party because of the appearance of the island.
✓ Amee Bay <i>OK</i>	Bay	In local use. Aleut for "Dogfish" ✓
✓ Three Sisters <i>OK</i>	Rocks	A group of low rocks, name in local use. ✓
Cathedral Island <i>await H.B. approval</i>	Island GB	Named by Survey Party because of the appearance of the island. No local name in use.
✓ Mc Cord <i>OK</i>	Settlement	In local use. <i>also Bay</i>
✓ Port Hobron <i>OK</i>	Bay	In common use. Also used to designate the settlement at the Whaling Station. ✓
✓ Harbor Hat <i>OK (P+)</i>	Prominent Headland	Named by whalers, who make this a turning point when using the eastern entrance of the strait ✓
✓ Lagoon Point <i>OK</i>	Prominent Point	Named by whalers. ✓
✓ Mc Donald <i>OK, may be considered local usage</i>	Lagoon	Named after Capt. Mc Donald of Kodiak (now deceased) who at one time had a homestead or settlement in the lagoon. Also called "Fox Lagoon", "The Lagoon", and "Mc Donald Cut-Off". ✓
Tanginak <i>await H.B. approval</i>	Bay GB	Named by Survey Party because whaling vessel "Tanginak" made occasional use of this anchorage.
Table Island <i>await H.B. approval</i>	Island GB	Named by Survey Party because of the table-like appearance. Also called "Entrance Island".
<i>There is a Table I mean Hood B. Alexander Archipelago. In view of the wide separation, the use of the name is not objectionable.</i>		

Name	Object	Origin and Reason for Name
✓ Left Cape ^{OK.}	Prominent Point	In local use. ✓
Snug Cove ^{Not recommended. Too many repetitions!}	Cove	Named by Survey Party who used this cove for a mooring for the small launch. ^{Cozy} HB
Ghost Rocks ^{Good name. Recommended to H.B.}	Group of high pinnacles	Named by Survey Party because of appearance of pinnacles.
Fang Point ^{Good name. Recommended to H.B.}	Prominent Point	Named by Survey Party because of lone rock off the point.

Notes in pencil by H.B. July 19, 1929 Notes in red, April 1930.

Plane Table Positions

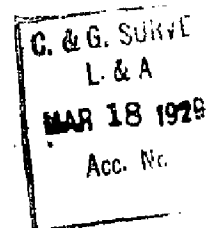
Object and Description	Lat.	D.M.	Long.	D.P.	Elev.
Flagpole School House at Old Harbor	57° 11'	1662	153° 18'	490	
Stack at Whaling Station	57° 09'	682	153° 09'	392	
U.S.L.M. No. 1586	57° 06'	631	153° 05'	115	32
Fixed White Light	57° 12'	504	153° 16'	690	✓
Fixed Red Light	57° 12'	888	153° 15'	504	✓
Fixed White Light	57° 12'	1454	153° 13'	142	✓
Fixed White Light	59° 11'	1760	153° 09'	718	✓

(599) Paul A Smith

Examined and approved

R. F. Lukens
Chief of Party

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY



REG. NO.
4397

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. A

REGISTER NO. **4397**

State Alaska

General locality ~~Southwest Alaska~~ Kodiak Island

Locality Sitkalidak Strait, Cape Barnabas to Old Harbor.

Scale 1 : 20,000 Date of survey June to August, 192 8

Vessel Surveyor, (Wildcat)

Chief of Party R. R. Lukens

Surveyed by Paul A. Smith and F. R. Gossett

Inked by Paul A. Smith

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

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

Instructions dated February 18,, 192 8

Remarks: _____