

4399

Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

State: Alaska

11-5613

DESCRIPTIVE REPORT.

TOPO Sheet No. C

4399

LOCALITY:

Boulder Bay, Kodiak Island

~~Southwest Alaska~~

~~Sithalidek Strait~~

Dangerous Cape to Inner Right Cape

Surveyor (Wildcat)

1928

CHIEF OF PARTY:

R. R. Lukens

Applied to -

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

## DESCRIPTIVE REPORT

To accompany Topographic Sheet "C"

4399

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

### General Description.

In general the coast in the vicinity covered by this sheet is ragged and broken. In most places there are eroded cliffs with scattered boulders along the shore, and it seems safe to assume that these boulders are also scattered along the ocean bed at some distance from shore.

Dangerous Cape is a bold conspicuous cape whose eastern face is a series of eroding bluffs. There is a prominent rock 30 feet high 320 meters south of the southern extremity of the cape.

### Landmarks.

There is a flashing white light, 197 feet high on the west side of Dangerous Cape.

There is a 30 foot high flat top rock, 320 meters offshore at Dangerous Cape.  $\Delta$  Danger is on top of this rock.

50 meters offshore at Outer Right Cape there is a conical shaped rock 31 feet high.  $\Delta$  Right is on this rock.

About a mile inside of Boulder Bay from Outer Right Cape there is a steep loose rock-slide 1800 feet high.

### Survey Methods.

The plane table was set up on triangulation station Danger and the survey was carried into Boulder Bay by resection, using  $\Delta$  King to resect on.

The same method of survey was carried into Boulder Bay from triangulation station Right, resecting on  $\Delta$  Danger.

Traverse was run from Outer Right Cape to Inner Right Cape tying in at Inner Right Cape with topographic sheet "B" within the allowable error.

The triangulation positions were computed using an approximate azimuth. Later upon obtaining a satisfactory azimuth the difference between it and the approximate azimuth was not appreciable, but the assumed longitude was found to be in error so a new projection was laid out on this sheet November 20, 1928 by F. G. Johnson. This was done by plotting distances from the old projection and checking up on the triangulation stations.

New Place Names.

Name	Object	Origin or Reason for Name
Boulder Bay	Bay	✓ In local use. Two other Boulder Bays, one in Prince of Wales Sound and one in Alaska Peninsula. Another name is desirable. This name may be considered as established by local usage.
Outer Right Cape	OK Cape	✓ In local use.
Inner Right Cape	OK Cape	✓ In local use.

MB.  
July 19, '29

List of Plane Table Positions

Object and Description	Lat.	D. M.	Long.	D. P.	Elev.
Flashing White Light ✓	57° 16'	761.8	152° 42'	868.8	197 feet.

This light is obscured from vessels approaching Dangerous Cape from the northwestward until the light bears West magnetic.

(sgd) Paul A. Smith

Note all the country in this vicinity is treeless. The land is covered with a tundra with alders in the gulches and ravines.

Examined and approved

R. P. Lukens  
chief of Party

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

C. & G. SURVEY  
L. & A.  
MAR 18 1929  
Acc. No.

REG. NO.  
4399

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. "C"

REGISTER NO. 4399

State Alaska

General locality ~~Kodiak Island~~ Boulder Bay, Kodiak Island

Locality ~~Entrance to Situklidak Strait~~ Dangerous Cape to Inner Right Cape

Scale 1:20,000 Date of survey August, 1928.

Vessel (Wildcat) SURVEYOR

Chief of Party R. R. Lukens

Surveyed by F. G. Johnson

Inked by F. G. Johnson

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

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

Instructions dated February 18, 1928.

Remarks: Unfinished sheet.