

4934

Diag. Ch. No. 8502-2 & 8556-1

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey *Hydrographic*
Field No. _____ Office No. *4934*

LOCALITY

State *S.W. Alaska*
General locality *Kodiak Is*
Locality *Cape Uganik*

1949

CHIEF OF PARTY

R. R. Lukens

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Form 504

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R.S. Patton, Director

L. & A.
DEC 11 1929
Acc. No.

State: S. W. Alaska.

DESCRIPTIVE REPORT

~~Topographic~~ } *Sheet No. 10* **4934**
Hydrographic }

LOCALITY

Kodiak Island.

Cape Uganik - Uganik Id.

1929.

CHIEF OF PARTY

R. R. Lukens.

DESCRIPTIVE REPORT.

Hydrographic Sheet # 10.

Str. Surveyor

R. R. Lukens, Comdg.

Scale 1 : 20,000.

DATE OF INSTRUCTIONS

The work was done in accordance with Instructions dated March 14 1929.

LIMITS

This sheet comprises the inshore hydrography on the N.W. side of Uganik Id. Beginning at Cape Uganik Light House, from a union with the work of the Uganik Point Sheet (field #8) it extends to the Noisy Islands at the entrance of Uganik Bay and joins the work of Hydrographic Sheet # 2963.

A small area, supplemental to Hydrographic Sheet # 2963 extends from Δ Yellow (1908) to a point 1.2 miles South of Δ Yellow.

All of the hydrography is carried offshore a distance of 1.5 miles joining the ship work on field sheet #7.

CONTROL

Control was established by planetable traverse between triangulation stations. There was no appreciable closing error in the topography.

TIDE GAUGE

The portable tide gauge at Uyak was used in the reduction of the sounding records for June. This was replaced June 25 by automatic gauge #212 which was used in the reduction of the July record. Both gauges were used without adjustment.

SURVEY METHODS

The usual survey methods as prescribed in the Hydrographic Manual were employed. Surveyor's motorsailer was used for all of the work. Practically all the lines were run on ranges, no compass bearings being recorded.

(2).

DISCREPANCIES

No discrepancies were found.

DANGERS

With the exception of a few off-lying rocks off Cape Uganik Light House and around the Noisy Islands the area is free of dangers. At Latitude $57^{\circ} - 56' - 405$ meters and Longitude $153^{\circ} - 33' - 545$ meters there is a rock which bares about 3 feet at M.L.L.W. The rock was touched with the survey launch and altho no sounding was obtained upon the rock itself, a sounding and position (pos. 15b) was taken 10 meters from the rock.

CHANNELS

The channel between Uganik Id. and the Noisy Ids. has a least depth of $7\frac{1}{2}$ fathoms and is used by the "Starr" and local vessels in entering Uganik Bay.

COMPARISON WITH PREVIOUS SURVEYS

Part of the work on the sheet is supplemental to Hydrographic Sheet # 2963. A comparison was made with the photostat copy of that sheet and no noticeable discrepancies were found.

GEOGRAPHIC NAMES

It is suggested that the channel between Uganik Id. and the Noisy Islands be called Noisy Channel (see Descriptive Report for Topographic Sheet # 2888a).

Respectfully submitted,

Clarence A. George.
Aid.

Hydrographic Sheet No. 10.

Notes by the Chief of Party:

A power driven sounding machine was used. The registering sheave was tested and found correct. ✓

Foul ground extends along the shore for a considerable distance to the southwest of Cape Uganik. There are many boulders and reef exposed at low tide. This foul ground extends as much as 200³⁰⁰ meters off shore. It is very difficult to land here if there is any swell. ✓

The hydrography in the vicinity of triangulation station YELLOW was done to fill in a gap in sheet H 2963. ✓

Cape Uganik Light is an unwatched acetylene light placed on a white box on the outer end of the high flat point which forms Cape Uganik. ✓

Cape Uganik should not be approached closer than one mile with a deep draft vessel, and the Noisy Islands should be given a berth of at least $\frac{1}{2}$ mile. ✓

NOISY ISLAND CHANNEL appears to be clear, but in the absence of wire drag surveys, it should be avoided by deep draft vessels. The mail steamer STARR drawing less than 14 feet has used this channel for a number of years. ✓

Respectfully submitted,

R. R. Lukens
R. R. Lukens.

List of Signals on Sheet, Field No. 10

Hydrographic name.	Location.
Be	Topographic signal, sheet 2888a.
Bed	" " " "
Bon	" " " "
-	Cape Uganik - Δ 1908.
-	Cloff - Δ 1929
Fee	Topographic signal, sheet 2888a
For	" " " "
Go	" " " "
Ho	" " " "
Hue	" " " "
Is	" " " "
Lad	" " " "
Light	" " " " (Uganik Lt. Ho.)
Let	" " " "
Lo	" " " "
My	" " " "
No	Noisy Island - Δ 1908
On	Topographic signal, sheet 2888a
Or	" " " E.
Out	" " " 2888a
Pie	" " " "
Pin	" " " "
Po	" " " "
Pit	" " " "
Pole	" " " "

List of Signals on Sheet, Field No. 10 (cont.)

Hydrographic name	Location.
Rap	Topographic signal, sheet 2888a
Ray	" " " "
# Ro	" " " "
Rok	" " " "
See	" " " "
So	" " " "
Tip	Hydrographic signal, plotted from Boat Sheet.
To	Topographic signal, sheet 2888a
Toy	" " " "
Win	Windy - Δ 1929
Yel	Yellow - Δ 1908
# Ref	Topographic signal, sheet 2888a (Reef off Δ Yellow)

Statistics for Sheet, Field No. 10.

Day	Vol.	St. Mi.	Sdgs.	No. Pos.
a	I	23.0	513	115
b	II	23.5	401	141
c	I&II	6.3	218	44
		<hr/>	<hr/>	<hr/>
		52.8	1132	300

-lcm

Section of Field Records. **January 25, 1930.**

Division of Hydrography and Topography:

Division of Charts:

Tide Reducers are approved in
volumes of sounding records for

4034
HYDROGRAPHIC SHEET

Locality: **Hodiak Island (Cape Ugalik - Noisy Island) Alaska**

Chief of Party: **R. R. Lukens in 1929**
Place of reference is **mean lower low water, reading**
Uyak
ft. on tide staff at
ft. below B. M.

Condition of records satisfactory except as checked below:

1. Locality and sublocality of survey omitted.
2. Month and day of month omitted.
3. Time meridian not given at beginning of day's work.
4. Time (whether A.M. or P.M.) not given at beginning of day's work.
5. Soundings (whether in feet or fathoms) not clearly shown in record.
6. Leadline correction entered in wrong column.
7. Field reductions entered in "Office" column.
8. Location of tide gauge not given at beginning of day's work.
9. Leadline corrections not clearly stated.
10. Kind of sounding tube used not stated.
11. Sounding tube No. entered in column of "Soundings" instead of "Remarks".
12. Legibility of record could be improved.
13. Remarks.

Chief, Division of Tides and Currents.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

WASHINGTON

March 21, 1930.

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 4934

Cape Uganik to Uganik Island, Kodiak Island, Alaska

Surveyed in 1929

Instructions dated March 14, 1929

Chief of Party, R. R. Lukens

Surveyed by C. A. Egnor

Protracted and soundings plotted by C. A. George

Verified and inked by G. C. McGlasson

1. The records conform to the requirements of the Hydrographic Manual.
2. The character and extent of the survey satisfy the specific instructions.
3. The usual depth curves could be drawn except in the vicinity of the Noisy Islands where the bottom is foul and a survey to completely develop the depth curves would hardly be justifiable. The channel between the two Noisy Islands should be further developed if sufficiently important. It is not considered necessary to develop the curves off the northern end of Noisy Islands in view of the rock awash located close to the 10 fathom curve.
4. The junction with H. 4923 on the north is satisfactory.

The junction with the old survey, H. 2963, is adequate. A comparison was made where the surveys overlap and no discrepancies noted. Therefore wherever necessary the old work can supplement the new.

The junction with the offshore survey will be considered when that sheet is reviewed.

5. No additional work is considered necessary, but attention is called to the 24 fathom shoaling in the vicinity of Lat. 57° 55' 480 m., Long. 153° 35' 270 m. and to the area mentioned in Paragraph 3, above.

6. Reviewed by A. L. Shalowitz, March 1930.

Approved:

A. M. Solieralski
Chief, Section of Field Records (Charts)

J. S. Borden
Chief, Section of Field Work (H. & T.)

Section of Field Records

● Sheet No - 4934.

Surveyed in - 1929

Chief of Party - R.R. Lukens.

Surveyed by - C.A. Egner

Protracted by - C.A. George

Soundings Plotted by - C.A. George

Verified and Inked by - S.C. M^cClisson

1. The records conform to the requirements of the general instructions.
2. The plan and character of development fulfill the requirements of the general instructions.
3. The usual depth curves can be completely drawn within the limits of the sheet.
4. The field plotting was completed to the extent prescribed in general instructions.
5. The office draftsman did not have to do over any part of drafting done by field party, except as noted on the statistic sheet.
6. An examination of the contemporary adjacent sheets will be made when those sheets are verified.

Respectfully submitted,

S.C. M^cClisson

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

DEC 11 1929
Acc. No.

REG. NO. 4934

HYDROGRAPHIC TITLE SHEET

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

Field No. 10.

REGISTER NO. 4934

State ~~South West~~ Alaska.

General locality Kodiak Island.

Locality: Cape Uganik - Uganik Island.

Scale 1:20 000 Date of survey June - July, 1929.

Vessel Motor Sailer Str. Surveyor.

Chief of Party R.B. Lukens.

Surveyed by C.A. Egner.

Protracted by C.A. George.

Soundings penciled by C.A.G.

Soundings in fathoms ~~fms~~

Plane of reference M.L.L.W. at Uyak.

Subdivision of wire dragged areas by

Inked by

Verified by

Instructions dated March 14, 1929.

Remarks:

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