DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

State: ALASKA

DESCRIPTIVE REPORT.

TOPO Sheet No. N. 4479

LOCALITY:

HARVESTER IS AND EAST SHORE, UYAK BAY

KODIAK ISLAND

Chief of Party:

R.R. Lukens

JAN 29 1930

Acc. No.
DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET #N.

HARVESTER ID. AND WEST SHORE OF UYAK BAY.
SR. SURVEYOR  R.R. LUKEKS, CHD.
ORDERS DATED  MARCH 14, 1929

PURPOSE OF SURVEY: This sheet is a resurvey of this area. It was executed primarily to locate signals for use by the hydrographic party. The eastern shoreline of Harvester Id. was resurveyed in detail, in compliance with the season's instructions. Contours were drawn to fill in areas previously omitted, and were extended back to make proper junction with the old work.

GENERAL DESCRIPTION: Harvester Id. is mountainous and grass-covered. The shoreline is bordered by steep rocky cliffs, except for the low area and sand spit at the southern end. On the eastern shore, these cliffs are about 40 feet high from 0Fox to 0Fox. From 0Fox to 0Ho they range from 60 to 150 feet high. There are many reefs fringing the shore, as indicated on the sheet. The spit extending from the southern tip of Harvester Id. to the lighted dolphin (Red) bars about 2 feet at low-tide.

On the mainland, the terrain is mountainous, with easy slopes, except for the shoreline, which is steep and bluff-bound in many places. The upper slopes of the hills are grass-covered; the lower slopes and the valleys are filled with a dense growth of alder-brush and salmon-berry brambles. Flowers blossom in profusion on the hillsides during the summer.

A sandy beach extends from Uyak to 0Ho. Low bluff points about 15 ft. high alternate with sand beaches, from 0Ho to 0Newt. At 0Newt, rocky ledges extend from the point. From 0Newt to 0Rap, the shore consists of steep rock bluffs 60 to 100 feet high. Pebble and shingle beaches border the bluffs. The beach consists of large boulders and rocks from 0Gil to 0Rap. Between 0Rap and 0Ho the bluffs recede, and a valley terminates at the shore. From 0Ho southward the bluffs are steep, averaging about 100 feet in height. This cliff line is bordered by a shingle beach. A conspicuous waterfall empties into the little bay south of 0Ake.

A ledge, about one mile long, is reported to lie about one mile inland from 0K. It is indicated on the sheet with dotted lines for it was not surveyed.

ROCKS: Cormorant Rock is the only offlying rock in the area surveyed. It lies about 1/6 of a mile offshore, south of the entrance to Uyak Harbor. It bars at ebb tide. Aelp-patch surrounds the rock.

Numerous inshore rocks fringe the eastern coast of Harvester Id., as indicated on the sheet.

SURVEY METHODS: A traverse was run from 0Fox to (just b.s.) When the spit was rounded, so that 0Bear Id. was visible, the cut to 0Bear Id. checked perfectly. Cuts to 0Rye and 0Plo were taken, as well as to the signals in Uyak Harbor. A traverse was run from 0Fox to 0Bussells. The closing error was 3 meters. The traverse was continued to 0Fox.

Cuts were taken on the signals on 0Bear Id. Setting up at 0Plo, and using the cut from 0Ton, the position of set-up was determined by resection on 0Bear Id. and on Harvester Id. A traverse was run along the shore to 0Tip, using the cuts as checks.
The shoreline between Uyak and A Stan was next surveyed. When this area was surveyed the sheet was contracted, averaging 13.5 meters per mile in a North and South direction, and 4.6 meters per mile in an East and West direction. First a traverse was run from Nger to the Uyak dock and southward to O Rus. Cuts on Cormorant Rock were taken from Tidal B.M., S.E. corner of Uyak dock, and O Newt. A traverse was then run from A Stan to O Rus. This junction at O Rus did not check by 20 meters. The traverse was rerun from A Stan to O Newt. After adjusting for distortion of the sheet the closure was 5 meters. This was distributed between O Rus and O Newt. Traverse were run southward from A Stan to O Fly and (on sheet "My Larsen Bay") northward from A Entrance to O Fly. After adjusting for distortion on sheet "G" the closure was 5 meters. This was adjusted between O Le and O Pin.

The magnetic meridian was omitted, thru oversight.

Contours. The contours west of Uyak Harbor were obtained by plane-table cuts from O Newt, Cormorant Rock, Rex, and O Flo. No plane-table cuts to points inshore could be taken from the shoreline between O Newt and O Fly. The contours south of Uyak, therefore, were obtained by sextant cuts from a launch laying-to at positions about one mile offshore.

COMPARISON WITH OLD SURVEY (Sheet 2892) The dock at the south end of Harvester Id, and the dock 3/8 mile south of Uyak canneroy dock are no longer in existence.

The black stack (Ty) near the southwest end of the canneroy building at Uyak is not shown on the old survey. It is conspicuous and it is recommended that it be placed on the harbor chart (No. 5622). Otherwise the dock and buildings are practically the same as shown on the old survey.

The shoreline of the present survey south of Uyak from O Gab to O Lew does not check that of the old survey. The position of Cormorant Rock also differs by about 25 meters. Due to the small closing error of the traverse it is believed the present survey is correct, but this discrepancy was not detected until after leaving the field, so unfortunately the discrepancy was not checked in the field.

PHOTOGRAPHS A photograph by R.R. Lukenes of Uyak is attached to this report.

Approved
R.R. Lukenes

I.A. Hubbard
## PLANE TABLE POSITIONS

<table>
<thead>
<tr>
<th>OBJECT AND DESCRIPTION</th>
<th>LATITUDE</th>
<th>D.M.</th>
<th>LONGITUDE</th>
<th>D.P.</th>
<th>HEIGHT (approx)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RED, dolphin surmounted by red light</td>
<td>270-38'</td>
<td>215m</td>
<td>153-59'</td>
<td>949m</td>
<td>15'</td>
</tr>
<tr>
<td>TY, black stack at cannery</td>
<td>57-38</td>
<td>248</td>
<td>154-00'</td>
<td>394</td>
<td>50</td>
</tr>
<tr>
<td>GB, north gable, shed on beach</td>
<td>57-37</td>
<td>1556</td>
<td>154-00</td>
<td>310</td>
<td>15</td>
</tr>
<tr>
<td>CORMORANT ROCK, black rock, boring at 1/2 tide</td>
<td>57-37</td>
<td>1140</td>
<td>153-59</td>
<td>223</td>
<td>-07</td>
</tr>
<tr>
<td>ROB, vertical sided rock detached at high tide</td>
<td>57-37</td>
<td>264</td>
<td>153-59</td>
<td>133</td>
<td>15</td>
</tr>
<tr>
<td>RUS, conspicuous, vertical sided rock detached at high tide</td>
<td>57-36</td>
<td>1617</td>
<td>153-59</td>
<td>104</td>
<td>25</td>
</tr>
<tr>
<td>RAP, center of cabin on fish trap</td>
<td>57-35</td>
<td>779</td>
<td>153-59</td>
<td>210</td>
<td>15</td>
</tr>
<tr>
<td>WEL, cabin in valley north of mouth of stream</td>
<td>57-35</td>
<td>318</td>
<td>153-59</td>
<td>289</td>
<td>20</td>
</tr>
</tbody>
</table>

(1641) (1602) (300) (716) (1592) (239) (1077) (1538)
Photograph of Uyak Cannery and Dock. Taken by R.P. Lukens in August, 1929, at a position ½ mile E.S.E. of Uyak and facing N." (approximately in Lat 57°-38', Long. 154°-00')

View of Uyak Cannery from the hill directly behind it.
SUPERINTENDENT, U. S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted:

<table>
<thead>
<tr>
<th>Description</th>
<th>Position</th>
<th>Method of determination</th>
<th>Charts affected</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Latitude</td>
<td>Longitude</td>
<td></td>
</tr>
<tr>
<td></td>
<td>D. M.</td>
<td>D. F.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>meters</td>
<td>meters</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Datum</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(Ty)

Black stack, Uyak cannery 57-38  248  184-00  294  Valdez Topographic 4828  $85.4^7$

A list of objects which are of sufficient prominence for use on the charts, together with a description of the same, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report. The selection, determination, and description of these points are of primary importance.

The description of each object should be short, but such as will identify it, for example, standpipe, water tower, church spire, tank, tall stack, red chimney, radio mast, etc. Generally, flagstaff and like objects are not sufficiently permanent to chart.
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 ... N ....

REGISTER NO. 4479

State.... Alaska... .................................................................

General locality.... Kodiak Island ........................................

Locality.... West Shore Uyak Bay, Harrington to Larsen Bay...

Scale.... 1:12,000.... Date of survey.... August, 1929

Vessel.... Str. SHERWOOD ..................................................

Chief of Party.... L. R. Latens ..............................................

Surveyed by.... L. S. Hubbard ..............................................

Inked by.... L. S. Hubbard ..................................................

Heights in feet above... M.N. to ground... 104405.765

Contour. Approximate contour. Form line interval. 100 feet

Instructions dated.... March 14, 1929

Remarks: ...........................................................................