Form 504

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: Alaska

DESCRIPTIVE REPORT
Topographic Sheet No. 4284
Hydrographic

LOCALITY
Resurrection Bay
Kenai Peninsula
Seward Waterfront

1927

CHIEF OF PARTY
R. R. Lukens
Form 504
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State: S. W. Alaska

DESCRIPTIVE REPORT.

Topographic Sheet No. 4284

LOCALITY:
Resurrection Bay
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CHIEF OF PARTY:
R. R. Lukens
Applicant inserted on Oct 55-7 - Feb 19, 40. F. H.
Descriptive Report to Accompany Topo. Sheet # P

This revision survey of Seward waterfront was made by the party on the Launch Wildcat during the week of Sept. 13 -24, 1927. The work was executed in accordance with Instructions issued to the Commanding Officer of the Str. SURVEYOR, dated February 3rd, 1927.

General Description. This survey was extended beyond the limits called for in the instructions in order to show important new details in the vicinity of the radio station and changes in the shore-line in the vicinity of Lowell Point and Fourth-of-July Creek. There appeared to be no changes between the radio station and Fourth-of-July Creek, so this area was not resurveyed.

Survey Methods. The survey was well controlled throughout by a combination of traverse and three point fix. The old shoreline was transferred from Chart # 8538 to the topographic sheet and the survey was continued until a reasonable check with this shoreline was found. In the vicinity of Seward, the ends of the streets were located by topographic methods and the rest of the streets filled in from the city map. This city map was checked in the field and all streets eliminated that do not exist at present. The contours, as shown on the chart, appear to be correct, and no attempt was made to check them up. The low water line in most places was determined by the hydrographic party and were transferred to the topographic sheet.

Land marks. These are nearly all sufficiently described on the topographic sheet. The aeroplane landing at the radio station is marked at each corner by white boards lying on the ground. The wind indicator shows the direction of the wind from aloft. Some additional buildings were also located on the eastern shore of the bay.

Changes in Shoreline. In the vicinity of Seward, the principal changes are of an artificial nature, the shoreline remaining about the same as at the former survey. At West Base, the shore-line has receded leaving the station about 10 meters outside the High Water Line. The station could not be found though its location was determined in the field by topography and a careful search was made. Station East Base has been covered by the houses at the radio station. The shoreline has built out in the vicinity of Resurrection River, but the low water line appears to remain nearly constant. It would also
appear by comparison with the chart, that the ground near the radio
Station is becoming more solid and less marshy, though golf players
would find boots or rubbers a convenience.

At Fourth-of-July Creek, both the high and low water lines
have built out extensively. The shallow lagoon on the southern side
of this point is used by loggers in floating out logs. The low water
line at Lowell Point has built out considerably, although the sound-
ings close off shore show little change in depth.

New Place Names. The railroad, formerly known as the Alaska
Central, is now called the Alaska Railroad.
Lowell Creek and Fourth-of-July Creek are well established
names locally.
Resurrection Creek and Hooligan Creek are names used by the
local Fish Warden. The name Resurrection River is not well estab-
lished.

Respectfully submitted,

[signature]

Wm. D. Patterson
Hyd. & Geol. Eng.
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<th>D.M.</th>
<th>Long.</th>
<th>D.P.</th>
<th>Height</th>
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<td>East Cable</td>
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**PLANE TABLE POSITIONS**

Shut P. Seward 1927
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 No.  F

REGISTER NO.  4284

State  S. W. Alaska

General locality  Resurrection Bay, Kenai Peninsula

Locality  Seward Waterfront

Scale  1:10,000  Date of survey  Sept. 18 - 21, 1927

Vessel  Str. Surveyor

Chief of Party  R. R. Lukens

Surveyed by  W. D. Patterson

Inked by  W. D. Patterson

Heights in feet above—— to ground to tops of trees

Contour, Approximate contour, Form line interval—— feet

Instructions dated  February 3rd, 1927

Remarks:

GPO

REG. NO.

4284