**U. S. COAST AND GEODETIC SURVEY**  
**DEPARTMENT OF COMMERCE**

**DESCRIPTIVE REPORT**

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Topographic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No.</td>
<td>Bo-A#56</td>
</tr>
<tr>
<td>Office No.</td>
<td>T6988</td>
</tr>
</tbody>
</table>

**LOCALITY**

<table>
<thead>
<tr>
<th>State</th>
<th>Alaska</th>
</tr>
</thead>
<tbody>
<tr>
<td>General locality</td>
<td>Prince William Sound</td>
</tr>
<tr>
<td>Locality</td>
<td>Whittier</td>
</tr>
</tbody>
</table>

**19/56**

**CHIEF OF PARTY**

| Curtis Le Fever |

**LIBRARY & ARCHIVES**

<table>
<thead>
<tr>
<th>Date</th>
<th>October 29, 1957</th>
</tr>
</thead>
</table>
Each Plane Table and Graphic Control Sheet should be accompanied by this form, completed so far as practicable, when forwarded to the Washington Office.

**State**  
Alaska

**General Locality**  
Prince William Sound

**Locality**  
Whittier

**Scale**  
1:5000

**Date of Survey**  
June 1956

**Vessel**  
Ship BOWIE

**Chief of Party**  
Curtis Le Fever

**Surveyed by**  
J. Frank May, Jr.

**Inked by**  
J. Frank May, Jr.

Heights in feet above MHW or [ ] to ground  [ ] to tops of trees

**Contour**  
Approximate Contour

**Form Line Interval**  
[ ] Feet

**Project Number**  
12770

**Remarks**  

12136
DESCRIPTIVE REPORT
to accompany
TOPOGRAPHIC SHEET BO-1-56

Project: 12770
Ship BOVIE

Curtis Le Fever
Chief of Party

Detailed topographic survey of the marginal wharf, DeLong Pier, shoreline and other dock areas of Port of Whittier. Graphic control for hydrographic survey was accomplished on this sheet to accompany stations established by triangulation.

A. PROJECT:

This survey is to give a detailed topographic survey for the Whittier Dock area, required by the Director's letter dated 7 May 1956, 22/MEK, S-2-E0, Project 1277.

B. SURVEY LIMITS AND DATES:

Survey BO-1-56 covers the shoreline area between Longitudes 148° 38' 55" and 148° 41' 20". Field work was done during the month of June.

C. CONTROL:

Control for this survey was furnished by existing triangulation and triangulation established by this party.

D. SURVEY METHODS:

The survey was accomplished by three closed Plantable traverses. First traverse was run between stations UNION 1948 and MARGIN, 1956. Second, PUNT, 1956 to MARGIN, 1956 and third, between stations PUNT, 1956 and Put. All traverses were within the allowable closing error. Points such as hydro signs, high water line, and corners of docks and piers were located by means of rod readings.

E. MISCELLANEOUS:

Blueprints were obtained from the Corp of Engineers, Whittier of the General Plans and docking facilities of Port of Whittier and will accompany this report. Landmark VENT and daybeacons, DAY and HRA were located by triangulation and will be submitted with the triangulation. Recovery notes for triangulation will be mailed to Washington.

* No record of such landmark found. JWE Vol. 4

Respectfully submitted:

J. Frank May, Jr.
Ensign, CGS

APPROVED:

Fred Matella
for Curtis Le Fever
Chief of Party
Bob
Go
Fat
Hat
Gin
Kel
Net
Nel
Lad
Fox
Fig
Mid
Bad
Tip
End
Hag

TRIANGULATION USED

DUG 2, 1948
FALL, 1913
WHITTIER COLUMBIA LUMBER CO. WEST STACK, 1948
UNION, 1948
MARGIN, 1956
PUNT, 1956
PUT, 1956 (n.m.)
WHITTIER, GREEN WATERTANK, 1948
1. Basic control for this planetable survey was triangulation established by H. A. Karo, 1948 and Curtis LeFever, 1956.

2. This survey falls within the area of the unreviewed photogrammetric survey T-9131 (1949), 1:20,000 scale. Since the date of T-9131 extensive artificial changes have been made in the area of the present survey, principally the Delong Pier, replacing the former Army pier, and the new Marginal Wharf. The shoreline at the eastern limit of the present survey and the two piers at its western limit are in good agreement with the prior survey. Rock information near the eastern limit of this survey has been carried forward from T-9131 and with that addition the present survey is adequate to supersede T-9131 for shoreline and offshore details within its limits.

3. The present survey falls within the area of prior topographic survey T-3404 (1913), 1:10,000, and T-7073a (1948), 1:10,000. Since the date of T-3404 the shoreline covered by the present survey has been altered quite
extensively by the construction of piers and wharves. T-7073a was primarily graphic control and in the present survey area shows only the Union Oil pier and the former Army pier. The present survey shows an extension (added in 1953) on the former and an entirely new installation replacing the latter. The present survey is adequate to supersede these prior surveys in the common areas.

4. The present survey has been applied to Chart 8521 (print date 12/23/57).
## Nautical Charts Branch

### Survey No. T. 6988

**Record of Application to Charts**

<table>
<thead>
<tr>
<th>Date</th>
<th>Chart</th>
<th>Cartographer</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-17-57</td>
<td>8521</td>
<td>R.K.D</td>
<td>Before &amp; After Verification and Review</td>
</tr>
<tr>
<td>9-2-58</td>
<td>8517</td>
<td>R.F.E.</td>
<td>Before After Verification and Review</td>
</tr>
</tbody>
</table>

*Note: A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.*