FORM 504
U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

CLASS III Map
Type of Survey SHORELINE (PHOTOGRAMMETRIC)

Field No. PH-6013 Office No. T-12004

LOCALITY
State ALASKA
General locality KNIK ARM
Locality S. OF EAGLE BAY

1960
CHIEF OF PARTY
Portland
P. A. STARK, PHOTOGRAMMETRIC OFFICE

LIBRARY & ARCHIVES

DATE

A SECOND EDITION OF THIS MAP IS REGISTERED
**DESCRIPTIVE REPORT - DATA RECORD**

**PROJECT NO. (II):**

PH-6013

**FIELD OFFICE (II):**

CHIEF OF PARTY

**PHOTOGRAHMETRIC OFFICE (III):**

PORTLAND, OREGON

**OFFICER-IN-CHARGE:**

P. A. Stark

**INSTRUCTIONS DATED (III):**

- January 17, 1963 Supplement No. 1
- April 1, 1964 Supplement No. 2
- See LTR. Dated April 14, 1964 6320
- April 17, 1964 Amendment 1, Supplement No. 2

**METHOD OF COMPILATION (III):**

Keogh Instrument

**MANUSCRIPT SCALE (III):**

1:10,000

**STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):**

1:6000

**PANTOGRAPH SCALE:**

1:10,000

**DATE RECEIVED IN WASHINGTON OFFICE (IV):**

Jan. 25, 1980

**DATE REPORTED TO NAUTICAL CHART BRANCH (IV):**

Feb. 1980

**APPLIED TO CHART NO.**

**DATE:**

**DATE REGISTERED (IV):**

June 1980

**GEOGRAPHIC DATUM (III):**

N.A. 1927

**VERTICAL DATUM (III):**

Mean sea level except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (3) refer to sounding datum
i.e., mean low water or mean lower low water

**REFERENCE STATION (III):**

There is no control station located in the area of this manuscript.

**LAT.:**

**LONG.:**

- [ ] ADJUSTED
- [ ] UNADJUSTED

**PLANE COORDINATES (IV):**

<table>
<thead>
<tr>
<th>Y</th>
<th>X</th>
</tr>
</thead>
</table>

**STATE NO.**

**ZONE**

Roman numerals indicate whether the item is to be entered by (II) field party, (III) Photogrammetric Office, or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.
### DESCRIPTIVE REPORT - DATA RECORD

**T-12004**

**FIELD INSPECTION BY (III):**

None

**DATE:**

**MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):**

By KELSH INSTRUMENT (8/30/60 Date of photography)

No MLLW line has been compiled on this map.

**PROJECTION AND GRIDS RULED BY (IV):**

A. E. Roundtree

**DATE:** 4-21-64

**PROJECTION AND GRIDS CHECKED BY (IV):**

C. R. Johnson

**DATE:** 4-21-64

**CONTROL PLOTTED BY (III):**

J. L. Harris

**DATE:** 5-9-64

**CONTROL CHECKED BY (III):**

L. F. Beugnet

**DATE:** 5-9-64

**RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):**

J. D. Perrone, Jr.

**DATE:** Feb. 1964

**STEREOSCOPIC INSTRUMENT COMPILATION (III):**

PLANIMETRY

D. N. Williams

**DATE:** 5-11-64

**CONTOURS:**

None

**DATE:**

**MANUSCRIPT Delineated by (III):**

**DATE:**

**DRAFTING FOR HYDRO SUPPORT:**

J. L. Harris

**DATE:** 5-13-64

**SCRIBING BY (III):**

None

**DATE:**

**PHOTOGRAMMETRIC OFFICE REVIEW BY (III):**

J. L. Harris

**DATE:** 5-13-64

**REMARKS:**
### DESCRIBITIVE REPORT - DATA RECORD

**T-12004**

**CAMERA (KIND OR SOURCE) (III):**

C&GS SINGLE LENS "W"

<table>
<thead>
<tr>
<th>NUMBER</th>
<th>DATE</th>
<th>TIME</th>
<th>SCALE</th>
<th>STAGE OF TIDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>60 W 1232 &amp; 1233</td>
<td>8-30-60</td>
<td>09:40</td>
<td>1:30,000</td>
<td>18.0' ABOVE M.L.L.W.</td>
</tr>
</tbody>
</table>

**PREDICTED TIDE TABLES**

#### TIDE (III)

<table>
<thead>
<tr>
<th>REFERENCE STATION:</th>
<th>Anchorage</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUBORDINATE STATION:</td>
<td></td>
</tr>
<tr>
<td>SUBORDINATE STATION:</td>
<td></td>
</tr>
<tr>
<td>WASHINGTON OFFICE REVIEW BY (IV):</td>
<td>E.L. Rolle</td>
</tr>
<tr>
<td>PROOF EDIT BY (IV):</td>
<td>E.L. Rolle</td>
</tr>
<tr>
<td>DATE:</td>
<td>Feb. 1980</td>
</tr>
<tr>
<td>DATE:</td>
<td>Feb. 1980</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RATIO OF RANGES</th>
<th>MEAN RANGE</th>
<th>DIURNAL SPRING RANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>28.7</td>
<td>29.6</td>
<td></td>
</tr>
</tbody>
</table>

| NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): | RECOVERED: 0 | IDENTIFIED: 0 |
| NUMBER OF BM(S) SEARCHED FOR (II): | None |
| NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): | None |
| NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): | None |

**REMARKS:**
SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORTS
T 12003 Thru T 12008, T 12015 and T 12016

This portion of Project Ph 6013 covers the Knik Arm portion of Cook Inlet, near Anchorage, Alaska from Point Woronzof Northeastery to Goose Creek including Eagle Bay.

Eight maps T12003-T12008, T12015, T12016 were included in this portion of project Ph 6013 all are at 1:10,000 scale. The purpose of these maps were to provide contemporary Shoreline support of hydrographic operations and to aid in chart revision.

Field work prior to compilation in the 1961 field season consisted of establishing Horizontal Control.

This area was flown in August 1960 with the "W" camera in black and white and in August 1961 with the "M" Camera in black and white at 1:40,000 scale.

Bridging was performed in the Washington Office; T12015, T12016 in January 1963, and T12003-T12008 in February 1964.

The maps were compiled at the Portland office from February 1963 to May 1964.

Field edit was performed for sheets T 12015, T 12016 in August 1963 and applied in October 1963. Limited field edit was performed for T-12004, T12005, and T 12008 in July 1965 but was never applied. Manuscripts T-12003, T12006, T12007 never had any field edit performed. The field edit was considered "cancelled" because of the earthquake on March 27, 1964 affecting all of this Knik-Arm area. This area has been re-mapped as project CM-7310 KNIK-ARM, Anchorage, Alaska.

Final Review was performed at AMC in January, 1979. T 12015 and T12016 were forwarded to the Washington Science Center for final Registration. T12003-T12008 were forwarded to the Washington Science Center to be registered as CLASS III manuscripts. All pertinent data (Archive Material) will remain with Ph 6013 and the completion report will be submitted upon completion of the entire project. See letter dated March 8, 1977 in the back of this Descriptive Report.
FIELD INSPECTION REPORT
Map Manuscript T-12004

Project 21035 PH-6013

Refer to the Field Inspection Report by Robert E. Williams for Project SF-1-61, 1961, included with the Descriptive Report for T-12507.
FIELD INSPECTION REPORT

COOK INLET, ALASKA

PROJECT SP-1-61 1961

USC&GS Ship PATHFINDER  Arthur L. Wardwell, CAPT., Comdg.

MANUSCRIPTS:
12049, 12046, 12045, 12040, 12031, 12032, 12026, 12027, 12028,
12020, 12021, 12022, 12023, 12024, 12025, 12026, 12049, 12050,
12051, 12052, 12053, 12054, 12055, 12056, 12057, 12058, 12059,
12060, 12061, 12062, 12063, 12064, 12065, 12066, 12067, 12068,
12069, 12070, 12071, 12072, 12073, 12074, 12075, 12076, 12077,
12078, 12079, 12080, 12081, 12082, 12083, 12084, 12085, 12086,
12087, 12088, 12089, 12090, 12091, 12092, 12093, 12094, 12095,
12096, 12097, 12098, 12099, 12100, 12101, 12102, 12103, 12104,
12105, 12106, 12107, 12108, 12109, 12110, 12111, 12112, 12113,
12114, 12115, 12116, 12117, 12118, 12119, 12120, 12121, 12122,
12123, 12124, 12125, 12126, 12127, 12128, 12129, 12130, 12131,
12132, 12133, 12134, 12135, 12136

AERIAL FIELD INSPECTION:
Areas inspected were as follows: Manuscripts No. 12049, 12046,
12045, 12040, Kenai to Boulder Point, all shoreline and alongshore features.
Balance of above listed manuscripts were used only for horizontal
control identification.

The area is primarily moderately timbered with spruce, fir, alder and
bear claw above the mean high water line. Shoreline varies from fine
black silt at the mouth of the Kenai River mouth to large fragmented
boulders at Boulder Point. Most of the beachline is sand and shingle interspersed
with boulders of varying sizes. Numerous underground springs and
some small creeks discharge small quantities of silt and water and are subject to constant change.
The area was inspected by cruising alongshore by launch and by walking
the beach and bluff line. Foul areas now indicated on Chart No. 8553 are adequate. Two primary foul areas were noted as follows:
Kenai River Mouth
East Foreland to Moose Point

Quality of photographs was excellent. Areas of shadow were limited
to the shoreline east of East Foreland and upper Knik Arm. No attempt was
made to sketch in the mean high water line. Enough open areas in shadowed
areas are available to adequately delineate mean high water line.

HORIZONTAL CONTROL:
Four additional second-order triangulation stations were established
between Kenai and East Foreland to supplement existing control in the area
of hydrography. They were identified as follows:

AUDRY 1961  Manuscript No. 12049  Photo No. 12001
LOUISE 1961  "  12045  "  12002
BOO 1961  "  12045  "  12003

* Map # 12017 Cancelled — Memo dated 3/8/77
Additional horizontal control recovery was made in upper Cook Inlet in accordance with project instructions. All stations were searched for and approximately 75 percent were recovered. Most of the stations not recovered are considered lost. It is recommended that the next vessel assigned to this project be given a Tellurometer. Simple traverse between recovered triangulation stations would adequately control presently un-controlled flight lines.

In many cases the listed triangulation station was not recovered and a U.S. Engineers’ triangulation station was used as a substitute. It appears that the U.S. Engineers could not recover listed C&GS control and substituted their own stations.

Great assistance was rendered by the 5040 Air Transport Squadron at Elmendorf AFB in furnishing helicopter service. Three days of flying enabled personnel to cover shoreline control stations over the greater part of upper Cook Inlet.

If additional control is required in the vicinity of Elmendorf AFB, use can be made of triangulation now being observed by a C&GS geodetic party. Triangulation station DORF 1961 (in the vicinity of LOOP 2) is to be set in the roof of a building on the base. By use of the description written by the observing party, an accurate office identification can be made.

Triangulation not plotted on the Photo Index was identified where it was on photographs. This control was established by G.W.M. in 1959 and H.G.C. in 1960.

VERTICAL CONTROL:
None recovered or established.

CONTOURS AND DRAINAGE:
No contouring was attempted.

Primary drainage features are the Kenai, Matanuska, Little Susitna, Susitna, Beluga, Kustian, and Drift Rivers. Tidal sweep keeps some of the rivers from building up deltaic features. An extremely flat foreshore on the Matanuska, Little Susitna, Susitna and Beluga rivers give rise to wide deltas that change seasonally. Many small streams discharge around Cook Inlet but have no apparent seasonal change.

WOODLAND COVER:
The major portion of the area is wooded and interspersed with muskeg and open grassy areas. These are easily identifiable on the photographs. In areas of increasing cultural activity, the woodland cover is being removed. No attempt was made to indicate these areas.

SHORELINE AND ALOONGSHORE FEATURES:
The mean high water line is adequately delineated on manuscripts 12049, 12045, 12045, 12040. In the area of photo hydro signals IVY and EGG, east of East Foreland, the mean high water line is as follows:

IVY 30 meters inside MHW
EGG on piles at MHW
Most of the shoreline signals are located at MHW along the beach. Many of the fishing huts set on piles at the base of the bluff were used as signals.

No attempt was made to delineate the low water line. Hydrography in the area should be satisfactory.

The foreshore area is primarily sand, small stones and boulders. The normal gradation from stones at MHW to sand at MLW exists in all areas, except south of the Kenai River. In this area a heavy layer of silt is found in the tide zone.

OFFSHORE FEATURES:
All offshore features are located by the hydrographer.

LANDMARKS AND AIDS:
There are two fixed aids to navigation within the limits of the hydrographic project:

EAST FORELAND LIGHT
KENAI RIVER ENTRANCE RANGE

Both are located on Chart No. 8553.

One floating aid is also located on Chart No. 8553. Another can buoy is maintained by the oil company and is located just north of the pier.

One landmark for charts is recommended in the Descriptive Report for SP-1-61. This landmark is identified as follows:
KENAI TANK 1959, located by G.W.H. and identified on Photo No. 6041400.

BOUNDARIES, MONUMENTS AND LINES:
None shown.

OTHER CONTROL:
Photo hydro signals were located in accordance with standard instructions. Signal IVY was found in error and relocated photogrammetrically, then verified by hydrographic cuts. Final location is shown on manuscript 12045.

Final location of photo hydro signals will remain in their relative position with the shoreline. Final compilation will cause a datum shift which will move both hydrography and signals the same relative amount.

DATUM DIFFERENCES:
Radial plotting of photo identified control stations was made in the field. The following discrepancies were noted between plot positions and geographic positions:

<table>
<thead>
<tr>
<th>Signal Name</th>
<th>Lat.</th>
<th>Long.</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAST FORELAND LIGHT 1960</td>
<td>-13.8</td>
<td>m</td>
</tr>
<tr>
<td></td>
<td>-75.4</td>
<td>m</td>
</tr>
<tr>
<td>BOULDER (USE)</td>
<td>-37.0</td>
<td>m</td>
</tr>
<tr>
<td></td>
<td>-45.2</td>
<td>m</td>
</tr>
<tr>
<td>KENAI CHURCH STEEPLE 1909</td>
<td>-15.3</td>
<td>m</td>
</tr>
<tr>
<td></td>
<td>-23.6</td>
<td>m</td>
</tr>
</tbody>
</table>
CULTURAL FEATURES:
Numerous fishing shacks are located along high water line in the area of hydrography. These huts are subject to damage by winter storms and are in a constant state of transition. No attempt was made to locate current huts.

The Nikiski Oil Pier was under construction at the time of photography. The completed dimensions are available from a blueprint of the structure submitted with descriptive report for Project SP-1-61.

Respectfully submitted,

Robert E. Williams,
Lieut. Comdr., CGS

Gerald C. Saladin
LTG, CGS

Arthur L. Wardwell
Captain, CGS
Comdg., Ship PATHFINDER
Area Covered

This report covers the area to the west and north of Anchorage, Alaska, and includes T-Sheets 12,000 thru 12,008, plus 12,015 and 12,016.

Method

Strips #1 and #2 were bridged on the stereoplanigraph and Strip #3 was bridged on the Mann Comparator. All three strips were adjusted by IBM methods. Pass points were drilled on plates by Pug method.

Strip #1 was adjusted on two triangulation stations plus points taken from a previous bridge in the area. Triangulation station Birch (USE) 1941 and its sub-station could not be held in the adjustment. No reason could be determined as to why it could not be held and it was dropped from the bridge. Despite errors of 8 to 9 feet in control the bridge is acceptable.

Strip #2 was adjusted on three triangulation stations with tie points from Strip #3 being used on the eastern end. In no instance could any 3 or more of the stations be held with each other and the results do not meet National Map Accuracy Standards for 1:10,000 scale charting since error of up to 1' in "Y" exist in the final bridge solution.

Strip #3 was adjusted using four control points, plus two pass points from Strip #1. Accuracy of this bridge is good. Tie points between Strips #1, #2 and #3 were meaned.

Adequacy of Control

The control recovered, complied with instructions. However, in practically every case the quality of the sub-stations left much to be desired. It is felt that these poor quality images were the cause of many problems during the bridging operations. In the cases of In 8 (BLM) and L-1A (BLM), sub-stations were identified but no azimuth or exact distance was given between the home station and its sub-station. Station Misery 3, SS-1 and SS-2 were very poor image points and could not be positively identified during the bridging. Station Low could be identified on Strip #3 but could not be seen on Strip #1. Station Whitney's sub points were very poor and no positive identification could be made during bridging operations.
24. **Supplemental Data**

In the cases of Strip #1 and Strip #2 old bridging data was used to help control the adjustments.

25. **Photography**

Photography in Strips #1, #2 and #3 was adequate in coverage overlap, definition and quality.

26. **Recommendations**

If smooth sheets are required for T-Sheets 12,000, 12,001, 12,002 and 12,006, re-identification of control should be performed and new C&C&S control should be provided where doubtful control exists.

Submitted by:

John D. Perrow, Jr.

Approved by:

E. H. Ramey
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR Y COORDINATE</th>
<th>LONGITUDE OR X COORDINATE</th>
<th>DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Ft. = 304.8006 meter)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No CONTROL STATIONS IN THIS AREA.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

COMPUTED BY: [Blank]

DATE: [Blank]

CHECKED BY: [Blank]

DATE: [Blank]
COMPILATION REPORT

Map Manuscript T-12004
Project 21035 PH-6012

Items 31 thru 38:
Refer to the Compilation Report for T-12007, bound with this Descriptive Report.

39. Junctions:
Satisfactory junctions were made with T-12005 to the east and with T-12008 to the south. Knik Arm is on the west and north.

40. Horizontal and Vertical Accuracy:
Horizontal control was adequate in both density and identification. Refer to Compilation Report T-12007 bound with this Descriptive Report.

Items 46 and 47:
Refer to the Compilation Report for T-12003.

Approved:
P. A. Stark
P. A. Stark, CDR, C&GS
Portland District Officer

Submitted:
James L. Harris
Cartographer
31. **DELINEATION:**

   The Kelsh stereoscopic Instrument was used for compilation without the benefit of Field Inspection.

32. **Control:**

   Horizontal Control was adequate in both density and Identification.

33. **SUPPLEMENTAL DATA:**

   No supplemental data was furnished for this project.

34. **CONTOURS AND DRAINAGE:**

   Contours are inapplicable. The drainage was compiled without benefit of Field Inspection but with reference to existing nautical charts.

35. **SHORELINE AND ALONGSHORE DETAILS:**

   Shoreline and Alongshore details were compiled without the benefit of field inspection.

36. **OFFSHORE DETAILS:**

   Rocks offshore were office identified stereoscopically.

37. **LANDMARKS AND AIDS:**

   None.

38. **CONTROL FOR FUTURE SURVEYS:**

   None.
48. **Geographic Name List:**

No geographic names sheet was furnished for this area. The only name shown on this manuscript was taken from the U.S.G.S. quadrangle.

Knik Arm
49. Notes for the Hydrographer:

None.
<table>
<thead>
<tr>
<th>1. PROJECTION AND GRIDS</th>
<th>2. TITLE</th>
<th>3. MANUSCRIPT NUMBERS</th>
<th>4. MANUSCRIPT SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**CONTROL STATIONS**

<table>
<thead>
<tr>
<th>5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY</th>
<th>6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations)</th>
<th>7. PHOTO HYDRO STATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>8. BENCH MARKS</th>
<th>9. PLOTTING OF SEXTANT FIXES</th>
<th>10. PHOTOGRAMMETRIC PLOT REPORT</th>
<th>11. DETAIL POINTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td></td>
<td>None</td>
</tr>
</tbody>
</table>

**ALONGSHORE AREAS (Nautical Chart Date)**

<table>
<thead>
<tr>
<th>12. SHORELINE</th>
<th>13. LOW-WATER LINE</th>
<th>14. ROCKS, SHOALS, ETC.</th>
<th>15. BRIDGES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>None</td>
<td></td>
<td>None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>16. AIDS TO NAVIGATION</th>
<th>17. LANDMARKS</th>
<th>18. OTHER ALONGSHORE PHYSICAL FEATURES</th>
<th>19. OTHER ALONGSHORE CULTURAL FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**PHYSICAL FEATURES**

<table>
<thead>
<tr>
<th>20. WATER FEATURES</th>
<th>21. NATURAL GROUND COVER</th>
<th>22. PLANETARY CONTOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

**CULTURAL FEATURES**

<table>
<thead>
<tr>
<th>23. STEREOSCOPIC INSTRUMENT CONTOURS</th>
<th>24. CONTOURS IN GENERAL</th>
<th>25. SPOT ELEVATIONS</th>
<th>26. OTHER PHYSICAL FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Applicable</td>
<td>None</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>27. ROADS</th>
<th>28. BUILDINGS</th>
<th>29. RAILROADS</th>
<th>30. OTHER CULTURAL FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

**BOUNDARIES**

<table>
<thead>
<tr>
<th>31. BOUNDARY LINES</th>
<th>32. PUBLIC LAND LINES</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

**MISCELLANEOUS**

<table>
<thead>
<tr>
<th>33. GEOGRAPHIC NAMES</th>
<th>34. JUNCTIONS</th>
<th>35. LEGIBILITY OF THE MANUSCRIPT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>36. DISCREPANCY OVERLAY</th>
<th>37. DESCRIPTIVE REPORT</th>
<th>38. FIELD INSPECTION PHOTOGRAPHS</th>
<th>39. FORMS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**REVIEWER**

<table>
<thead>
<tr>
<th>REVIEWER</th>
<th>SUPERVISOR, REVIEW SECTION OR UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>J. L. Harris</td>
<td>L. F. Beugnet</td>
</tr>
</tbody>
</table>

**REMARKS (See attached sheet)**

**FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT**

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

**COMPILER**

---

43. REMARKS
FIELD EDIT REPORT
PROJECT 2455  PH-G13
Sheets T-12004, T-12005 and T-12008

Field edit for these sheets was accomplished on 7 and 8 July 1965.

An attempt was made to edit these sheets by truck from the shore side but
the area is restricted and roads are few and in poor repair. Only a small
portion is accessible by vehicle.

On 8 July a Cessna 172 aircraft was chartered to make a low level flight
along the shore line. The majority of the edit was accomplished in this fashion.

The only information added was the heights of bluffs, the classification
of the Eagle River Flats, and the existence of mud flats along shore and in
mid channel off Eagle Creek and a small shoreline change in the vicinity
of a slide.

John C. Lajoye

John C. Lajoye
REVIEW REPORT T - 12004
SHORELINE
January 6, 1979

61. GENERAL STATEMENT:

See Summary, which is page 6 of the Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Not applicable.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with verified copy of H 9439 (1974). As expected, there is a conflict with the MHWL position since this manuscript was compiled prior to the March 1964 earthquake.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 16660 scale 1:194,154 19th Ed. September 10/77 and Chart 16664 scale 1:40,000 16th Ed. May 28/77. As expected the position of the MHWL differs since this map was compiled prior to the earthquake of March 1964.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with Project instructions, and meets the requirements for Bureau Standards and National Standards of Map Accuracy.

Submitted by: Jim Byrd

Approved for forwarding:

Chief Photogrammetric Branch, AMC

Approved:

Chancellor
Chief Photogrammetric Branch

Chief, Coastal Mapping Division
Photogrammetry
March 8, 1977

TO: Chief, Photogrammetric Branch, C342
    Rockville, Maryland
    Chief, Photogrammetric Branch, CAM52
    Norfolk, Virginia

FROM: James Collins
    Chief, Coastal Mapping Division

SUBJECT: Job PH-6013

Cancel map T-12017. No record of original compilation, if compiled, can be found. Reassign this map to CM-7310 as a first edition.

Cancel map T-12049(2) as this area is covered by larger scale maps.

Complete the final review of maps T-12003, T-12004, T-12005, T-12006, T-12007, T-12008, T-12015, and T-12016 and forward for registration. No chart maintenance prints required.

Retain all Archive material with remainder of the job. Job completion report to be submitted only upon completion of entire project.

cc:
C344
C3442
CAM521