**DESCRIPTIVE REPORT**

**Type of Survey**
SHORELINE (PHOTOGRAHMETRIC)

**Field No.** Ph-6012  **Office No.** T-11911

**LOCALITY**

<table>
<thead>
<tr>
<th>State</th>
<th>Hawaii</th>
</tr>
</thead>
<tbody>
<tr>
<td>General locality</td>
<td>Maui Island</td>
</tr>
<tr>
<td>Locality</td>
<td>Hana</td>
</tr>
</tbody>
</table>

**1960 - 1962**

**CHIEF OF PARTY**
H. J. Seaborg, Honolulu District Office
W. E. Randall, Baltimore District Office

**LIBRARY & ARCHIVES**

**DATE**

---

**USCOM-DC 5087**
DESCRIPTIVE REPORT - DATA RECORD

T -11911

PROJECT NO. (III):
PH 6012

FIELD OFFICE (III):
Honolulu, Hawaii

CHIEF OF PARTY
H. J. Seaborg

PHOTOGRAMMETRIC OFFICE (III):
Baltimore, Maryland

OFFICER-IN-CHARGE
W. E. Randall

INSTRUCTIONS DATED (II) (III):
14 November 1960
28 November 1960
13 June 1961
16 January 1962

METHOD OF COMPILATION (III):
Kelsh Plotter

MANUSCRIPT SCALE (III):
1:5,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):
1:5,000

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

GEOMETRIC DATUM (III):
Old Hawaiian

VERTICAL DATUM (III):

MEAN SEA LEVEL EXCEPT AS FOLLOWS:
Elevations shown as (3) refer to mean high water
Elevations shown as (5) refer to sounding datum
i.e., mean low water or mean lower low water

REFERENCE STATION (III):
KAUKI (HOS) (HTS-1929), 1878

LAT.: 20° 45' 26.780"

LONG.: 155° 59' 03.889"

ADJUSTED

UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

Hawaii

2

154,524.71

733,096.95

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

**Field Inspection by (III):**

- J. C. Lajoya

**Date:**

- March 1962

**Mean High Water Location (III) (State Date and Method of Location):**

Mean high water located by Kelsh Plotter using photography of October 1960 supplemented by 1960 color and 1962 panchromatic photography.

**Projection and Grids Ruled by (IV):**

- R.A.C.

**Date:**

- 11-30-60

**Projection and Grids Checked by (IV):**

- J.D.C.

**Date:**

- 12-6-60

**Control Plotted by (III):**

- L. A. Senasack

**Date:**

- 3-7-62

**Control Checked by (III):**

- L. O. Neterer

**Date:**

- 3-7-62

**Radial Plot or Stereoscopic Control Extension by (III):**

- Aerotriangulation - Washington Office

**Date:**

- 1961

**Stereoscopic Instrument Compilation (III):**

- Planimetry

**Date:**

- D. M. Brant

- 5-62

**Contours:**

- D. M. Brant

**Date:**

- Inapplicable

**Manuscript Delineated by (III):**

- D. M. Brant

**Date:**

- 5-62

**Scribing by (III):**

- D. M. Brant

**Date:**

- Inapplicable

**Photogrammetric Office Review by (III):**

- J. D. McEvoy

**Date:**

- 5-62

**Remarks:**

-
**DESCRIPTIVE REPORT - DATA RECORD**

**Camera (Kind or Source) (III):** WM Camera

<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 2376</td>
<td>5 Oct. 1960</td>
<td>10h2</td>
<td>1:25,000</td>
<td>0.5 ft. above MLLW</td>
</tr>
<tr>
<td>60 W 2960</td>
<td>5 Oct. 1960</td>
<td>0925</td>
<td>1:25,000</td>
<td>1.8 ft.</td>
</tr>
<tr>
<td>62 W 2243 and 2244</td>
<td>26 Jan. 1962</td>
<td>0921</td>
<td>1:15,000</td>
<td>1.1 ft.</td>
</tr>
<tr>
<td>62 W 2257 and 2258</td>
<td>26 Jan. 1962</td>
<td>0932</td>
<td>1:15,000</td>
<td>1.1 ft.</td>
</tr>
<tr>
<td>60 W(C) 3132 thru 3135</td>
<td>21 Oct. 1960</td>
<td>08h1</td>
<td>1:10,000</td>
<td>0.5 ft.</td>
</tr>
<tr>
<td>62 W(C) 2295 thru 2297</td>
<td>26 Jan. 1962</td>
<td>0951</td>
<td>1:10,000</td>
<td>1.0 ft.</td>
</tr>
</tbody>
</table>

Tides computed from Predicted Tide Tables.

**TIDE (III)**

| REFERENCE STATION: | Honolulu, Hawaii |
| SUBORDINATE STATION: | Hana, Hawaii |

<table>
<thead>
<tr>
<th>Diurnal</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>RATIO OF RANGES</td>
<td>MEAN RANGE</td>
<td>SPURGE RANGE</td>
</tr>
<tr>
<td>1.2</td>
<td>1.9</td>
<td></td>
</tr>
<tr>
<td>1.8</td>
<td>2.5</td>
<td></td>
</tr>
</tbody>
</table>

**WASHINGTON OFFICE REVIEW BY (IV):** Leo F. Beugnet, Norfolk Regional Office

**FINAL DATE:** Nov. 1965

**PROOF EDIT BY (IV):**

**NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):** 2

**NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):** 0

**NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):** 13

**REMARKS:**

Field Edit 1962 USCGS Pathfinder

No Field Edit Sheet Submitted
<table>
<thead>
<tr>
<th>Compilation Record</th>
<th>Completion Date</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alongshore area for hydro</td>
<td>June 1962</td>
<td>superseded</td>
</tr>
<tr>
<td>Final Compilation</td>
<td>March 1964</td>
<td></td>
</tr>
</tbody>
</table>
SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-11911

Shoreline manuscript T-11911 is one of forty-nine similar maps in this project and covers a part of the coastline of Maui Island. This was a Kelsh project in advance of hydrographic surveys in the area. The field operations preceding compilation included recovery and identification of horizontal control and field inspection. The Kelsh compilation was at 1:5,000 scale from 1:25,000 scale photography obtained in October 1960. A cronaflex positive showing shoreline, alongshore features and shoreline pass points was furnished for the hydrographer's boat sheet along with 1:5,000 scale ratio prints for the location of hydro signals and for field edit purposes.

The compilation manuscript is a vinylite sheet 1 minute 52.5 seconds in latitude by 1 minute 52.5 seconds in longitude from which the smooth sheet was drafted and reproduced on cronaflex. One cronar positive and one cronar negative are provided for record and registry.
FIELD INSPECTION REPORT
T-11911

Please refer to the Field Inspection Report for Maui Island, Hawaii bound with the Descriptive Report for T-11991.
COMPILATION REPORT T-11911

For additional data pertaining to this survey please refer to the Field Inspection Report for Maui Island bound with T-11991 and the Photogrammetric Plot Report bound with T-11907.

Items 31 thru 36

Please refer to the Compilation Report bound with T-11896

37. LANDMARKS AND AIDS

The FLAGPOLE on Chart 4113 at Latitude 20° 45' 35", Longitude 155° 59' 18" was not located. The aids to navigation have been submitted on Form 567.

38. CONTROL FOR FUTURE SURVEYS

No control for future surveys was located during compilation.

39. JUNCTIONS

Satisfactory junctions were made with T-11909 on the west; with T-11910 on the north and with T-11989 on the south. The Pacific Ocean is on the east.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with U.S.G.S. Hana, Hawaii quadrangle, 1:24,000 scale, edition of 1957.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Chart 4113, scale 1:5,000, 3rd edition, revised October 31, 1949 and with Chart 4116, scale 1:250,000, 12th edition, August 17, 1964.
ITEMS TO BE APPLIED TO CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

Verify existence of Flagpole mentioned in item 37.

Respectfully submitted:

[Signature]

For: Donald M. Brant
Carto. (Photo.)

Approved:

[Signature]

Capt. C&GS
Norfolk Regional Officer
48. **Geographic Names List:**

The Geographic names listed below were furnished by the Washington Office on U.S.G.S. Hana, Hawaii 7½ minute quadrangle, scale 1:24,000, edition of 1957.

Hana
Hana Bay
Kaihalulu Bay
Kainalimu Bay
Kauiki Head
Kawaipapa Gulch
Manualele Point
Pacific Ocean
Papaloa
Puuku Island — Puukii Island (No Name Board decision 1970, 6/9/70)
Twin Rocks
Umalele Point

ALL NAMES ATTESTED BY GEOGRAPHIC NAMES SECTION UNLESS OTHERWISE MARKED.

A. J. Wright
NOTES FOR THE HYDROGRAPHER

A set of ratio photographs (taken in 1960 and 1962) has been prepared for use during photo-hydro support.

Color photography was used as an aid in interpreting offshore details and foul lines.

The positions of the following hydrographic signal sites identified on field inspection photographs have been established photogrammetrically for the following surveys:

<table>
<thead>
<tr>
<th>Signal No.</th>
<th>Description</th>
<th>Photo. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1001</td>
<td>Bag on point</td>
<td>T-11910</td>
</tr>
</tbody>
</table>

T-11911

6307        North of two palms n. m.          2377
1101        Hawaiian church steeple           2376
1102        Northeast corner of wharf         2376
1103        Dome shaped rock                  2376
1104        East corner of pavilion           2376
1105        Hana Bay Range Front Daybeacon    2374
1106        Hana Bay Range Rear Daybeacon     2374
1107        Ironwood tree                    2376
1108        Flag at east end of log           2960
1109        Center of red roof               2960
1110        High point of overhanging rock    2960
1111        Flag at indentation              2960
1112        High point of rock               2960
1113        Center of offshore rock           2960
| Form 182 (3-41) | PHOTOGRAMMETRIC OFFICE REVIEW | U.S. DEPARTMENT OF COMMERCE  
| T-11911 | COAST AND GEODETIC SURVEY |
| 1. PROJECTION AND GRID | 2. TITLE | 3. MANUSCRIPT NUMBERS | 4. MANUSCRIPT SIZE |
| | | | |
| 5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY | 6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS) | None |
| 7. PHOTO HYDRO STATIONS | 8. BENCH MARKS | 9. PLOTTING OF SEXTANT FIXES | 10. PHOTOGRAMMETRIC FIELD REPORT |
| None | None | None | None |
| 11. DETAIL POINTS | | |
| ALONGSHORE AREAS (Nautical Chart Data) | |
| 12. SHORELINE | 13. LOW-WATER LINE | 14. ROCKS, SHOALS, ETC. | 15. BRIDGES |
| | | | None |
| 16. AIDS TO NAVIGATION | 17. LANDMARKS | 18. OTHER ALONGSHORE PHYSICAL FEATURES | 19. OTHER ALONGSHORE CULTURAL FEATURES |
| | | | |
| PHYSICAL FEATURES | |
| 20. WATER FEATURES | 21. NATURAL GROUND COVER | 22. PLANETABLE CONTOURS | 23. STEREOSCOPIC INSTRUMENT CONTOURS |
| | | None | None |
| 24. CONTOURS IN GENERAL | 25. SPOT ELEVATIONS | | |
| None | | None | |
| 26. OTHER PHYSICAL FEATURES | | |
| CULTURAL FEATURES | |
| 27. ROADS | 28. BUILDINGS | 29. RAILROADS | |
| | | | None |
| 30. OTHER CULTURAL FEATURES | | |
| BOUNDARIES | |
| 31. BOUNDARY LINES | 32. PUBLIC LAND LINES | | |
| None | None | | |
| MISCELLANEOUS | |
| 33. GEOGRAPHIC NAMES | 34. JUNCTIONS | | |
| 35. LEGIBILITY OF THE MANUSCRIPT | 36. DISCREPANCY OVERLAY | 37. DESCRIPTIVE REPORT | |
| 38. FIELD INDEX FOR PHOTOGRAPHS | | | |
| SIGNATURE OF REVISOR | | | |
| SIGNATURE OF SUPERVISOR | | | |

1. FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted in remarks on reverse side.

SIGNATURE OF COMPILER: Joel Ruggles  
SIGNATURE OF SUPERVISOR: Joseph Steinberg

USE REVERSE SIDE FOR REMARKS
FIELD EDIT REPORT
T-11911

No formal Field Edit Report was received. Please refer to the two following Memorandums concerning field edit of this manuscript.
MEMORANDUM

DATE: 8 July 1963

TO: The Director
    Coast and Geodetic Survey
    U.S. Department of Commerce
    Washington 25, D.C.

FROM: Commanding Officer
    Office of Field Service
    607 Federal Triangle Building
    Washington, D.C.

SUBJECT: Field Kit Report - CR-419

During the first half of the 1963 field season, Pettit and other personnel have edited the manuscripts and tabulated the data. Enclosed changes have been noted on the manuscripts submitted in tabular format. In general, the manuscripts were found to be very reliable with only minor corrections being noted.

Your manuscripts will noted changes are being forwarded to the Washington office on July 9. These manuscripts with no recommended changes have been noted below. The remaining manuscripts will be returned as soon as possible. If an opportunity to compare views with the best color slide is possible, Washington for photostatting.

<table>
<thead>
<tr>
<th>Manuscript</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-1203</td>
<td>Edited - No changes</td>
</tr>
<tr>
<td>T-1129</td>
<td>Edited - Will be forwarded later</td>
</tr>
<tr>
<td>T-1167</td>
<td>Edited - Will be forwarded later</td>
</tr>
<tr>
<td>T-1176</td>
<td>Edited - Will be forwarded later</td>
</tr>
<tr>
<td>T-1180</td>
<td>Edited - Will be forwarded later</td>
</tr>
<tr>
<td>T-1187</td>
<td>Edited - Will be forwarded later</td>
</tr>
<tr>
<td>T-1190</td>
<td>Edited - Will be forwarded later</td>
</tr>
<tr>
<td>T-1191</td>
<td>Edited - Will be forwarded later</td>
</tr>
<tr>
<td>T-1192</td>
<td>Edited - Will be forwarded later</td>
</tr>
<tr>
<td>T-1193</td>
<td>Edited - Will be forwarded later</td>
</tr>
<tr>
<td>T-1194</td>
<td>Edited - Will be forwarded later</td>
</tr>
<tr>
<td>L-1234</td>
<td>Edited - No recommended changes</td>
</tr>
</tbody>
</table>

It is requested that these manuscripts be returned to the ship as soon as possible so they will be needed for smooth plotting.

Signed: [Signature]
to Chief, Photogrammetry Division

FROM: Commanding Officer
USCGC Pathfinder
705 Federal Office Bldg.
Seattle 4, Washington 98104

SUBJECT: Field Edit data, Project 2102 (Ph-6012), Maui Island, Hawaii

Manuscripts T-II907 and T-II991 were corrected and sent 1/9/64 with transmittal letter PATH I-64. Manuscripts T-II906, T-II908 through T-II911 and T-II992 are being sent. Shoreline revision was necessary on T-II909 and T-II903 only.

Replying to 6314/1h

[Signature]

H. J. Seaborn, Capt. USCGC
and Pathfinder
Seattle, Washington

Doc:

You will receive two additional copies. This letter is being sent on Manuscripts with no changes made. Please review promptly. Copies will be transmitted later with no changes and sent back to the Chief (T) for

[Signature]
61. **GENERAL STATEMENT**

See Summary accompanying Descriptive Report

62. **COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS**

A visual comparison was made with Registered Planetable survey No. 327h, 1:20,000 scale dated March 14, 1914.

Shoreline manuscript T-11911 supersedes Planetable survey No. 327h and should be used for nautical chart constructions.

63. **COMPARISON WITH MAPS OF OTHER AGENCIES**

Comparison was made with U.S.G.S. Hana, Hawaii 7½ minute quadrangle 1:24,000 scale, edition of 1957.

64. **COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS**

Comparison was made with copies of boat sheets H-8719-PF-5-1-63 sheet DD and H-8719-PF-10-2-63 sheet CC. The differences in the boat sheets and manuscript are apparent on the Comparison Print.

65. **COMPARISON WITH NAUTICAL CHARTS**

Comparison was made with nautical charts H113, 1:5,000 scale, 3rd edition dated October 1941, revised October 31, 1949 and with H116, 1:250,000 scale, 12th edition, August 17th 1964.

66. **ADEQUACY OF RESULTS AND FUTURE SURVEYS**

This survey complies with project instructions and meets the National Standards of Map Accuracy.

*Refer to page 19*
The following objects have been inspected from seaward to determine their value as landmarks.

<table>
<thead>
<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>METHOD AND DATE OF LOCATION</th>
<th>CHARTS AFFECTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>DYBN</td>
<td>Hanna Bay, Range Front Daybeacon</td>
<td>20 45</td>
<td>34 032 1046.6</td>
<td>Photo T-11911</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>155 53 409.2</td>
<td>10-5-60 4113</td>
<td></td>
</tr>
<tr>
<td>DYBN</td>
<td>Hanna Bay, Range Rear Daybeacon</td>
<td>20 45</td>
<td>32 91 1012.5</td>
<td>Photo T-11911</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>155 59 471.0</td>
<td>10-5-60 4113</td>
<td></td>
</tr>
</tbody>
</table>

Received 6/16/76
**Field Positions are determined by Field Observer.**

- **Example:** F-2-6-L
  - Location and date of field work.

**A. Field Positions require entry of method of location**

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Trilateration</td>
<td>VIS - Visually</td>
</tr>
<tr>
<td>2. Intersection</td>
<td>P - Photogrammetric</td>
</tr>
<tr>
<td>3. Traverse</td>
<td>V - Verified</td>
</tr>
<tr>
<td>4. Resection</td>
<td>L - Located</td>
</tr>
<tr>
<td>5. Field Identified</td>
<td>P - Photogrammetric</td>
</tr>
<tr>
<td>6. Plane Table</td>
<td></td>
</tr>
<tr>
<td>7. Total Station</td>
<td></td>
</tr>
<tr>
<td>8. Sextant</td>
<td></td>
</tr>
</tbody>
</table>

**B. Photogrammetric Field Positions require**

- **Example:** P-8-7-L
  - Graph used to locate or identify the object.
- **Example:** P-8-7-V
  - Date of field work and number of the photo.

**C. Field Photographs taken at:**

- **Example:** 74(k)2982-8-7-5
  - When a landmark or object is also a TRI.

**Annex:**

---

**Instructions for Entries Under Method and Date of Location**

<table>
<thead>
<tr>
<th>Activity/Representative</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quality Control and Review Group</td>
<td>X, Check (the following positions)</td>
</tr>
<tr>
<td>Office Activity Representative</td>
<td></td>
</tr>
<tr>
<td>Field Activity Representative</td>
<td></td>
</tr>
<tr>
<td>Other (Specify)</td>
<td></td>
</tr>
<tr>
<td>Geodetic Party</td>
<td></td>
</tr>
<tr>
<td>Hydrographic Party</td>
<td></td>
</tr>
<tr>
<td>Photo Field Party</td>
<td></td>
</tr>
</tbody>
</table>

**Position Determined or Verified**

- **Example:** 75(k)6942
  - Location and date the object.
- **Example:** "May 30, 1982", date of the photograph used to enter the number and date (including month,

**Office Identified and Located Objects**

- **Example:** 8-7-5
  - Field (control)
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be charted on the charts indicated.

The positions given have been checked after listing by Leo F. Beugnet.

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>SIGNAL NAME</th>
<th>LATITUDE °</th>
<th>LONGITUDE °</th>
<th>D.P. METERS</th>
<th>D.P. METERS</th>
<th>DATE OF LOCATION</th>
<th>METHOD OF LOCATION AND SURVEY No.</th>
<th>CHARTS AFFECTED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Kauiki Head Light</td>
<td>(Kauiki Head Light, 1950)</td>
<td></td>
<td>37.018</td>
<td>56.530</td>
<td></td>
<td></td>
<td></td>
<td>Old Hawaiian Triangle T-11911</td>
<td>1113</td>
</tr>
<tr>
<td></td>
<td>Hana Bay, Range Front Daybeacon</td>
<td></td>
<td></td>
<td>36.19</td>
<td></td>
<td>13.30</td>
<td></td>
<td></td>
<td>PHOTO</td>
<td>1113</td>
</tr>
<tr>
<td></td>
<td>Hana Bay, Range Rear Daybeacon</td>
<td></td>
<td></td>
<td>31.98</td>
<td></td>
<td>135.59</td>
<td></td>
<td></td>
<td>PHOTO</td>
<td>1113</td>
</tr>
<tr>
<td>Hawaii</td>
<td>Hana Bay, Range Front Daybeacon</td>
<td></td>
<td></td>
<td>32.900</td>
<td></td>
<td>16.233</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hawaii</td>
<td>Hana Bay, Range Rear Daybeacon</td>
<td></td>
<td></td>
<td>32.900</td>
<td></td>
<td>16.233</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 6-36, Fig. 79. Positions of charted landmarks and non-floating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS
NOTES TO VERIFIER
H-8719
(Comparison with T-11911)

There are differences between the surveys in the representation of those alongshore areas that are foul with rocks. In addition, there are differences between T-4059, scale 1:5,000 and both the subject surveys in the representation of these areas. T-4059 is the basic source for topography on Nautical Chart 4113, scale 1:5,000.

T-11911 was compared with bromide copies of the boat sheet (H-8719) during final review. Discrepancies in shoreline - apparently the result of error in application of T-11911 shoreline to the boat sheet - were noted on the Comparison Print.

Additional comparison notes follow.

For the most part the hydrographer accepted bare rocks delineated on the shoreline survey. Rocks "awash" were not carried forward. The following note was included by the hydrographer in one area: "many sunken and breaking rocks in this area". Acceptance or non-acceptance, for charting purposes, of those rocks mapped as "awash" on the shoreline survey is not indicated by the hydrographer.

One rock, located at latitude 20°45'41" and longitude 155°58'59" on T-11911; falls in a developed sounding area. The Photogrammetry Division should be notified if the sounding volume or the Descriptive Report indicate that, as a result of field checks, the mapped rock was found not to exist.

Soundings were carried inshore of foul lines originating with the shoreline survey. The shoreline survey manuscript and negative will not be changed at this time to reflect the hydroedit of foul lines due to the possibility of the requirement for additional changes resulting from the hydro survey review.

W. O. Review Unit
# Record of Application to Charts

**INSTRUCTIONS**

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. **Letter all information.**
2. **In “Remarks” column cross out words that do not apply.**
3. **Give reasons for deviations, if any, from recommendations made under “Comparison with Charts” in the Review.**

<table>
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<tr>
<th>CHART</th>
<th>DATE</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
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<td>4113</td>
<td>9/19/66</td>
<td>J.T. Galbraith</td>
<td>Full Part Before Verification Review Inspection Signed Via Drawing No.</td>
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<td>4115</td>
<td>1/18/66</td>
<td>TAW/MBR</td>
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<td>5/10/66</td>
<td>O. Chapman</td>
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The Marine Chart Division requested clarification of four (4) unlabeled objects (shown with a 0.6mm circle) on T-11911. These objects are located in Hana Bay (latitude 20°45.6') and were not identified during field investigation.

All field data (on file) was examined and no identification was made for the four objects. Field inspection photographs 60-W-2374 and 2376 show the images of these objects.

A photograph (snapshot) bound in the Descriptive Report for topographic survey 4059, dated 1924 shows piling in this area. A copy of this photograph is attached.

These objects were labeled piles on T-11911 after this examination.

Submitted by:

Donald M. Brant