

10678

10678

FORM C&GS-504

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey **SHORELINE**

Field No. _____ Office No. **T-10678**

LOCALITY

State **ALASKA**

General locality **SUMNER STRAIT - CORONATION I.**

Locality **AATS BAY @ GISH BAY**

1955-60

CHIEF OF PARTY

E. W. Richards, Chief of Field Party
William F. Deane, Baltimore Photo Office
Alfred C. Holmes, Director, A. M. C.

LIBRARY & ARCHIVES

DATE _____

DESCRIPTIVE REPORT - DATA RECORD

T - 10678, T-10681 & T-10682

1

PROJECT NO. (II): <p style="text-align: center;">PH-5702</p>			
FIELD OFFICE (III): <p style="text-align: center;">C&GS SHIP HODGSON</p>	CHIEF OF PARTY <p style="text-align: center;">E. W. Richards</p>		
PHOTOGRAMMETRIC OFFICE (III): <p style="text-align: center;">Baltimore, Maryland</p>	OFFICER-IN-CHARGE <p style="text-align: center;">William F. Deane</p>		
INSTRUCTIONS DATED (II) (III): <p style="text-align: center;">August 15, 1957 (Field) November 20, 1957 (Office) September 11, 1959 (Office)</p>			
METHOD OF COMPILATION (III): <p style="text-align: center;">Air Photographic (Multiplex)</p>			
MANUSCRIPT SCALE (III): <p style="text-align: center;">1:10,000</p>	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): <p style="text-align: center;">1:10,000</p>		
DATE RECEIVED IN WASHINGTON OFFICE (IV):	DATE REPORTED TO NAUTICAL CHART BRANCH (IV):		
APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV):	
GEOGRAPHIC DATUM (III): <p style="text-align: center;">N. A. 1927</p>	VERTICAL DATUM (III): MEAN LOW WATER high water EXCEPT AS FOLLOWS: Elevations shown as (25) 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): <p style="text-align: center;">RON 1922</p>			
LAT.: <p style="text-align: center;">55° 52' 06.117"</p>	LONG.: <p style="text-align: center;">134° 12' 46.607"</p>	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED	
PLANE COORDINATES (IV): Y = _____ X = _____		STATE <p style="text-align: center;">Alaska</p>	ZONE <p style="text-align: center;">8 (UTM)</p>
<p>ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE, OR (IV) WASHINGTON OFFICE.</p> <p>WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.</p>			

FORM C&GS-181b
(3-66)U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): Horizontal control only: E. W. Richards M. D. Christensen J. P. Randall		DATE: 1957
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): September 21, 1955 (Date of photography) Multiplex		
PROJECTION AND GRIDS RULED BY (IV): J. B. Phillips, Haskins		DATE 21 Nov 1957
PROJECTION AND GRIDS CHECKED BY (IV): I. Y. Fitzgerald		DATE 26 Nov 1957
CONTROL PLOTTED BY (III): J. C. Cregan		DATE 10 Dec 1957
CONTROL CHECKED BY (III): B. Kure		DATE 10 Dec 1957
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): D. M. Brant		DATE 17 Jan 1958
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY D. M. Brant	DATE 20 Jan 1958
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): Jos. D. McEvoy		DATE 4 Mar 1958
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): D. M. Brant		DATE 5 Mar 1958
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

Wild RC-8 6-inch focal length

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
55 W 9311 thru 9316	21 Sept 1955	1305	1:25,000	1.9 ft. below MHW
55 W 9318 thru 9321	"	1314	"	1.8 ft. below MHW
55 W 9317 thru 9330	"	1324	"	1.4 ft. below MHW

TIDE (III) (PREDICTED)

Diurnal

	RATIO OF RANGES	MEAN RANGE	MEAN RANGE
REFERENCE STATION: SITKA, ALASKA	-	7.7	9.9
SUBORDINATE STATION: Port McArthur, Kuiu Island	1.1	8.4	10.6
SUBORDINATE STATION:			

Atlantic Marine Center
~~XXXXXXXXXXXXXXXXXXXX~~ REVIEW BY (IV): **C. H. Bishop** DATE: **10-20-71**

PROOF EDIT BY (IV): DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III): **4** RECOVERED: **4** IDENTIFIED: **4**

NUMBER OF BM(S) SEARCHED FOR (III): **None** RECOVERED: IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): **None**

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): **None**

REMARKS:

T-10678

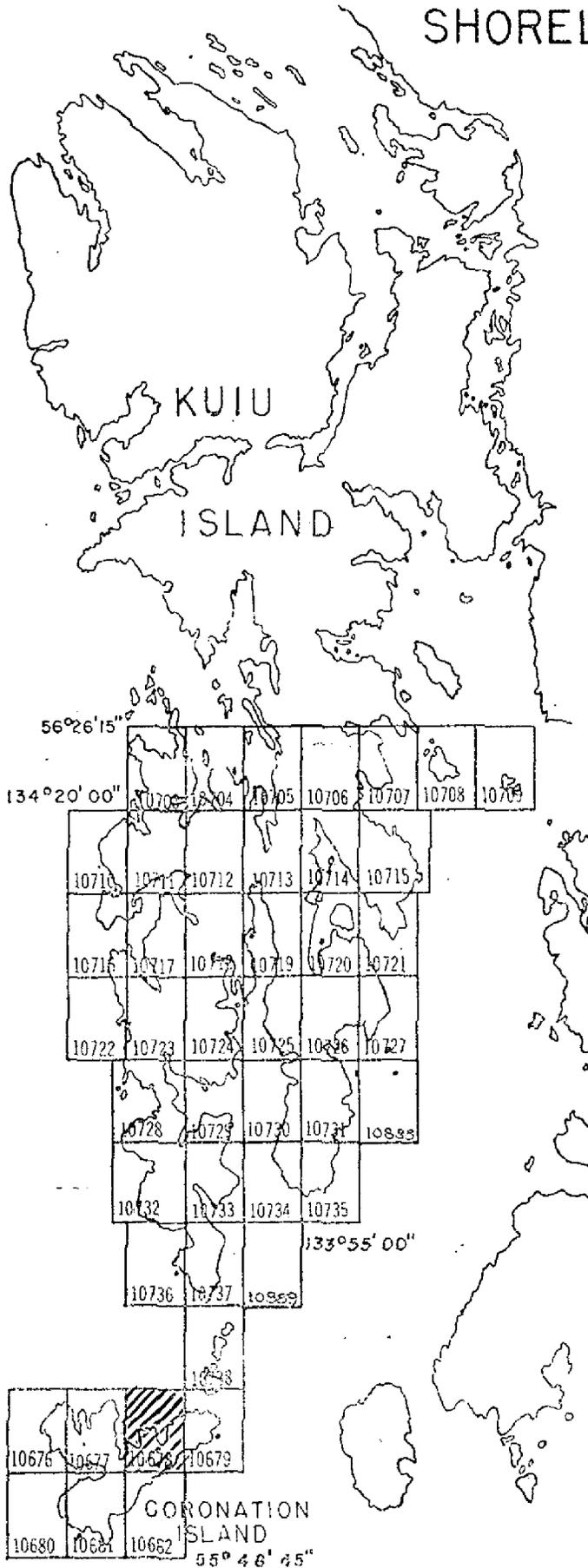
COMPILATION RECORD	COMPILATION DATE	REMARKS
Alongshore area for hydrography	March 1958	
Field Edit on S. Side of Coronation Island, no corrections	1960	
Final review	Oct. 1971	

SHORELINE MAPPING PROJECT

Ph-5702

CORONATION and KUIU ISLANDS, ALASKA

Official Mileage For Cost Accounts



Sheet No.	Area Sq. Mi.	Lin. Mi. Shoreline
10676	2	3.4
10677	8	11.1
10678	6	7.7
10679	3	6.0
10680	1	1.5
10681	8	7.7
10682	2	2.6
10703	10	11.5
10704	6	12.8
10705	9	11.9
10706	14	2.6
10707	4	7.7
10708	2	9.4
10709	1	3.0
10710	5	6.8
10711	11	7.7
10712	14	9.9
10713	12	9.4
10714	5	8.5
10715	11	6.8
10716	4	5.1
10717	9	11.1
10718	13	6.0
10719	8	11.1
10720	9	8.5
10721	4	8.5
10722	2	4.3
10723	14	3.4
10724	11	10.2
10725	8	7.7
10726	11	4.3
10727	3	4.5
10728	10	14.5
10729	6	11.9
10730	5	4.3
10731	10	6.0
10732	10	6.0
10733	9	5.1
10734	3	3.4
10735	4	4.7
10736	1	4.3
10737	6	8.5
10738	1	6.8
TOTAL	295	298.8

CHATHAM STRAIT

SUMMARY

DESCRIPTIVE REPORT T-10678

This shoreline manuscript, scale 1:10,000, is one of 45 maps planned for Project PH-5702, which includes the south half of Kuiu Island, Spanish Islands, and Coronation Island, in Southeast Alaska. Only 33 maps were compiled. T-10678 includes Aats Bay and Gish Bay, Coronation Island.

Bridging was by Multiplex, using single-lens photography taken near high water on September 21, 1955. The bridge was run between field identified control points. Detail points were dropped directly to the plastic sheets and compilation was done graphically, without the benefit of field inspection. Classification of this map is INCOMPLETE.

There was no field edit on the north side of Coronation Island. The shoreline bordering Iphigenia Bay on the south side of the island was field edited in conjunction with hydrography in 1960. No errors in compilation were found.

Final review was done at the Atlantic Marine Center in November 1971.

The compilation manuscript was an acetate sheet 3 minutes 45 seconds in latitude by 5 minutes in longitude.

A cronaflex copy of the final reviewed manuscript and a negative have been forwarded for record and registry.

PHOTOGRAMMETRIC PLOT REPORT
Project Ph-5702

Field Inspection Report - None submitted. Report on horizontal control attached.

21. AREA COVERED

T-10738, T-10676, T-10677, T-10678, T-10679, T-10680, T-10681 and T-10682.

22. METHOD

Multiplex bridges were run between horizontal control points as shown on Sketch of Control attached. The 1:10,000 scale projections on plastic were used directly under the multiplex bar and detail points plotted for subsequent delineation, using ratio prints. It was endeavored to obtain a consistent set of points for this purpose and also for use by the hydrographer. In comparing shoreline points in overlapping flights, it was noted that identical points were very difficult to identify.

23. ADEQUACY OF CONTROL

Identification of horizontal control on the Spanish Islands was adequate. Identified control on Coronation Island is sparse. Three points, namely, LAST, 1922; HELM, 1922 and AATS, 1922 are poorly located with respect to the photography. As noted in correspondence, attached, between the Director and Chief of Party (field), the geographic position of TOP-, 1922 was in considerable error. No other control point in the area was provided. All other horizontal control points, where visible, were held within a probable error of 0.5 mm. Many of the points were not distinct enough to be pin-pointed. The field inspection party's choice of well-defined points was limited. Control is adequate for an allowable error of between 0.5 mm. and 1.0 mm.

The field party furnished two Sub. Pts. for most of the stations identified by this method. This was helpful as often only one point was discernible in the models. The following points were either not visible or identification was very doubtful:

WIT, 1922 - Sub. Pt. 1 - Not visible.
WIND, 1922 - Sub. Pt. 1 - Not visible.
TRE, 1922 - Sub. Pt. 2 - Not visible.
FOLE, 1922 - Sub. Pt. 2 - Doubtful.
NO, 1922 - Sub. Pt. B - Doubtful.

Two points, ISLE, 1922 and CORONATION ISLAND HIGHEST PEAK, 1916 2349 identified on the photographs with the notations "probable location".

They appeared to hold very well. In addition; office identification from published descriptions was attempted for several other points. Of these the following appeared reasonable with regard to our bridging solutions:

HI, 1922
END, 1922
PIN, 1922

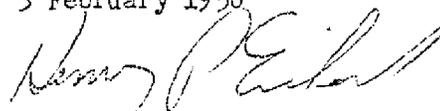
24. SUPPLEMENTAL DATA

None.

25. PHOTOGRAPHY

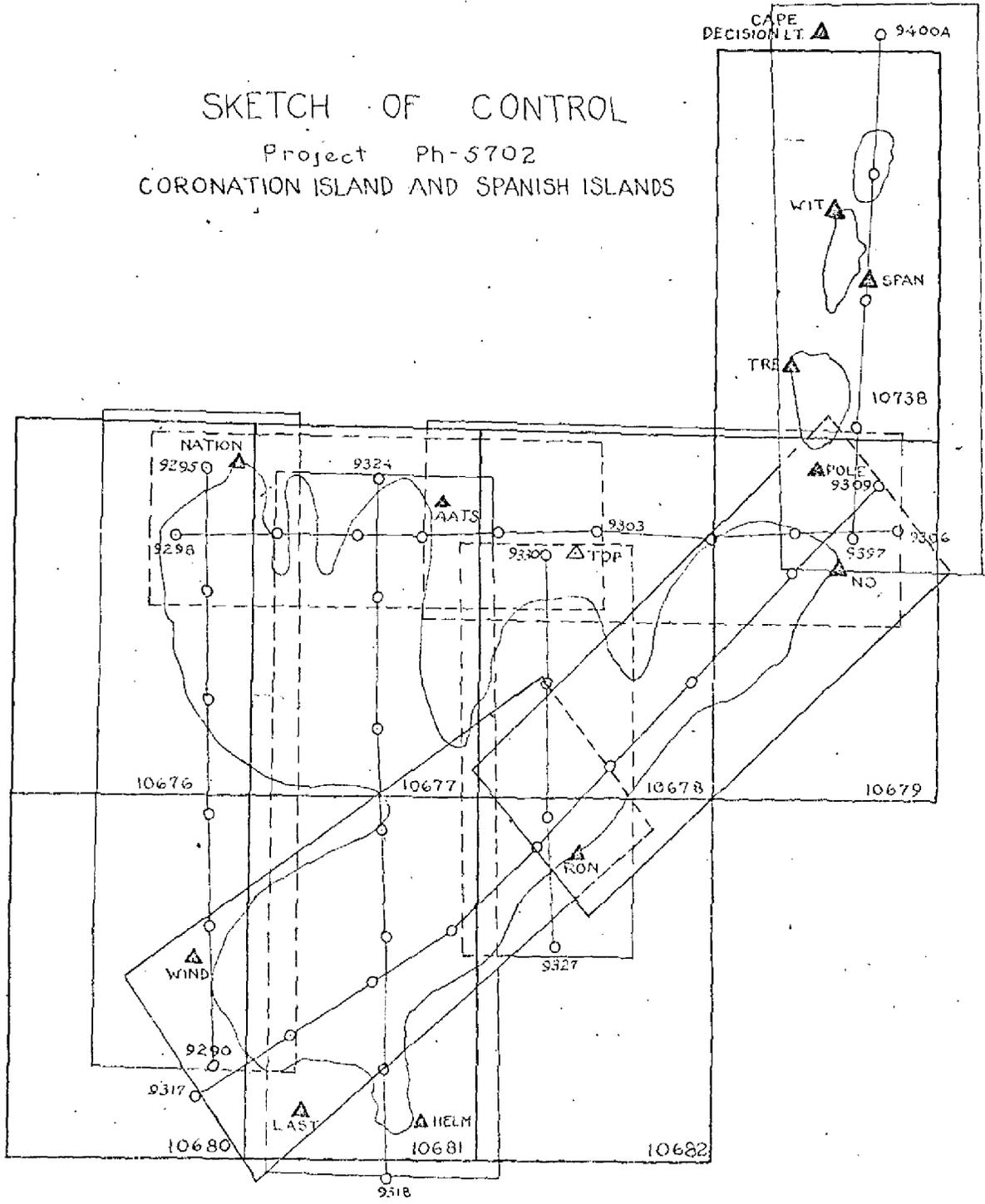
Coverage and overlap of photography was adequate. Diapositives were good.

Respectfully submitted
3 February 1958



Henry P. Eichert
Super. Carto. (Photo.)

SKETCH OF CONTROL
 Project Ph-5702
 CORONATION ISLAND AND SPANISH ISLANDS



LEGEND

- ▲ Identified and held
- △ Identified and not held

HORIZONTAL CONTROL

Only control station identification was attempted on the Spanish Islands and Coronation Island. Receipt of instructions and field data for this project was received so late in the season that landing conditions were not ideal and in some cases impractical to attempt. The stations were visited on different dates until it was apparent that it was uneconomical to continue offshore operations at an expense to our inshore hydrography which still had a few holidays.

A total of 13 stations of the 15 requested were inspected. The discrepancy in position of station TOP was not resolved in the field as mentioned in the Director's letter of 20 Sept. 1957, File No. 731-lfs due to unfavorable weather. Possibly a position for the unstamped disk can be obtained from records of the previous hydrographic survey in 1922-23.

Control Identification By

E. W. Richards

J. P. Randall

M. D. Christensen

Approved and forwarded:



E. W. Richards,
LCDR, USN
Comdg., Ship HODGSON

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

RECEIVED
MAIL ROOM

Handwritten:
X
731
731

POST-OFFICE ADDRESS: Ship HODGSON, Edna Bay, Alaska

TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

SEP 15 10 12 AM

COAST & GEODETIC SURVEY

11 Sept. 1957

To: The Director
Coast and Geodetic Survey
Washington 25, D. C.

Att.: Chief, Photogrammetry Division

Subject: Instructions - Project PH-^{730 2}87.

There appears to be a discrepancy in the G. P. of station TOP 1922 on Coronation Island which was to have been photo-identified before the completion of this season.

An unstamped hydrographic disk was found on the point in Lat. 55° 54' 5", Long. 131° 13' 5" W. and fits the description for the station. However, the G. P. Plots on a rock which is awash only at low water. A check of the records in your office may clear up this difference.

Identification of horizontal control is progressing as rapidly as weather and landing conditions permit, which is difficult on the open coast at this time of the year. To date, all of the identification is complete on Kuiu Island, Spanish Islands, and on the northern portion of Coronation Island.

Handwritten signature: E. W. Richards

E. W. Richards,
LCDR, C&GS
Comdg., Ship HODGSON

12

1283
DXB
44

UNITED STATES GOVERNMENT
NATIONAL BUREAU OF SURVEYING

731-lfa

20 September 1957

To: LCDR E. W. Richards
USCGC Ship HODGSON
Edna Bay, Alaska

Subject: Station TOP 1922, Project PH-⁵⁵⁰²~~57~~

An observation was found in the 1922 records from station CORA to TOP. Using this observation and the one from AATS, a new position for TOP was computed, but it plots (Lat. 55-54-28.68, Long. 134-12-10.51) at the northeast end and not at the northwest end of the point as noted in your letter of 11 September.

The angles CHAN and CORA in the triangle TOP-CHAN-CORA sum to 155°, indicating one of the directions is in error. Since the discrepancy in positions cannot be resolved here, station TOP should be rejected, unless you can determine a new position for it. If the station is not re-located, please substitute station CHAN for photo-identification.

(Signed) Charles Pierce

Assistant Director

cc: Seattle District Officer
60

Respectfully submitted
5 March 1958
COMPILATION REPORT (Preliminary)
T-10678, T-10681 & T-10682

Field Inspection Report:
Photogrammetric Report:

Henry P. Eichert,
Super. Crto. (Photo.)

Refer to Preliminary Descriptive Report for T-10738 and T-10679, combined.

31 thru 36.

Refer to Compilation Report for T-10738 and T-10679, combined.

39. JUNCTIONS

Junctions have been made as follows:

To the east, south and west of T-10678 with T-10679, T-10682 and T-10677, respectively.

To the north, east and west of T-10681 with T-10677, T-10682 and T-10680, respectively.

There are no other junctions to be made.

40 thru 47.

Refer to Compilation Report for T-10738 and T-10679, combined.

Respectfully submitted
5 March 1958

Approved and forwarded

Henry P. Eichert,
Super. Crto. (Photo.)

William F. Deane,
CDR CGS
Baltimore District Officer

COMPILATION REPORT
(Preliminary)
T-10738 & T-10679

31. DELINEATION

Shoreline and all details were delineated by graphic methods using detail points established by the multiplex bridging. 1:10,000 ratio points were ordered to scale for this purpose and for subsequent use by the hydrographer.

32. CONTROL

Refer to Photogrammetric Plot Report bound with this report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline and details were delineated from office inspection without benefit of field inspection. Hence it is classified in the category "incomplete". Many offshore rocks and small islands were delineated by office interpretation. Other areas that may be rocks, ledge or kelp have been enclosed with a broken line and labeled foul. Some shoreline obscured by shadow, or overhang was delineated with the approximate shoreline symbol.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

There were no Recoverable Topographic points established. Detail points established along the shoreline will aid the hydrographic party in locating photo-hydro signals.

39. JUNCTIONS

Junction was made to the south of T-10738 with T-10679 and to the west of T-10679 with T-10678. There are no other junctions to be made.

40. HORIZONTAL AND VERTICAL ACCURACY

Refer to Photogrammetric Plot Report, item 23, attached.

41. through 45.

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

None available.

47. COMPARISON WITH NAUTICAL CHARTS

Chart No. 8173, scale 1:40,000, published March 1939, 2nd edition, 10/22/51.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted
5 February 1958

Henry P. Eichert
Henry P. Eichert
Super. Carto. (Photo.)

Approved and forwarded
Joseph Stenberg

William F. Deane
CIR CGCS
Baltimore District Officer

October 26, 1971

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-5702 (Alaska)

T-10678

Aats Bay
Channel Island
Christian Sound
Coronation Island
Gish Bay
Iphigenia Bay

Approved by:

A. Joseph Wraight
A. Joseph Wraight
Chief Geographer

Prepared by:

Frank W. Pickett
Frank W. Pickett
Cartographic Technician

T-10678, T-10681 & T-10682

49. NOTES FOR THE HYDROGRAPHER

Detail points along the shoreline have been established for use in locating hydrographic signal sites. These have been shown on a set of ratio prints especially prepared at a scale of 1:10,000.

PHOTOGRAMMETRIC OFFICE REVIEW

T. 10678, 10681, 10682

- 1. Projection and grids
- 2. Title
- 3. Manuscript numbers
- 4. Manuscript size

CONTROL STATIONS

- 5. Horizontal control stations of third-order or higher accuracy
- 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations)
- 7. Photo hydro stations
- 8. Bench marks
- 9. Plotting of sextant fixes
- 10. Photogrammetric plot report
- 11. Detail points

ALONGSHORE AREAS

(Nautical Chart Data)

- 12. Shoreline
- 13. Low-water line
- 14. Rocks, shoals, etc.
- 15. Bridges
- 16. Aids to navigation
- 17. Landmarks
- 18. Other alongshore physical features
- 19. Other along-shore cultural features

PHYSICAL FEATURES

- 20. Water features
- 21. Natural ground cover
- 22. Planetable contours
- 23. Stereoscopic instrument contours
- 24. Contours in general
- 25. Spot elevations
- 26. Other physical features

CULTURAL FEATURES

- 27. Roads
- 28. Buildings
- 29. Railroads
- 30. Other cultural features

BOUNDARIES

- 31. Boundary lines
- 32. Public land lines

MISCELLANEOUS

- 33. Geographic names
- 34. Junctions
- 35. Legibility of the manuscript
- 36. Discrepancy overlay
- 37. Descriptive Report
- 38. Field inspection photographs
- 39. Forms

40. Edward M. Beant Henry P. Eichel
 Reviewer Supervisor, Review Section or Unit

41. 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 Supervisor

43. Remarks:

FIELD EDIT

FOR

IPHIGENIA BAY, INTRANCE TO SUMNER STRAIT

SOUTHEAST ALASKA

INCOMPLETE MANUSCRIPTS

T-10681	T-10682
T-10678	T-10679
T-10393	T-10400

2. FIELD INSPECTION

Field inspection of the above tabulated Incomplete Manuscripts was done in conjunction with the location of hydrographic signals. The field edit was completed as follows: T-10681, from Helm Point along the coast of Coronation Island to Lat. $55^{\circ}50'48''$, Long. $134^{\circ}15'00''$; T-10682, completed; T-10678, southeast coast of Coronation Island from Lat. $55^{\circ}52'30''$, Long. $134^{\circ}12'11''$ to Lat. $55^{\circ}53'32''$, Long. $134^{\circ}10'00''$; T-10679, from Lat. $55^{\circ}53'32''$, Long. $134^{\circ}10'00''$ to the south end of the Spanish Is.; T-10400, from Warren Cove south around the south end of Warren Island then northward to Lat. $55^{\circ}52'30''$, Long. $133^{\circ}55'38''$; T-10393, from Lat. $55^{\circ}52'30''$, Long. $133^{\circ}55'38''$ northward along the west coast of Warren Island to Point Borlase. This work was done in accordance with revised instructions for OPR-347 dated 28 January 1960, amended 5 February 1960.

The shoreline of both Warren and Coronation Island is very irregular with many small bights and off-lying rocks. The beach, for the most part, consists of exposed bedrock in the form of high bluffs and ledges. In areas where the predominant bluffs recede and a lesser foreshore gradient occurs the beach consists of coarse, boulder strewn gravel. The only sand beaches encountered were at the heads of Warren Cove, T-10400, the cove just north of Helm Point and the small inlet on sheet T-10393 at Lat. $55^{\circ}53'$; Long. $133^{\circ}56''$.

The beach line is exceedingly rough and impossible to walk. Therefore, all inspection was done from a skiff and landings were made only to locate hydrographic signals. The HWL as shown on the manuscripts is complete and adequate and the only correction suggested is referred to in part 7 of this report.

Density and tone of the land was not inspected. Field edit was confined to the shore and along shore features.

Photographic coverage for manuscripts T-10681, 82, 78, 79 was provided with single lens prints at the scale of 1:10,000. Print resolution was generally good. However, in areas of extremely high cliffs the shoreline was obscured. Some difficulty was encountered due to the fact that the photographs were taken some five years previous. Coverage for manuscripts T-10393 and T-10400 was provided with nine lens prints at the

scale of 1:10,000. Print resolution was good and little difficulty was experienced either in field edit or hydrographic signal location.

3. HORIZONTAL CONTROL

Horizontal control recovered as follows:

- T-10393
Borlase, 1922
- T-10400
Cove, 1903
King, 1904
So, 1922
West, 1915-16
- T-10681
Helm, 1922
- T-10682
Ron, 1922
- T-10678
None
- T-10679
End, 1922
No, 1922

4. VERTICAL CONTROL

Inapplicable

5. CONTOURS AND DRAINAGE

No contouring was checked on any of the manuscripts. One small stream was noted on T-10400. The stream is just north of the southwest point of Warren Island. It flows from east to west and empties into Sumner Strait. The stream is shown in red on an 8x10 paper section of the applicable manuscript. The stream shows well on photograph 41302.

6. WOODLAND COVER

The area is heavily wooded being covered with conifers, mostly spruce with some cedar. The trees extend from the HWL.

7. SHORELINE AND ALONGSHORE FEATURES

These features were inspected as hydrographic signals were located. As stated previously, the work was accomplished from a small boat. The shoreline shown on the manuscripts was found to be quite accurate. The character of the beach was noted and the information was given to the hydrographer to be placed on the boat sheet.

The section of beach just north of Helm Point was inspected and the approximate high waterline was located by sextant fixes at various points along said shoreline. The shoreline as determined by this method is shown on a paper section of T-10681. The same section of beach shows best on photo 9319.

The trapper's cabin on the east shore of Warren Island south of Warren Cove is in a state of disrepair and appears

to be abandoned.

8. OFFSHORE FEATURES

No offshore features were located by photogrammetric methods. Rocks and other dangers to navigation indicated on the manuscripts were either verified or deleted by the hydrographer.

9. LANDMARKS AND AIDS

There is one fixed aid to navigation in the area. It is: Helm Point Light

10. TABULATION OF APPLICABLE PHOTOGRAPHS:

Incomplete Manuscripts T-10393 & T-10400	
41298	41304
41299	41305
41300	41306
41301	41307
41302	41308
41303	41309
	41310

Incomplete Manuscripts T-10681, T-10682, T-10678, T-10679	
21-9-55-W-9304	21-9-55-W-9315
-9309	-9316
-9310	-9319
-9311	-9320
-9312	-9321
-9313	-9328
-9314	-9329
	-9397

No field inspection was completed on areas where hydrography was not done.

Respectfully submitted

James H. Blumer

James H. Blumer

Ensign, C&GS

Approved and forwarded:

Charles W. Clark

for Miller J. Tonkel

CDR, C&GS

REVIEW REPORT T-10678

SHORELINE

November 18, 1971

61. GENERAL STATEMENT:

See Summary on page 6 of this Descriptive Report.

An ozalid comparison print, pages 24 through 27, with differences noted in Items 62 through 65, is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with Survey No. 4054, Scale 1:20,000, dated 1923. Differences between this map and T-10678 are shown in blue on the comparison print.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A visual comparison was made with U.S.G.S. Quadrangle CRAIG (D-7 and D-8), ALASKA, scale 1:63,360, dated 1948. Significant differences between this map and T-10678 are shown in brown on the comparison print.

Because of the great difference in scale, shoreline on the USGS map is much more generalized than on T-10678.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with a copy of the unverified smooth sheet for Survey H-8112, scale 1:20,000, dated 1960. No differences in shoreline were noted, as T-10678 was one of the base maps for shoreline for the hydrographic survey. One rock not visible on the photographs is shown in purple on the comparison print.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 8173, scale 1:40,000, 5th edition, dated August 30, 1969. Because of the scale difference, shoreline is much more general on the chart. Significant differences are noted in red on the comparison print.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This INCOMPLETE survey complies with Job Instructions and Bureau requirements. Control was adequate for mapping with a probable error of between 0.5 mm and 1.0mm. See Photogrammetric Plot Report.

No accuracy tests were run in the field.

Reviewed by:

Charles H. Bishop

Charles H. Bishop
Cartographer
November 18, 1971

Approved for forwarding:

Melvin J. Umbach

Melvin J. Umbach, CDR, NOAA
Chief, Photogrammetric Division, AMC

Approved:

Alfred C. Holmes

Alfred C. Holmes
RADM, NOAA
Director, Atlantic Marine Center

Approved:

Charles A. ...
Chief, Photogrammetric Branch

Jack E. Luth
Chief, Coastal Mapping Division

134° 15' 00"

14'

AATS BAY

+

54'

55° 54'

← Charted awash

Trees

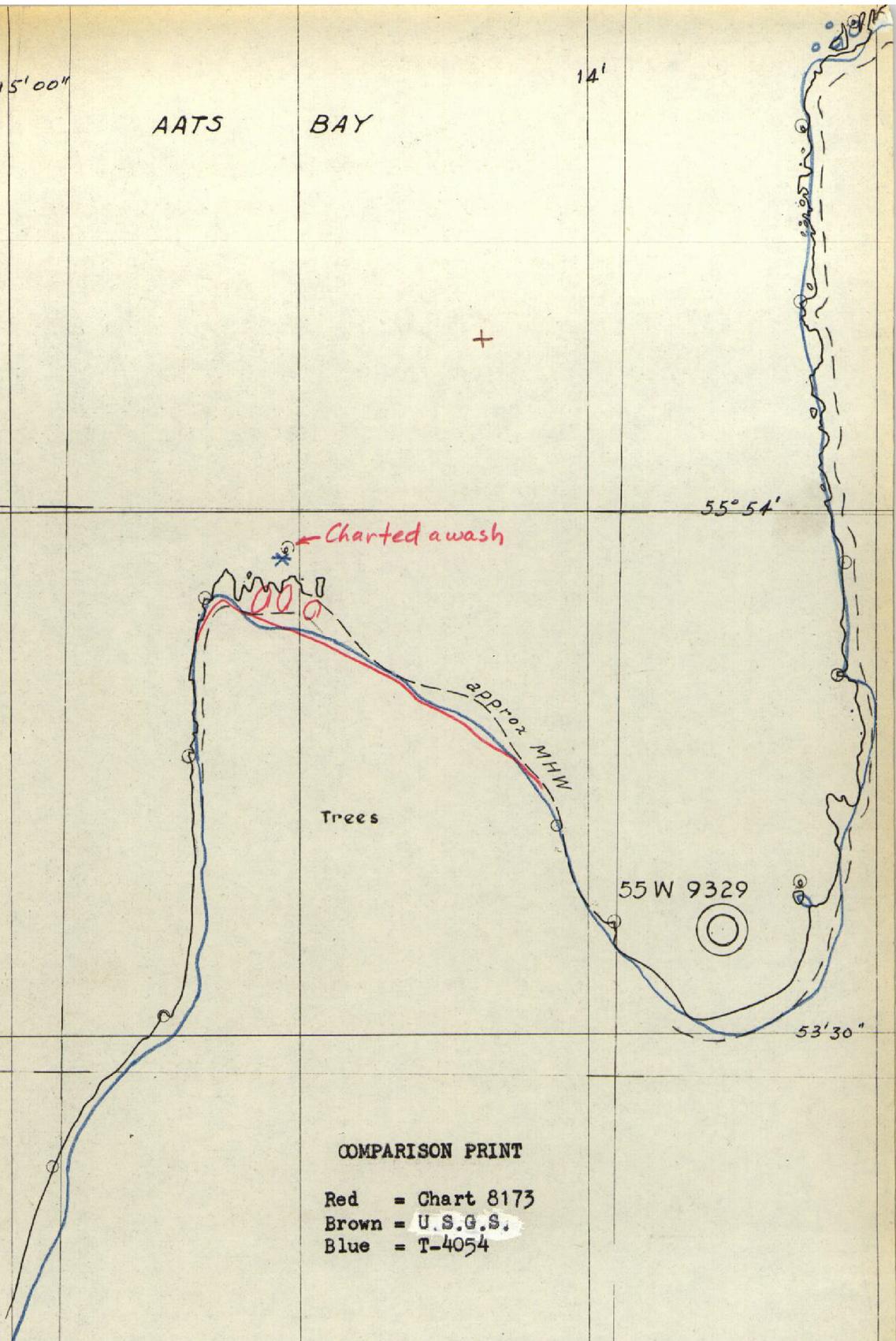
approx MHW

55 W 9329

53' 30"

COMPARISON PRINT

- Red = Chart 8173
- Brown = U.S.G.S.
- Blue = T-4054



55 W 9330

GISH BAY

12'30"

55°55'00"

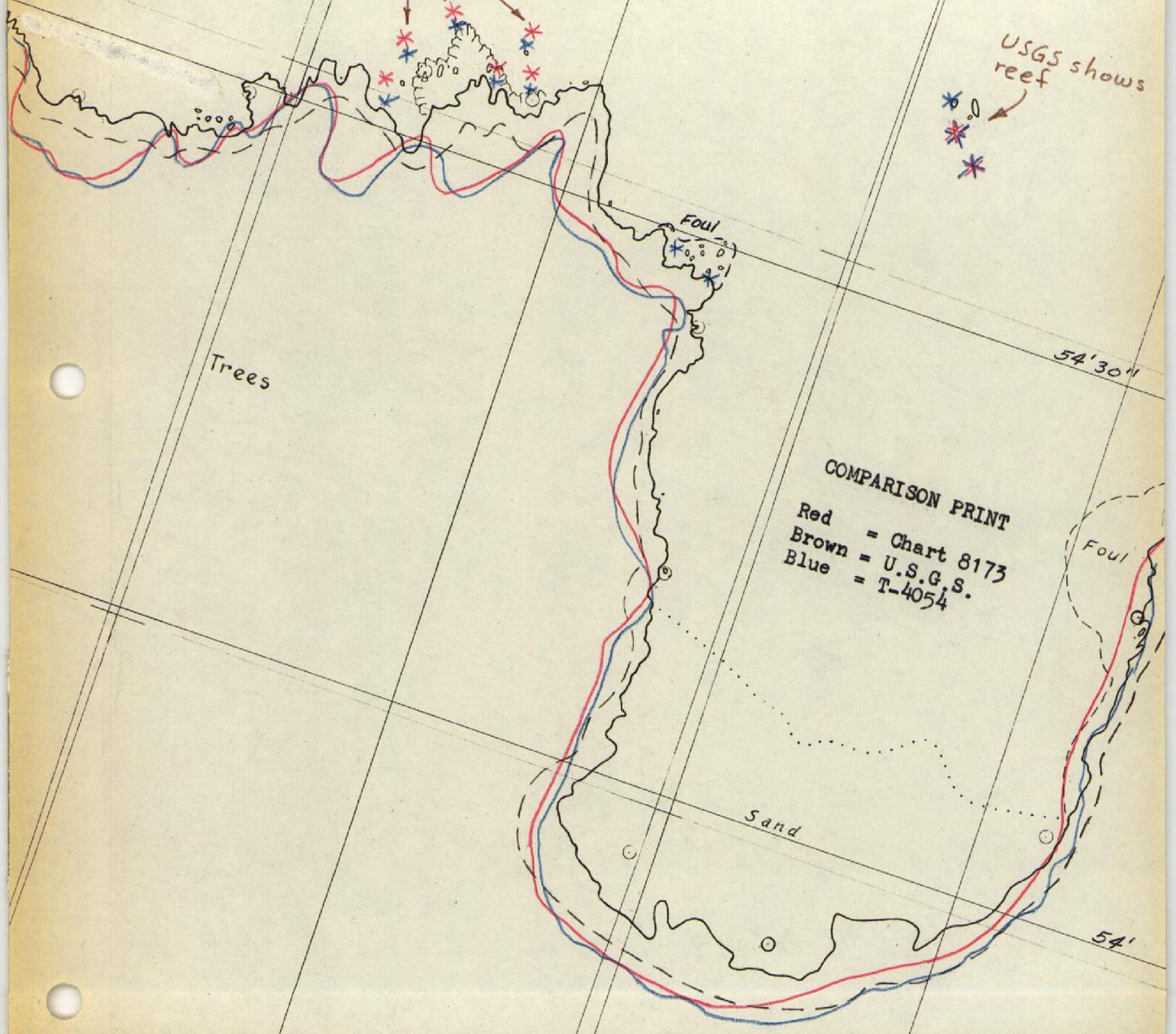
134°12'00"

55 W 9303



USGS also

USGS shows reef



COMPARISON PRINT

- Red = Chart 8173
- Brown = U.S.G.S.
- Blue = T-4054

Trees

54'30"

Sand

Foul

54'

12'30"

134°12'00"

Trees

11'30"

R

134° 1' 00"

10' 30"

CHANNEL 1

CHAN 1922

Foul

U.S.G.S. shows reef and one rk. awash

Foul

Foul

Foul

Trees

55° 55' 00"

55 W 9304

COMPARISON PRINT

- Red = Chart 8173
- Brown = U.S.G.S.
- Blue = T-4054

Trees

54° 30"

134° 10'

EY NO T-10679

10' 30"

11'

T I O N

27

53'30"

N D

COMPARISON PRINT

Red = Chart 8173
Brown = U.S.G.S.
Blue = T-4054
Purple = H-8112

Trees

53'

ALSO on USGS

I P H I G E N I A
B A Y

ALSO on USGS

55°52'30"

12'

11' 30"

134° 11' 00"

10' 30"

△ Recoverable horizontal control station of third-order or higher accuracy

..... Approximate mean lower low water line

The heavy shoreline defines the approximate mean high water.

Compiled by photogrammetric methods, from aerial photographs

Date of Photography Sept. 1955

Date of Field Inspection See Review Report

Date of Compilation March 1958

Date of Field Edit None

Date of Final Review