original

11299 and 11300

11299 and 11300

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey: Shoreline (Photogrammetric)

Field No.: Ph-117 Office No.: T-11299 & T-11300

LOCALITY

State: Alaska

General locality: Cordova Bay

Locality: Shipwreck Point

1953 - 1954

CHIEF OF PARTY

T. R. Gossett, Chief of Field Party
E. H. Kirsch, Baltimore Photo. Office

LIBRARY & ARCHIVES

DATE

8-1870-1 (1)

Applied T-11299 and T-11300 to Ck 8145 Revise..
" T-11300 to cht 8120 8-17-55 L.S.S.

DATA RECORD

T -11299 and 11300

Project No. (II): Ph-117 Quadrangle Name (IV):

Field Office (II): U.S.C. & G. S. S. HODGSON Chief of Party: F. R. Gossett
J. Bowie

Photogrammetric Office (III): Baltimore, Md. Officer-in-Charge: E. H. Kirsch,

Instructions dated (II) (III): Field - 3/17/53, 1/8/54
Office - 12/7/53, 10/11/54

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000 Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): 1.000

Date received in Washington Office (IV): Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV):

Publication Scale (IV): Publication date (IV):

Geographic Datum (III): N.A. 1927 Vertical Datum (III): M.H.W.

Mean sea level 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): SHIP 2 1908 - 25

Lat.: 54° 54' 02.397"(74.1 m) Long.: 132° 31' 41.937" (747.4 m) Adjusted ~~Unadjusted~~

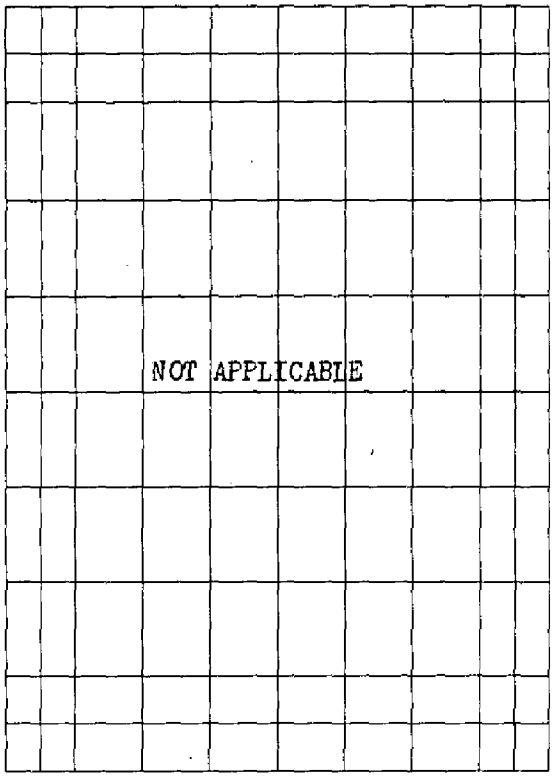
Plane Coordinates (IV): State: Alaska Zone: 8

Y= X=

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.

M-2618-12(4)



Areas contoured by various personnel
(Show name within area)
(II) (III)

DATA RECORD

Field Inspection by (II): D. L. Campbell
A. C. Haglund
R. C. Munson
J. J. Dermody
Date: Aug. Sept., 1953
May-July, 1954

Planetable contouring by (II): None
Date:

Completion Surveys by (II): None
Date:

Mean High Water Location (III) (State date and method of location): 1953 (date of photography)
Office interpretation
1954 Photography and field inspection

Projection and Grids ruled by (IV): A. Riley
J. Thuma
Date: 12/4/53

Projection and Grids checked by (IV): C. Hanavich
A. Riley
Date: 12/4/53

Control plotted by (III): J. C. Cregan
Date: 1/13/54

Control checked by (III): J. Steinberg
H. R. Rudolph
Date: 1/20/54

Radial Plot or Stereoscopic
Control extension by (III): H. R. Rudolph
Date: 2/19/54

Stereoscopic Instrument compilation (III):
Planimetry
Date:
Contours
Date:

Manuscript delineated by (III): J. Y. Councill - T-11299
B. Wilson - T-11300
Date: 3/5/54

Photogrammetric Office Review by (III): R. Glaser
Date: 3/10/54

Elevations on Manuscript
checked by (II) (III):
Date:

M-2618-12(4)

Camera (kind or source) (III): U.S.C. & G. S. Nine-lens camera, focal length 8¼"

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
40995 to 40997	7/8/53	1619	1:10,000	5.1' above MLLW
41010 to 41012	"	1634	"	5.0 " "
41035 to 41038	"	1654	"	4.8 " "
41062 to 41064	"	1712	"	4.7 " "
54-0-286 thru 288 45492	7/6/54	1107	"	1.1 " "
	"	unknown	1:20,000	unknown Diurnal

Tide (III)
From predicted tables

Ratio of Ranges	Mean Range	Spring Range
	7.7	9.9
1.3	9.8	12.4

Reference Station: Sitka
Subordinate Station: Kassa Inlet, Cordova Bay
Subordinate Station:

Washington Office Review by (IV): D. M. BRANT Date: SEPT. 1970

Final Drafting by (IV): Date:

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

(Land Area (Sq. Statute Miles) (III):
* (Shoreline (More than 200 meters to opposite shore) (III):
(Shoreline (Less than 200 meters to opposite shore) (III):
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 8 Recovered: 7 Identified: 5
Number of BMs searched for (II): Recovered: Identified:
Number of Recoverable Photo Stations established (III): ~~4~~ 8
Number of Temporary Photo Hydro Stations established (III): 97

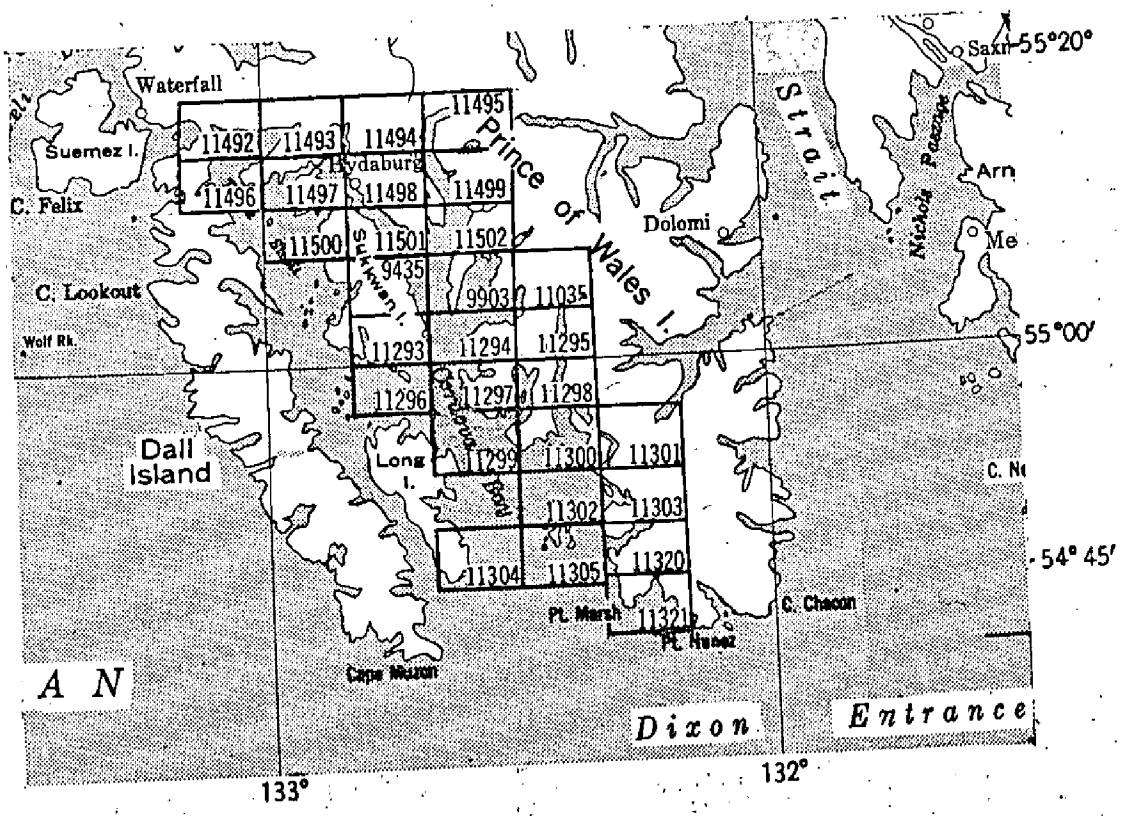
Remarks: T-11299 T-11300

*Land area	2	8
Shoreline over 200 m	14	38
Shoreline under 200 m	-	3

M-2618-12(4)

SHORELINE MAPPING PROJECT PH - 117

Cordova Bay & Vicinity of S.E. Alaska



SHEET NO.	AREA SQ. MILES	LIN.MI. SHORELINE
9435	13	13
9903	21	21
11035	9	9
11293	20	20
11294	15	15
11295	13	13
11296	14	14
11297	21	21
11298	23	23
11299	16	16
11300	31	31
11301	7	7
11302	18	18
11303	14	14
11304	12	12
11305	37	37
11320	24	24
11321	20	20
11492	24	24
11493	12	12
11494	2	2
11495	16	16
11496	17	17
11497	26	26
11498	8	8
11499	11	11
11500	27	27
11501	17	17
11502	15	15
TOTALS	503	503

OFFICIAL MILEAGE FOR COST ACCOUNTS

Summary to Accompany
Descriptive Report
All T-Numbers
PH-117

September 1970

This project is comprised of twenty-nine shoreline surveys compiled at 1:10,000 scale. It covers an area in the vicinity of Cordova Bay in southeast Alaska. The purpose for the compilation of these shoreline surveys was to provide a base for hydrographic survey operations and to update marine charts of the area.

The shoreline area was covered with single-lens and nine-lens photography. Field inspection prior to compilation consisted only of recovery and identification of control. Control was extended by radial plot method in the Baltimore District Office prior to graphic compilation. The shoreline was delineated from office interpretation of the photographs.

Copies of the manuscripts and the ratio photographs were sent to the hydrographic parties (ships HODGSON and PATTON) for hydro support use. Hydro signals were identified and described. Corrections and additions to the shoreline and offshore details were made from field annotated photographs. This has been treated as field inspection throughout this project, but actually it is field edit.

The application of field inspection and photogrammetric office review was done in the Baltimore District Office.

Map Accuracy

The extension of control (radial plots) for the subject maps was considered to be sub-standard in accuracy (refer to radial plot reports). However, the maps were used to provide shoreline and control for hydrographic surveys and were found by the hydrographer to be generally satisfactory for this purpose. A new project is planned for this area.

(continued)

Differences Between Contemporary Hydrographic and Topographic Surveys

Field inspection was done during hydrography (refer to the field inspection report). Where the application of field inspection (additions and corrections) was not applied to the hydrographic surveys, they were called to the attention of the hydrographic verification and review activities by the following means:

1. For an unverified smooth sheet a "Notes to the Verifier" page was inserted in the Hydrographic Survey Descriptive Report.

2. For an unreviewed smooth sheet a "Notes to the Reviewer" page was inserted in the Hydrographic Survey Descriptive Report.

3. For reviewed hydrographic surveys the Chief, Hydrographic Data Branch was notified.

The remaining discrepancies were disposed of in conference with the Hydrographic Review Branch.

Rock Elevations

Differences in some rock elevations were found during final review between a number of the photogrammetric surveys and the contemporary hydrographic surveys. It was decided in conference with the Hydrographic Review Branch that since the rock elevations were from predicted tides they would be removed in most cases from the photogrammetric surveys and the elevations on the hydrographic surveys would be used because of more accurate tide data. An ozalid copy of all manuscripts showing the rock elevations computed from predicted tides will be filed along with available field inspection photographs in the Federal Records Center.

A complete Geographic Names Investigation was made and a final names sheet is a part of this report.

Field records were incomplete at the time of final review. Available field data was used at this time.

A registration manuscript copy for all surveys, except T-11301 and T-11321 which are lost, will be registered in the Bureau Archives under their respective T-numbers.

Submitted by,

Donald M. Brant

2. AREAL FIELD INSPECTION

Control station identification was made in the main project area of Cordova Bay on the southwest side of Prince of Wales Island, and in three areas on the east side of Prince of Wales Island in accordance with instructions for Project CS-357. Shoreline inspection for this season was confined mainly to the area covered by this season's hydrographic surveys. In the areas north of Shipwreck Point, on the west side of Cordova Bay, and on the east side of Prince of Wales Island only very small amounts of shoreline inspection were done.

The Cordova Bay area is a large deep watered area with many inlets, arms, and bights that cut up the land areas. In the southern part, the Barrier Islands extend far out into the bay. The terrain in the Barrier Islands is very broken with numerous small islands and offshore rocks covering the area. A few small tidal lakes are found on several of the islands. Most of the islands are 100 to 200 feet in height. The land area in the rest of Cordova Bay is mostly rugged wooded mountains cut by deep valleys, bays and inlets.

The areas on the east side of Prince of Wales Island in which the instructions required control station identification were in or near long deep bays. These inlets have numerous small bays and arms that are in general very deep. The land areas are nearly all very mountainous with dense timber except near the summits of the highest peaks. The higher mountains inshore are very steep and rugged and are usually bare near the summits.

There are very few cultural features in the areas covered by field inspection. In the Cordova Bay area there were only three cultural features. A small trapper's cabin was found at the old Klinkwan village site. The landmark and remains of the village have been destroyed and should be deleted from the chart. An old cannery site on the north shore of Hunter Bay is visible but no structures remain. At the northern end of the area opposite Sukkwan Strait there is an abandoned mine. This was charted as Copper City, but there are no buildings still standing.

Only control station identification was done on the east side of Prince of Wales Island. No detailed inspection of cultural features was made in this area.

The single lens photographs obtained from the Geological Survey were very poor which made field inspection difficult. These prints were very hazy and had very little contrast.

The nine lens photos were clear and had very good contrast except in areas where the suns reflection blurred them. Usually a better print could be found in these areas, but on several photographs along the west side of Cordova Bay some difficulties were encountered.

Densities and tones were not inspected on the land areas. In water areas shoals and kelp areas were easily visible on the nine lens photographs.

3. HORIZONTAL CONTROL

(a) No supplemental triangulation control was established in connection with the field inspection. Since photo compilation had not been made for the area, graphic control sheets were surveyed to control the hydrography. These

sheets should be very helpful in making the compilation. The short sections of shoreline in the vicinity of many of the stations will probably be helpful to the compiler.

Three new main scheme triangulation stations were established during the survey. These are BLACK 2, 1953; EGG 2, 1953; and DEWEY 2, 1953.

(b) All control is on N. A. 1927 datum and no datum adjustment are necessary.

(c) All control was established by the Coast and Geodetic Survey.

(d) No field inspection was done this season in the vicinity of Sukkwan Strait and South Pass. This section was deferred in expectation of receiving nine-lens photographs. Then near the close of the season, work on Project CS-357 was suspended to undertake the special wire drag survey at Hollis Anchorage. A better field inspection can be made when the remaining area is covered by nine-lens photographs. The single-lens photographs provided by the Geological Survey can be considered of very little value for field inspection in this area. In this scheme

(e) In the Cordova Bay area the triangulation stations that were omitted in the photo identification were omitted in accordance with Paragraph 12 of Instructions dated 17 March 1953. For stations omitted in Sukkwan Strait and South Pass see Paragraph 3(d) of this report.

The stations on the east side of Prince of Wales Island that were omitted were in accordance with Paragraph 13 of Instructions dated 17 March 1953.

The following stations were reported as lost:

NEW, 1908	FRONT, 1909
GREEN, 1907	DOPE, 1909
N. W. CHURCH SPIRE, 1909	BAD, 1909
OUR, 1909	LIME, 1905-18
CAN, 1909	HUB, 1907
TOP, 1909	

Stations NEW, 1908 and GREEN, 1907 were the only two stations of the list that were photo identified. At NEW, 1908 the station mark was not found but the old blaze in tree and the rock pinnacle the station was on was found. The pinnacle is only about 4 feet in diameter which made positive identification possible. At GREEN, 1907 the old R. M. drill hole was found and identified. The station mark was not found.

For further information under this heading see Triangulation Reports, Ship HODGSON, 1953.

(f) The following horizontal control stations were identified:

STATION	PHOTO NO.	QUALITY OF IDENTIFICATION	REMARKS
WEST OF PRINCE OF WALES	NINE LENS		
ANCHOR, 1909	41015	Positive	Triangulation
ATA, 1918	41003	"	"
Axe	40991	"	Topo - 1953
BAN, 1925	40944	"	Triangulation
BARRIER, 1908	40992	"	"

STATION	PHOTO NO.	QUALITY OF IDENTIFICATION	REMARKS
BLACK 2, 1953	40991	Positive	Triangulation
BOAT, 1909-25	40995	"	"
CEDAR 2, 1908	41048	"	"
CLEO, 1909	41015	"	"
CLUMP, 1907	40999	"	"
CON, 1925	40984	"	"
COPPER 2, 1908	41048	"	"
CREEK, 1909	40993	"	"
Day	40991	"	Topo - 1953
DEWEY 2, 1953	40986	"	Triangulation
EGG 2, 1953	40986	"	"
FAR, 1909	40991	"	"
FLAT 2, 1908	41002	"	"
FOG, 1908	41002	"	"
GRASS, 1908-14	41002	"	"
GREEN, 1907	40977	"	"
HAS, 1918	41004	"	"
HEN, 1907	40977	"	"
Hip	41011	"	Topo - 1953
HUNTER, 1909	41035	"	Triangulation
JACK, 1907	40978	Doubtful	"
Jar	40992	Positive	Topo - 1953
KEET, 1918	41045	"	Triangulation
KLINKMAN, 1909	41035	"	"
LODGE 2, 1908	40998	"	"
LITTLE, 1909	41033	"	"
MAB, 1918	41005	"	"
MARBLE 2, 1925	40983	"	"
MID, 1918	41045	"	"
MEX, 1909	40990	"	"
NEW, 1908	41000	"	"
NICE, 1907	40977	"	"
NING, 1925	40943	"	"
NUT, 1918	41002	Doubtful	"
PET, 1909	41015	Positive	"
Ram	41036	"	Topo - 1953
RHEA, 1909	41034	"	Triangulation
ROUGH 2, 1908	40982	"	"
Rut	41036	"	Topo - 1953
SHIP 2, 1908	40997	"	Triangulation
SHOE, 1907	40978	"	"
SOUTH ROCK, 1909-53	40945	"	"
TITAN, 1909	41033	"	"
Tomb	40989	"	Topo - 1953
TRIM, 1925	40979	"	Triangulation
TURN, 1909	41012	"	"
UP, 1918	41053	"	"
Vim	40991	"	Topo - 1953
WEST, 1909	40989	"	Triangulation
Yam	40991	"	Topo - 1953
Zag	40991	"	Topo - 1953
	Single Lens		
BRETT, 1908-14	SEA13-091	Doubtful	Triangulation
ROUND, 1908-14	SEA26-020	Positive	"

STATION	PHOTO NO.	QUALITY OF IDENTIFICATION	REMARKS
EAST OF PRINCE OF WALES ISLAND	Single Lens		
BAKE, 1924	SEA29-042	Positive	Triangulation
BAT, 1924	SEA22-119	"	"
BEE, 1924	X15,026	"	"
BLACK, 1912	SEA103-006	"	"
CROW, 1924	SEA22-025	"	"
DRICK, 1912	SEA22-004	"	"
END, 1912	SEA22-009	"	"
HALLIDAY, 1912	SEA103-006	"	"
HEAD, 1922	SEA22-005	"	"
INGRAHAM, 1912-21	SEA103-004	"	"
KEN, 1921	SEA22-005	"	"
KNOB, 1924	SEA29-044	"	"
MOIRA ROCK, 1912	SEA22-135	"	"
NEST, 1912	SEA22-134	"	"
OUT, 1911	X15-026	"	"
PIT, 1924	X15,030	"	"
SCOTT, 1912	SEA15-065	"	"
SCRUB, 1924	SEA29-042	"	"
SUN, 1912	SEA103-005	"	"
TAG, 1924	SEA103-022	"	"
TIP, 1924	SEA22-025	"	"

Of the stations listed doubtful identification was made on stations: JACK, 1907; NUT, 1907; and BRETT, 1908-14. These stations are not required by the instructions since other stations in the immediate vicinity were used to meet the spacing requirements.

Station JACK, 1907 was marked doubtful because the glare of the sunlight on the photographs made positive identification difficult except to large objects.

Station NUT, 1907 was marked doubtful since overhanging trees and shadows eliminated all object that would have made good subpoints. The subpoint used was a bend in the high water mark that did not show clearly on the photograph.

Station BRETT, 1907 was identified on a single lens photograph furnished by the Geological Survey which was very dull and hazy. It was marked doubtful since the subpoints did not show clear or sharp on the photograph.

4. VERTICAL CONTROL

Not applicable.

5. CONTOURS AND DRAINAGE

Not applicable.

6. WOODLAND COVER

All land areas not covered by storm high waters were densely wooded with coniferous trees and underbrush except on very high mountains. A few offshore rocks to the south and west of the Barrier Islands were bare. A number of areas on the east side of Prince of Wales and a few areas in the Cordova Bay area had been logged out. These areas were easily seen on the nine lens photographs.

7. SHORELINE AND ALONGSHORE FEATURES

(a) Shoreline was inspected from a boat running as close inshore as was safe. The mean high water line shows clearly on the nine lens photos where shadows or overhanging trees do not obscure it. In most areas not opened to the seas the mean high water line is at the tree line. In some areas where the land protrudes up steeply from the shoreline the trees overhang it as much as 4 to 5 meters. In other areas, those open to the seas, it is usually visible on the photographs but may be as far as 50 meters from the tree line.

The mean high water line is indicated at random interval on photographs or where it is not clear.

(b) The low water line is not indicated on the photographs, although, a number of areas were marked foul when it was considered too shoal to investigate with a motor whale boat. In some cases where a number of submerged rocks were grouped together the area would be marked foul out to the kelp line.

(c) The foreshore in the vicinity of the Barrier Islands was mostly very rocky with numberous rock ledges and reefs that cover at high water. There are also many small lights with boulder, rock or gravel beaches in this area. Just north of the Barrier Islands there are many bights and small bays which have some sand beaches formed by streams that run into them.

(d) There were a few bluffs and cliffs seen over the area. None of these were marked on the photographs. However, most of them are readily identifiable on the photographs due to the lack of vegetation. They should be obvious in a stereoscopic model.

(e) In the project area where shoreline inspection was done no shoreline structures were noted other than the permanent fish trap at the mouth of Hessa Inlet. This structure was used by small fishing craft as a mooring. It was permanently secured to the beach, and had not been used as a trap for many years. It is indicated on the photograph.

8. OFFSHORE FEATURES

In the hydrographic survey area covered by field inspection important offshore features and possible dangers to navigation were indicated on the photographs. Many of the offshore rocks were located by hydrographic and/or topographic means.

In two places in the area inspected this season there were rocks that were indicated that did not show clearly on the photographs.

The first is a sunken rock in Eureka Channel about 1.1 mile NE of Far Point. In the vicinity of this rock there is a kelp area about 30 meters in diameter that appears to show on the photo. A hydrographic fix was taken on the rock and a check on its location can be obtained from the hydrographic sheet.

The second rock not clearly visible on the photographs was a rock awash about 200 meters SSE of triangulation station BIBD, 1909-53. This rock was not located by the hydrographic party, but it was noted on the photograph. It may show a little clearer on the office print. However, if a positive location cannot be made using the office prints, further hydrographic investigation is necessary.

Since the field inspection was done in conjunction with the hydrographic survey, some of the offshore features were omitted from the photographs if previously located by other methods. Although, an attempt was made to field inspect all offshore features whether they had been previously located or not.

Heights of rock were estimated in all cases. All rocks were visited, but in most cases a landing was not made. When the field inspection was made a pencil notation of the time, date, and estimated heights was made on the photographs. At the close of the day heights of rocks awash were reduced to MLLW and all notes were inked.

9. LANDMARKS AND AIDS

(a) The only landmark noted was an abandoned light on Turn Point. It is station Ram identified on photograph Number 41036. Since it is a recoverable topographic station no photo location is needed.

(b) No interior landmarks will be listed since no interior inspection was done.

(c) Inapplicable.

(d) The following fixed aids to navigation are indicated on the photographs:

AID	PHOTO NOS.	HYDROGRAPHIC NAME	REMARKS
TELEVAK STRAIT LIGHT	40978		
NELLEN ROCK LIGHT	41003		
MOUND POINT LIGHT	SEA29-044		
CENTER ISLAND DAYBEACON	40991	Zag	Topo signal
GUIDE ROCKS DAYBEACON	41033	Cab	" "
TURN ISLAND DAYBEACON	41012	TURN, 1909-53	Triang.Station
HUNTER BAY DAYBEACON	41036		
EUREKA CHANNEL DAYBEACON	40992	Jar	Topo signal

The four aids listed above that were not located should be located by photogrammetric methods. No identification cards were made for these. All four were pricked direct.

The other aids listed have been located but were identified to be used in the control of the radial plot. Guide Rocks Daybeacon was identified but no card was submitted since it is not needed for control of the plot.

(e) Inapplicable.

10. BOUNDRIES, MONUMENT, AND LINES

Inapplicable.

11. OTHER CONTROL

A number of topographic stations were identified on the photographs that were not listed as recoverable topographic stations. When these were identified no pricking cards were submitted.

The specified spacing for recoverable topographic stations was complied with in the area covered by the hydrographic survey. Listing covered under

side heading 3(f).

12. OTHER INTERIOR FEATURES

Covered under side heading 2.

13. GEOGRAPHIC NAMES

Geographic names will be covered in a separate report.

Only charted names were used in connection with records and reports.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Supplemental data includes other phases of field work - triangulation data, topographic data, hydrographic data and coast pilot notes.

Photogrammetric data forwarded separately:

Field photographs

Control Station Identification Cards

Data to be forwarded:

Descriptive Reports for Hydrographic Sheets:
H0-1153 H0-1353
H0-1253 H0-2153
Triangulation Report - Cordova Bay - 1953
Descriptions of Triangulation Stations
Descriptions of Recoverable Topographic Stations
Recovery Notes, Triangulation Stations
Report on Landmarks and Fixed Aids
Geographic Names Report
Coast Pilot Notes

Respectfully submitted,

Donald L. Campbell,
Ens., USC&GS

Approved and forwarded:

F. R. Gossett,
CDR, USC&GS
Comdg., Ship HODGSON

FIELD INSPECTION REPORT

FOR

HUNTER BAY, RUTH BAY, KLAKAS INLET, KASSA INLET THRU HASSIAH INLET AND VICINITY OF JACKSON ISLAND.

CORDOVA BAY - S. E. ALASKA

1954 FIELD SEASON

PH-117 CS-357

2. AREAL FIELD INSPECTION

The area covered in this report is located on the southwest side of Prince of Wales Island from Hunter Bay thru Hassiah Inlet on the east side of Cordova Bay and the vicinity of Jackson Island on the west side of Cordova Bay.

There are no salient cultural features. The only natural feature is the land area is densely covered with coniferous trees.

This field inspection is believed to be standard.

The area from Hunter Bay through Hassiah Inlet is covered adequately with nine-lens (scale 1/10,000) photographs. The good quality of the photos enabled an adequate field inspection in all of this area with the exception of the west shore of Klakas Inlet which is covered with heavy shadows. The quality of the Navy SEA Prints (scale ratio 1/10,000) covering the vicinity of Jackson Island is very poor. This poor quality made it difficult for field inspection and for recovery of office photo prints used to locate the photo-hydro signals.

Densities and tones were not inspected on the land area. In the water area, shoals and kelp area are easily discernable.

3, 4, 5. Inapplicable

6. WOODLAND COVER

All land area not covered by storm high water is densely wooded with coniferous trees with the exception of the small logged-off areas and the few bare mountain peaks.

7. SHORELINE AND ALONGSHORE FEATURES

(a) The shoreline was inspected from the beach at the photo-hydro signal locations. All other areas were inspected from a boat. The mean high water line is delineated on the field photos. In the areas where the gradient of the beach is steep, the MHWL corresponds closely with the treeline. Elsewhere it is distinguished on the photos by a black band (water action on the rock and dried kelp) along the beach.

(b) The low water line is dotted on the field photographs as it was observed at times of low tide. The low water line corresponds to the offshore edge of the light color tone along the water line on the photos.

(c) The foreshore is rock and boulders with a few areas of sand and gravel at the stream mouths and at the head of the small bights.

(d) The only prominent structures along the shoreline are the fish traps moorings. These moorings are located as follows:

1. East end of Hunter Bay
2. Destroyed cannery site in Hunter Bay
3. Clam Cove in Kassa Inlet

8. OFFSHORE FEATURES

All apparent offshore features were visited and where it was possible a landing was made. All of the rocks and shoals are defined on the field photos and the heights and depths, times and dates pertaining to each feature are noted. All heights are estimated and all depths are measured.

All of the rocks noted during field inspection and hydrography are visible on the photos although some of them were not located on the preliminary manuscript. These rocks and their heights are shown on the field photos.

9. LANDMARKS AND AIDS

There are two fixed aids to navigation: (1) the Beacon on the rock in the middle of Hunter Bay. (2) Mellen Rock Light.

10. Inapplicable

11. OTHER CONTROL

The following is the list of photo-hydro signals and the method used for their location. The information necessary for the location of the signals is on the back of the field photos as listed. All recoverable marked photo-topo signals are denoted by the year (1954) after their name.

12. Inapplicable

13. Geographic Names

Geographic names will be covered in each corresponding Hydrographic Survey Descriptive Report.

14. Special Reports and Supplemental Data

Forwarded to the Director:

11 June 1954 via Railway Express
Office Photos
Field Photos

14 June 1954 via Registered Mail
Blackline Manuscripts
Field Inspection Reports (TAH BAY, HESSA INLET)

3 September 1954 via Railway Express
Office Photos
Field Photos

3 September 1954 via Registered Air Mail
Blackline Manuscripts
Film Positive

18 October 1954 via Railway Express
Office Photos
Field Photos

19 October 1954 via Registered Mail
Blackline Manuscripts
Blueline Impressions

Tide Records (Registered Mail)
28 May 1954 (HUNTER BAY)
14 June 1954 (MAX COVE)
30 July 1954 (KASSA INLET)
3 Sept. 1954 (MABEL BAY, KASSA INLET, HUNTER BAY)

To be forwarded at later date:
Hydrographic Survey Sheets HO-1354 thru HO-1754
Hydrographic Survey Descriptive Reports for same
Sounding Records & Fathograms

15. Remarks on Preliminary Shoreline Manuscript

The preliminary manuscripts were found to be very good. The following are the discrepancies found:

(a) The shoreline is too high in some areas.

(b) Some of the small offshore rocks which appeared on the photos were not located on the manuscripts.

(c) A few of the areas marked foul on the manuscripts and shown by a light color tone on the photos were not found to exist in the field. Large schools of thousands of jelly fish which gave the appearance of shoals (light color tone in water) were observed during the season. It is believed that these fish produced the light color tone on the photos where the area was marked foul and a shoal was not found.

(d) The shoreline of Jackson Island (dashed as approximate) was found to be out in location. This was probably due to the poor photo (Navy Sea Prints) coverage and will be corrected when the 1954 photos are plotted.

The areas where these discrepancies were encountered are noted on the field photographs.

Respectfully submitted,

Robert C. Munson,
Ensign, USC&GS

Approved by:

John Bowie,
CDR, USC&GS
Comdg., Ship HODGSON

HASSIAH INLET TO TRIANG. STA. HAS, 1918

HYDRO SIGNALS	MANU-SCRIPT	PHOTO NO.	METHOD OF LOCATION
Abe	T-11294	41006	Angle and dist. from off. p.p.
All	"	41006	Angle and dist. from off. p.p.
Bar	"	41006	Angle and dist. from off. p.p.
Box	"	41006	Angle and dist. from off. p.p.
Cal	"	41006	Angle and dist. from off. p.p.
Dim	"	41000	Angle and dist. from off. p.p.
Fig	"	41006	Angle and dist. from off. p.p.
Fry, 1954	"	41006	Angle and dist. from off. p.p.
Hid	"	41006	Direct transfer
Ivy	"	41004	Radial plot
Key	"	41004	Angle and dist. from off. p.p.
Liz	"	41006	Angle and dist. from off. p.p.
Man	"4	41006	Angle and dist. from off. p.p.
Nor	"	41006	Angle and dist. from off. p.p.
Pet	"	41006	Angle and dist. from off. p.p.
Rim	"	41006	Angle and dist. from off. p.p.
Say	"	41006	Angle and dist. from off. p.p.

KLAKAS INLET

HYDRO SIGNAL	MANUSCRIPT	PHOTO NO.	METHOD OF LOCATION
Air	T-11300	41036	Angle and dist. from off. p.p.
Alp	T-11300	41036	Angle and dist. from off. p.p.
Apo	T-11295	41059	Field radial plot
Awe	T-11300	41036	Angle and dist. from off. p.p.
Bag (Upper Klakas)	T-11300	41037	Range and angle to off. p.p.
Bag (Lower Klakas)	T-11300	41036	Angle and dist. from off. p.p.
Bus, 1954 (marked)	T-11300	41036	Angle and dist. from off. p.p.
But	T-11295	41059	Field radial plot
Con, 1954 (marked)	T-11300	41037	Angle and dist. from off. p.p.
Cop	T-11300	41036	Angle and dist. from off. p.p.
Dan	T-11300	41036	Angle and dist. from off. p.p.
Did	T-11300	41036	Angle and dist. from off. p.p.
Eat	T-11298	41040	Office p.p.
Eva	T-11300	41037	Office p.p.
Fag	T-11298	41040	Angle and dist. from off. p.p.
Few	T-11300	41036	Angle and dist. from off. p.p.
Fox	T-11298	41037	Field radial plot
Gun	T-11300	41036	Angle and dist. from off. p.p.
How	T-11298	41040	Angle and dist. from off. p.p.
Ice	T-11300	41036	Angle and dist. from off. p.p.
Ink, 1954 (marked)	T-11298	41040	Angle and dist. from off. p.p.
Jug	T-11298	41040	Angle and dist. from off. p.p.
Ked	T-11300	41036	Angle and dist. from off. p.p.
Keg	T-11298	41040	Field radial plot
Kin	T-11300	41036	Office p.p.
Let	T-11298	41037	Angle and dist. from off. p.p.
Nob	T-11298	41037	Office p.p.
Not	T-11300	41036	Angle and dist. from off. p.p.
Num	T-11300	41036	Angle and dist. from off. p.p.
Ott	T-11298	41037	Range and angle to office p.p.
Pat	T-11298	41037	Angle and dist. from off. p.p.
Red	T-11300	41036	Office p.p.
Sam, 1954 (marked)	T-11295	41059	Angle and dist. from off. p.p.
Sis	T-11300	41036	Angle and dist. from off. p.p.
Tax	T-11300	41036	Angle and dist. from off. p.p.
Up	T-11298	41037	Field radial plot
Vat	T-11300	41036	Angle and dist. from off. p.p.
Via	T-11300	41036	Office p.p.
Vim	T-11298	41037	Office p.p.
Way	T-11300	41036	Pricked direct, field radial plot
Yer	T-11300	41036	Angle and dist. from off. p.p.
Zag, 1953	T-11300	41036	Office p.p.
Zoo	T-11298	41037	Field radial plot

Shoreline Photo No.	Manuscript
41035	T-11295
41036	T-11298
41037	T-11300
41038	
41039	

JACKSON ISLAND TO TRIANG. STA. GRASS

HYDRO SIGNAL	MANU-SCRIPT	PHOTO NO.	METHOD OF LOCATION
Bob	T-11296	40927	Angle and dist. from off. p.p.
Cow	T-11293	117-139	Angle and dist. from off. p.p.
Day	T-11293	117-141	Angle and dist. from off. p.p.
Eve	T-11293	117-141	Direct transfer
Fid	T-11293	41003	Angle and dist. from off. p.p.
Gal	T-11293	117-140	Angle and dist. from off. p.p.
His	T-11296	40927	Angle and dist. from off. p.p.
Joe	T-11293	117-141	Direct transfer
Log	T-11293	41003	Angle and dist. from off. p.p.
Ram	T-11296	40927	Angle and dist. from off. p.p.
Rip	T-11296	117-109	Angle and dist. from off. p.p.
Sun	T-11293	117-140	Off. p.p.
Tick,1954	T-11293	117-140	Angle and dist. from off. p.p.
Vet	T-11293	117-140	Angle and dist. from off. p.p.

MABEL BAY

HYDRO SIGNALS	MANU-SCRIPT	PHOTO NO.	
Age	T-11297	40999	Angle and dist. from off. p.p.
Ant	"	40999	Off. p.p.
Bad	"	41000	Angle and dist. from off. p.p.
Bat	"	40999	Angle and dist. from off. p.p.
Can	"	40999	Angle and dist. from off. p.p.
Did	"	40999	Angle and dist. from off. p.p.
Doe	"	40999	Off. p.p.
Eel	"	40999	Angle and dist. from off. p.p.
Era	"	41000	Angle and dist. from off. p.p.
Eye	"	40999	Angle and dist. from off. p.p.
Fee	"	40999	Angle and dist. from off. p.p.
Get	"	40999	Angle and dist. from off. p.p.
Kid	"	40999	Angle and dist. from field sub. pt.
Lap	"	40999	Off. p.p.
Lie	"	40999	Angle and dist. from off. p.p.
Odd	"	40999	Angle and dist. from off. p.p.
Out	"	40999	Angle and dist. from off. p.p.
Pit	"	40999	Off. p.p.
Run	"	40999	Angle and dist. from off. p.p.
Sis	"	40999	Angle and dist. from off. p.p.
Sit	"	40999	Angle and dist. from off. p.p.
Tag	"	41000	Angle and dist. from off. p.p.
Tim	"	40999	Off. p.p.
Wet	"	40999	Angle and dist. from off. p.p.
Vim	"	40999	Angle and dist. from off. p.p.

SHIP ISLAND PASSAGE TO MABEL BAY

HYDRO SIGNAL	MANU-SCRIPT	PHOTO NO.	METHOD OF LOCATION
Act	T-11297	40999	Angle and dist. from off. p.p.
Caf	"	40999	Angle and dist. from off. p.p.
Cat	"	40999	Off. p.p.
Eva	"	40999	Angle and dist. from off. p.p.
Far	"	40999	Angle and dist. from off. p.p.
Gip	"	40999	Field radial plot
Gun	"	41000	Angle and dist. from field sub. pt.
Hat	"	40999	Angle and dist. from off. p.p.
Imp	"	40999	Angle and dist. from off. p.p.
Jet	"	40999	Angle and dist. from off. p.p.
Job	"	40999	Angle and dist. from off. p.p.
Kit	"	40999	Field radial plot
Log	"	40999	Angle and dist. from off. p.p.
Mit	"	40999	Angle and dist. from off. p.p.
Mop	"	41000	Angle and dist. from off. p.p.
Nut	"	40999	Angle and dist. from off. p.p.
Pal	"	41000	Angle and dist. from off. p.p.
Pan	"	40999	Angle and dist. from off. p.p.
Quo	"	41000	Angle and dist. from off. p.p.
Ram	"	40999	Off. p.p.
Rad	"	40999	Off. p.p.
Rik	"	40999	Angle and dist. from off. p.p.
Sin	"	40999	Field radial plot
Try	"	40999	Angle and dist. from off. p.p.
Veg	"	40999	Angle and dist. from off. p.p.

HYDRO SIGNAL	MANU-SCRIPT	PHOTO NO.	METHOD OF LOCATION
Pie	T-11297	41009	Angle and dist. fromoff. p.p.
Pig	T-11298	41009	Angle and dist. from field sub pt.
Pun	T-11297	41009	Angle and dist. from off. p.p.
Quo	T-11298	41042	do
Rat	T-11298	41009	do
Roo	T-11298	41042	Direct transfer
Rot	T-11297	41009	Angle and dist. from off. p.p.
Ros	T-11297	41009	do
Sam	T-11299	41009	Off. p.p.
Sow,1954 (marked)	T-11298	41042	Off. p.p.
Sue	T-11297	41009	Angle and dist. from off. p.p.
Tad	T-11299	41009	do
Tim	T-11299	40996	do
Tin	T-11297	41009	do
Tom	T-11298	41042	Off. p.p.
Uno	T-11298	41042	Angle and dist. from off. p.p.
Up	T-11297	41009	Off. p.p.
Vix	T-11297	41009	Angle and dist. from off. p.p.
Why	T-11297	41009	do
Wil	T-11297	41009	do
Yak	T-11299	41009	do
You	T-11299	41009	do
Zek	T-11297	41009	do
Zip	T-11299	40996	do
Zoo	T-11299	41009	do

Shoreline
Photo No.
41042 & 41010
40996
40997
41043
41007

KASSA INLET & SHIP ISLAND PASSAGE TO TRIANG. STA. LEDGE

HYDRO SIGNAL	MANU-SCRIPT	PHOTO NO.	METHOD OF LOCATION
Ant	T-11295	41042	Angle and dist. from off. p.p.
Art	T-11298	41042	do
Axe	T-11299	40996	do
Bat	T-11297	41009	do
Big	T-11299	40996	Angle and dist. from field sub pt.
Bob	T-11297	41042	Angle and dist. from off. p.p.
Box,1953	T-11299	40996	do
Boy	T-11297	41009	do
Bug,1954 (marked)	T-11299	41009	do
Buz	T-11297	41009	do
Cat	T-11299	41009	do
Car	T-11297	41009	do
Cy	T-11298	41042	do
Dan	T-11299	41009	do
Dad	T-11299	40996	do
Dog	T-11299	41009	do
Don	T-11297	41042	do
Dud	T-11299	40996	do
Ed	T-11297	41042	do
Elm	T-11297	41009	do
Erg	T-11299	40996	do
Fat	T-11297	41042	do
Fir	T-11295	41042	Direct transfer
Fog	T-11299	41009	Angle and dist. from off. p.p.
Fox	T-11299	40996	do
Gum	T-11299	40996	do
Gus	T-11300	41009	do
Han	T-11298	41042	do
Hap	T-11297	41042	do
Hik	T-11300	41009	Angle and dist. from direct transfer sub. pt.
Hill	T-11298	41042	Direct transfer
Ill	T-11298	41009	Angle and dist. from off. p.p.
Jab	T-11297	41009	do
Jag	T-11298	41009	Angle and dist. from direct transfer sub pt.
Job	T-11299	41009	Angle and dist. from off. p.p.
Jon	T-11298	41042	do
Ken	T-11298	41042	do
Kid	T-11297	41009	do
Lab	T-11299	41009	do
Lad	T-11299	40996	do
Let	T-11299	40996	do
Lip	T-11299	40996	Field radial plot
Lil	T-11297	41009	Angle and dist. from off. p.p.
Liz	T-11297	40996	Direct transfer
Loy	T-11298	41042	Off. p.p.
Mad	T-11298	41009	Off. p.p.
Mag	T-11299	40996	Angle and dist. from off. p.p.
Mik	T-11297	41009	do
Nam	T-11297	41009	do
Nip	T-11298	41009	do
Nod	T-11295	41042	Off. p.p.
Oak	T-11297	41009	Angle and dist. from off. p.p.
Ole	T-11297	41009	do
Ox,1954 (marked)	T-11298	41009	Angle and dist. from field sub pt.

MAX COVE

HYDRO SIGNAL	MANU-SCRIPT	PHOTO NO.	METHOD OF LOCATION
Bat (Bat)	T-11300	41063	Angle and dist. from off. p.p.
Big	T-11300	41063	Angle and dist. from field radial plotted p.p.
Bob	T-11298	41063	Angle and dist. from off. p.p.
Cap	T-11300	41063	Office p.p.
Cow	T-11300	41063	Angle and dist. from off. p.p.
Dog	T-11300	41063	Angle and dist. from off. p.p.
End	T-11300	41063	Angle and dist. from off. p.p.
Gal	T-11300	41063	Angle and dist. from off. p.p.
Hit	T-11300	41063	Angle and dist. from field radial plotted p.p.
Joe	T-11300	41063	Angle and dist. from field radial plotted p.p.
Log	T-11300	41063	Angle and dist. from field radial plotted p.p.
No.1,1954 (marked)	T-11298	41037	Angle and dist. from field radial plotted p.p.
Nut	T-11300	41063	Field radial plot
Ray	T-11300	41063	Angle and dist. from off. p.p.
Roo	T-11300	41063	Off. p.p.
Rut	T-11298	41037	Angle and dist. from off. p.p.
Tom	T-11300	41063	Angle and dist. from field radial plotted p.p.
Wil	T-11300	41063	Field radial plot

Shoreline Photo No.	Manuscript
41037	T-11298
41062	T-11300

RUTH BAY

HYDRO SIGNAL	MANU-SCRIPT	PHOTO NO.	METHOD OF LOCATION
Axe	T-11300	41012	Angle and dist. from off. p.p.
Ban	"	"	Office. p.p.
Day	"	"	Office p.p.
Doc	"	"	Angle and dist. from off. p.p.
Eel	"	"	Angle and dist. from off. p.p.
Fat	"	"	Angle and dist. from off. p.p.
Fed	"	"	Angle and dist. from off. p.p.
Gal	"	"	Field radial plot
Gut	"	"	Field radial plot
Lot	"	"	Angle and dist. from off. p.p.
Ned	"	"	Angle and dist. from off. p.p.
Sag	"	"	Angle and dist. from off. p.p.
Six	"	"	Angle and dist. from off. p.p.
Sum	"	"	Field radial plot
Uno	"	"	Field radial plot
Zig	"	"	Angle and dist. from off. p.p.

Shoreline
Photo No.
41012

Manuscript
T-11300

HUNTER BAY

HYDRO SIGNAL	MANUSCRIPT	PHOTO NO.	METHOD OF LOCATION
All	T-11301	41065	Angle and dist. from off. p.p.
Ape	T-11300	41035	Office p.p.
Bee	T-11302	41035	Office p.p.
Bug	T-11300	41035	Angle and dist. from off. p.p.
Can	T-11303	41065	Angle and dist. from off. p.p.
Cow	T-11300	41035	Angle and dist. from off. p.p.
Cut	T-11301	41065	Angle and dist. from off. p.p.
Dog	T-11300	41035	Angle and dist. from field radial plotted p.p.
Dol	T-11303	41035	Field radial plot
Eek	T-11300	41035	Angle and dist. from off. p.p.
Elk	T-11300	41035	Range and dist. from off. p.p.
Fox	T-11300	41035	Angle and dist. from off. p.pl
Gus	T-11300	41035	Angle and dist. from off. p.p.
Hit	T-11301	41065	Angle and dist. from off. p.p.
Ill	T-11301	41065	Angle and dist. from off. p.p.
Jap	T-11301	41065	Office p.p.
Leg	T-11303	41035	Field radial plot
Log	T-11302	41035	Angle and dist. from off. p.p.
Mat	T-11300	41035	Angle and dist. from off. p.p.
Nan	T-11301	41065	Office p.p.
New	T-11302	41035	Range and dist. from off. p.p.
Nut	T-11300	41035	Angle and dist. from off. p.p.
Old	T-11301	41065	Angle and dist. from off. p.p.
Ox	T-11300	41035	Office p.p.
Pet	T-11303	41035	Angle and dist. from off. p.p.
Pig	T-11300	41035	Office p.p.
Rat	T-11300	41035	Range and dist. from off. p.p.
Sam	T-11301	41065	Angle and dist. from off. p.p.
Sky	T-11303	41065	Field radial plot
Sow	T-11300	41035	Field radial plot
Sup	T-11303	41035	Office p.p.
Tex	T-11301	41065	Angle and dist. from off. p.p.
Tim	T-11300	41035	Angle and dist. from off. p.p.
Tom	T-11300	41035	Angle and dist. from off. p.p.
Vix	T-11300	41035	Angle and dist. from off. p.p.
Yel	T-11303	41035	Angle and dist. from off. p.p.
ZIP	T-11300	41035	Angle and dist. from off. p.p.
Zoo	T-11300	41035	Angle and dist. from off. p.p.

Shoreline

Photo No.	Manuscript
41035	T-11300
41065	T-11301
	T-11302
	T-11303

PHOTOGRAMMETRIC PLOT REPORT -8-
Project Ph-117
Surveys Nos. T-11299 thru T-11305, T-11320 & T-11321

21. AREA COVERED

This radial plot report covers the entire areas of Surveys Nos. T-11300, T-11301, T-11302, T-11303, and T-11305. It also includes, the areas east of Cordova Bay that lie within the limits of Surveys Nos. T-11299 and T-11304, all of survey No. T-11320 except the shoreline of Brownson Bay, and the area of Survey No. T-11321 west of POINT MARSH LIGHT. These are all shoreline surveys located along the eastern side of Cordova Bay from Marsh Point northward to the north side of the entrance to Kassa Inlet.

22. METHOD - RADIAL PLOT

Map Manuscripts:
Vinylite sheets with polyconic projections in black and Universal Transverse Mercator Alaska, Zone 8, grids in red, at a scale of 1:10,000 were furnished by the Washington office. Base sheets were prepared in this office.

All control stations and substitute stations were plotted using the beam compass and meter bar.

A sketch, showing the layout of surveys in this plot, and the distribution of control and photographs is attached to this report. A list of control stations is also attached to this report.

Photographs:
Unmounted photographs taken 8 July 1953 with the U.S.C. & G. S. nine-lens camera, focal length 8¼ inches, at a scale of 1:10,000 were used in this plot.

Thirty-nine photographs were used in this plot numbered as follows:

40985 thru 40997
41010 thru 41020
41030 thru 41037
41063 thru 41069

Standard symbols were used on the photographs.

Templets:
Vinylite templets were made for all photographs. The master templet was used to make adjustments for paper and film distortion and chamber displacements.

Closure and Adjustment of Control
Vinylite base sheets were prepared in this office. Since junctions of grid lines between several of the manuscripts could not be made the base sheets were prepared by transferring several projection intersections (all corners) along the neat limits of the manuscript for Survey No. T-11305 to a base sheet. The projection intersections of the other manuscripts were then transferred to the base sheets by matching common projection intersections. All control was transferred to the base sheets

at the same time that the projection intersections were being transferred.

The radial plot was then constructed on the base sheets.

The templets for the two western flights were laid first. Then the templets in the other flights that contained the most control were laid. Since control stations RHEA, 1909; PET, 1909; LITTLE, 1909; and ANCHOR, 1909 could not be held at the same time on any of these templets several combinations were tried and the best results were obtained by holding RHEA, 1909 and ANCHOR, 1909. The plot was then extended to the north, east and southeast until satisfactory plot was obtained.

It was also impossible to hold control TITAN, 1909.

Transfer of Points:
The positions of all photograph centers and pass points were transferred to the map manuscripts by superimposing the manuscripts on the templets and matching common projection intersections and control points.

23. ADEQUACY OF CONTROL

As previously stated all of the control could not be held in the radial plot.

TITAN, 1909 - Pricked direct - described as white banner appearing as a white spot on photograph with tree branches overhanging about 10 feet. Impossible to identify accurately on most of the office photographs. No definite radial line intersection obtained by the plot.

Sub point LITTLE, 1909 - The radially plotted position falls 0.5 mm. south of computed position.

PET, 1909 - The radially plotted position falls 1.0 mm southeast of geographic position.

The discrepancies in these stations were probably due to inaccuracies in identification. Due to urgency of completion of delineation required, no further investigation was made.

24. SUPPLEMENTAL DATA

No graphic control surveys were used in this plot.

25. PHOTOGRAPHY

All of the photographs have large light struck areas on the western sides. Many have deep shadows along shoreline.

No tilt determinations were made.

The definition is good except in the light struck and deep shadow areas.

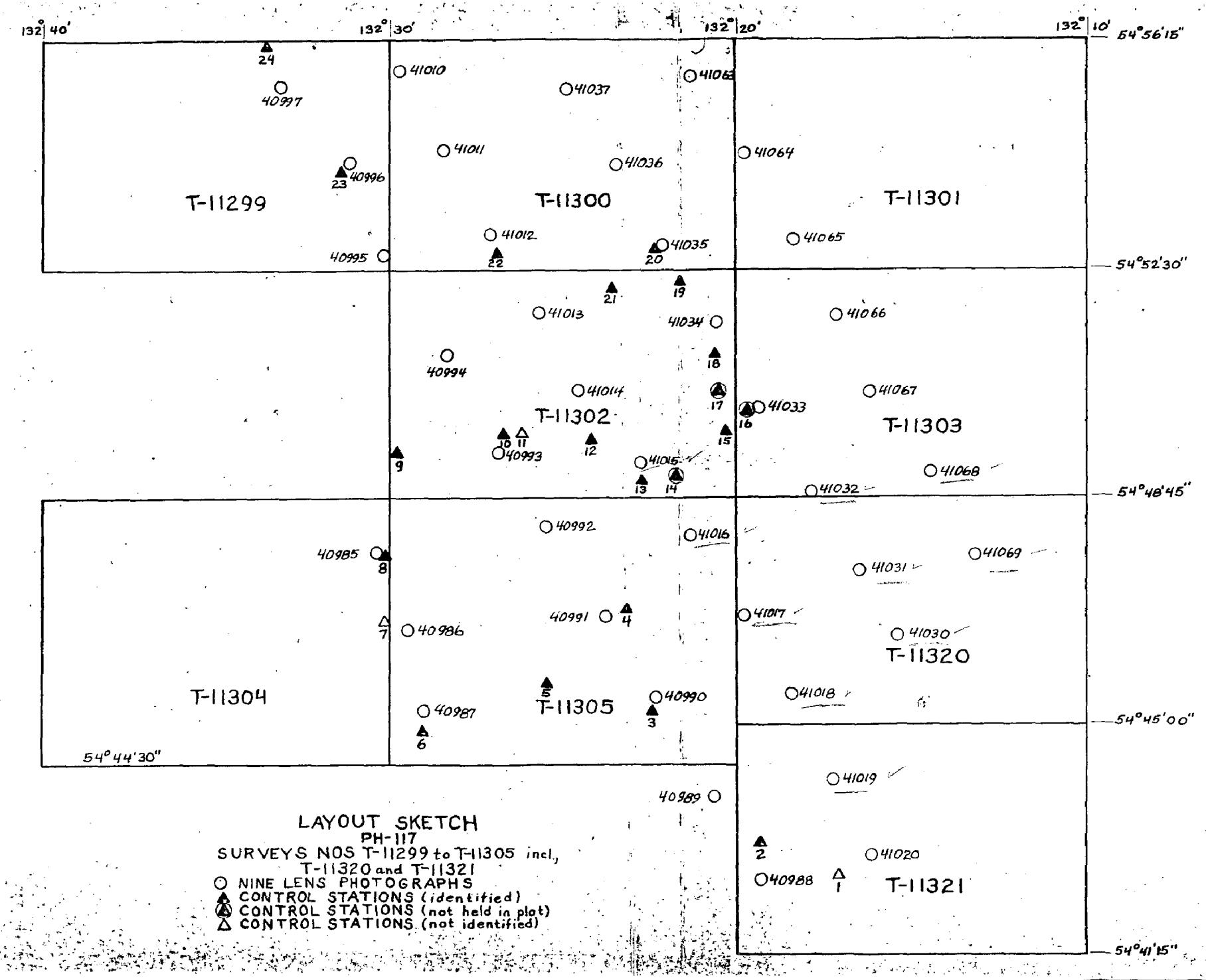
Respectfully submitted
18 February 1954

Harry R. Rudolph

Harry R. Rudolph
Carto. Aid (Photo)

LIST OF CONTROL

No.	Name of Station	Identification
1	MARSH, 1909	None
2	WEST, 1909	Direct
3	MEX, 1909	Direct
4	FAR, 1909	Direct
5	BLACK 2, 1953	Direct
6	DEWEY 2, 1953	Direct
7	LIGHT (ROUND ISLANDS), 1953	None
8	EGG 2, 1953	Sub. Point
9	BOAT, 1909-25	Direct
10	BARRIER, 1908	Direct
11	POE, 1909	none
12	CREEK, 1909	Direct
13	CLEO, 1909	Sub Point
14	TITAN, 1909	Direct
15	ANCHOR, 1909	Direct
16	LITTLE, 1909	Sub Point
17	PET, 1909	Direct
18	RHEA, 1909	Direct
19	HUNTER, 1909	Sub Point
20	KLINK, 1909	Sub Point
21	TURN, 1909	Direct
22	BIRD, 1909	Direct in Office
23	SHIP 2, 1908-25	Direct & Sub. Pt.
24	LEDGE 2, 1908	Sub Point
25	TRIM, 1925	Sub Point



LAYOUT SKETCH
PH-117
SURVEYS NOS T-11299 to T-11305 incl.,
T-11320 and T-11321
⊙ NINE LENS PHOTOGRAPHS
▲ CONTROL STATIONS (identified)
◬ CONTROL STATIONS (not held in plot)
△ CONTROL STATIONS (not identified)

Photogrammetry

MAP T-11299 PROJECT NO. Ph-117 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE °	'	"	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD	(BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)
MARBLE 2, 1908 - 25	G-609 p. 236	NA 1927	54	52	31.630				978.1	(877.3)		
			132	37	05.199				92.7	(977.2)		
Sub. Pt. A MARBLE 2, 1908-25			54	52					974.6	(880.8)		
			132	37					97.3	(972.6)		
Sub. Pt. B MARBLE 2, 1908-25			54	52					981.1	(874.3)		
			132	37					102.2	(967.7)		
ROUGH 2, 1908-25	G-609 p. 236	NA 1927	54	53	28.499				881.3	(974.1)		
			132	37	50.386				898.1	(171.4)		
Sub. Pt. ROUGH 2, 1908-25			54	53					849.6	(1005.8)		
			132	37					886.5	(183.0)		
BREEZE, 1907-25	G-609 p. 236	NA 1927	54	54	29.183				902.4	(953.0)		
			132	39	07.401				131.9	(937.2)		
TRIM, 1925	G-609 p. 249	"	54	55	32.290				998.5	(856.9)		
			132	41	43.599				776.5	(292.1)		
Sub. Pt. TRIM, 1925			54	55					995.9	(859.5)		
			132	41					792.5	(276.1)		
SHIP, 2, 1908-25	G-609 p.236	NA 1927	54	54	02.397				74.1	(1781.3)		
			132	31	41.937				747.4	(321.9)		
Sub. Pt. A SHIP 2, 1908-25			54	54					101.0	(1754.4)		
			132	31					736.5	(332.8)		
Sub. Pt. B SHIP 2,1908-25			54	54					74.1	(1781.3)		
			132	31					712.7	(356.6)		
LEDGE 2, 1908	G-609 p.236	NA 1927	54	56	05.503				170.2	(1685.2)		
			132	33	42.379				754.6	(313.8)		

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: H. R. Rudolph DATE 10 December 1953 CHECKED BY: R. Glaser DATE 16 Dec. 1953

MAP T- 11299 PROJECT NO. Ph-117 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE ° '	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
Sub. Pt. A LEDGE 2, 1908			54 56			181.0 (1674.4)	
			132 33			756.6 (311.8)	
Sub. Pt. B LEDGE 2, 1908			54 56			189.2 (1666.2)	
			132 33			747.1 (321.3)	

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: H. R. Rudolph DATE 10 December 1953 CHECKED BY: R. Glaser DATE 16 December 1953

Photogrammetry

MAP T-11300 PROJECT NO. Ph-117 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE ° ' "	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD	(BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)
KLINK, 1909	G-609 p.247	NA 1927	54 52 53.895				1666.6	(188.8)		
			132 22 34.196				609.7	(460.0)		
Sub. Pt. A KLINK, 1909			54 52				1656.2	(199.2)		
			132 22				595.7	(474.0)		
Sub. Pt. B KLINK, 1909			54 52				1671.5	(183.9)		
			132 22				621.5	(448.2)		
BIRD, 1909	G-609 p.246	NA 1927	54 52 49.814				1540.4	(315.0)		
			132 26 57.861				1031.7	(38.1)		

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: H. R. Rudolph DATE 10 December 1953 CHECKED BY: R. Glaser DATE 16 December 1953

Field Report

Refer to the Photogrammetric Field Inspection Report, S.E. Alaska Cordova Bay - Prince of Wales Island, 1953, U.S.C. & G. S., S. HODGSON, Franklin R. Gossett, commanding.

Photogrammetric Plot Report

The Photogrammetric Plot Report is part of the combined Descriptive Report for T-11302, T-11304 and T-11305.

31. DELINEATION

Graphic methods were used to delineate these manuscripts.

In accordance with the compilation instructions the area of Survey T-11299 west of Cordova Bay was not compiled.

32. CONTROL

The density and placement of horizontal control was adequate for T-11299, and the southern part of T-11300. The northern part of T-11300 had no control. See Radial Plot Report.

33. SUPPLEMENTAL DATA

The following graphic control surveys and accompanying Descriptive Reports were available in the area of these surveys:

HO-D-1953
HO-E-1953
HO-F-1953

Portions of the MHWL were delineated at several places and several hydrographic signals that were located were noted as being on or near the MHWL. This information was used where possible in the delineation.

Elevations of some rocks were furnished on these surveys and were transferred to the manuscripts.

The geographic names standard dated 6 January 1954, was furnished on a copy of Chart No. 8145.

34. CONTOURS AND DRAINAGE

Contours: Inapplicable.
Drainage: No comments.

35. SHORELINE AND ALONGSHORE DETAILS also see p. 14

Only a small part of the MHWL was identified by the field party. The shoreline had to be interpreted under the stereoscope by analogy with the inspected portions. In areas of sloping ledge it was difficult to be positive of the shoreline delineation except where it was defined by the tree line.

35. SHORELINE AND ALONGSHORE DETAILS (CONT'D)

Shadows obscured the eastern sides of the high wooded islands and where no positive image was visible on any photograph, the MHWL was shown with a broken line as an approximate or indefinite line.

No MLLW line was shown except to outline large exposed beach areas apparent on the photographs. It is believed the actual line will be farther offshore than shown.

The foul lines shown are the outer limits of rocky, kelp or shallow areas that are visible on the photographs or delineated by the field party.

Parts of the shoreline of Kassa Inlet, Klakas Inlet and the whole of Max Cove were indicated on the manuscript as being ~~advance~~ preliminary shoreline because of the lack of identified control in these areas.

36. OFFSHORE DETAILS

All offshore details visible on two or more photographs are shown on the manuscripts. In the large ledge areas it was difficult to interpret the areas above MHW to be shown with a shoreline.

37. LANDMARKS AND AIDS

Forms 567 are being submitted for one landmark recommended by the field party to be deleted and one landmark recommended to be charted (old lighthouse at RAM, 1953).

38. CONTROL FOR FUTURE SURVEYS also see p. 14

Forms 524 were submitted by the field party for two recoverable topographic stations. Forms 524 were not available for HIP, 1953 and HUT, 1953.

39. JUNCTIONS

The following junctions were made and are in agreement:

T-11299

T-11297 to the north
T-11300 to the east
No contemporary surveys to the south and west.

39. JUNCTIONS (cont'd)

T-11300

T-11298 to the north.
T-11301 to the east.
T-11302 to the south.
T-11299 to the west.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41 - 45

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

The U.S.G.S. Dixon Entrance quadrangle, scale 1:250,000, edition of 1951 was available in the compilation office but the information shown thereon is based on the U.S.C. & G. S. Charts.

47. COMPARISON WITH EXISTING CHARTS

Chart No. 8147, scale 1:40,000, published August 1931, corrected to 5/12/52.

Chart No. 8120, scale 1:20,000 (Hunter Bay) published August 1940, corrected to 8/6/51.

Items to be applied to Nautical Charts immediately:

None.

Items to be carried forward:

None.

Respectfully submitted
12 March 1954

Joseph W Vonasek

Joseph W. Vonasek
Carto. (Photo)

Approved and forwarded

E.H. Kirsch.

E. H. Kirsch,
Comdr. USC&GS
Officer in Charge

SUPPLEMENTARY COMPILATION REPORT
Project Ph-117
Survey T-11299 & T-11300

Field Inspection Report:

Refer to the Photogrammetric Field Inspection Report for surveys T-11293 thru 11303, season 1954, Ship HODGSON, submitted by Comdr. John Bowie.

35. SHORELINE AND ALONGSHORE DETAILS

Additional field inspection obtained in the 1954 season was applied to the manuscripts in red. Some MLLW lines were delineated by the field party.

New single lens (contact scale 1:27,500) photography was also obtained in 1954, along Klakas Inlet and some parts of the MHWL previously shown with an indefinite line were redelineated from these photographs. These were in Max Cove and the west shoreline of Klakas Inlet (T-11300).

In the vicinity of Ship Island Passage (T-11299) the previous approximate shorelines were redelineated from the 1954 nine-lens photographs (scale 1:20,000) by use of the vertical projector.

38. CONTROL FOR FUTURE SURVEYS

Forms 524 were not available for six of the eight recoverable topographic stations in the area of these surveys. Data for these are being submitted on blank Forms 524, to be added to the forms prepared by the field party.

Station BOX, 1953 was reidentified in 1954 and relocated on the manuscript. The positions on the original Forms 524 for BOX (1953) 1954 and RAM, 1953 have been changed to agree with the positions on the manuscripts.

There were no photo-hydro signals field identified in 1953, and no attempt was made to identify them in the office. No planetable positions are shown on the manuscripts.

The photo-hydro signals identified in 1954, have been located on the manuscripts. A list of these is included in paragraph 49.

The azimuth station for locating BUG, 1954 was given as signal CRY. The azimuth is believed to be to signal CAT, which would locate the station on the highest part of the island as indicated on the field photograph 41009, and checks with field plotting of this station on blackline impressions of survey T-11299

Approved and forwarded

E. H. Kirsch.

E. H. Kirsch, Comdr. USC&GS,
Officer in Charge
Baltimore Photo. Office

Respectfully submitted
14 January 1955

Joseph W. Vonasek

Joseph W. Vonasek
Carto. (Photo.)

August 25, 1970

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-117 (Alaska)

T-11299

Cordova Bay

Kassa Inlet

Kassa Point

Prince of Wales Island

Ship Island Passage

Ship Islands

Approved by:

A. Joseph Wraight

A. Joseph Wraight
Chief Geographer

Prepared by:

Frank W. Pickett

Frank W. Pickett
Cartographic Technician

August 25, 1970

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-117 (Alaska)

T-11300

Barbara Rock
Bird Rocks
Cordova Bay
Double Island
Grass Rock
Grave Point
Gusdagane Point
Hunter Bay
Kassa Inlet
Klakas Inlet
Klakas Island
Klinkwan Cove
Max Cove
Prince of Wales Island
Ruth Bay
Ruth Cutoff
Ruth Island
Shipwreck Point
Turn Point

Approved by:

A. Joseph Wraight
Chief Geographer

Prepared by:

Frank W. Pickett
Cartographic Technician

T-11300
NOTES FOR HYDROGRAPHER also see following page

The radially plotted position of RAM, 1953 differs from the planetable position by 1½ mm (to NW).

Hydrographic signal ZAG was located by radial plot about 1 mm north of the planetable position. In general, the MHWL points on the planetable surveys fall on the shorelines as delineated.

Where there were discrepancies in the elevations of rocks, the field photograph data was shown on the manuscripts.

Station KLINKWAN (KLINK), 1909 appears to be plotted 1½ mm too far north on graphic control survey HO-D-1953.

49. NOTES FOR HYDROGRAPHER

The following recoverable topographic stations appear on the manuscripts:

T-11299	T-11300
BOX (1953) 1954 (reidentified in 1954 and relocated)	RAM, 1953
BUG, 1954 (Azimuth station must be CAT, Field photo. 41009)	HIP, 1953
	RUT, 1953
	ZAG, 1953
	BUS, 1954
	CON, 1954

The following photo-hydro signals have been located on the manuscripts:

T-11299

AXE
BIG
CAT
DAD
DAN
DOG
DUD
ERG
FOG
FOX
GUM
JOB
LAB
LAD
LET
LIP*
MAG
SAM
TAD
TIM
YAK
YOU
ZIP
ZOO*

*LIP - Erroneously called ZIP, on back of photo. 40996. No lone tree as identified here. Tree about 30 meters to north was cut in by hydrographic party and appears to be a more logical point for a signal.

*ZOO - Recorded angle plots signal in water and disagrees with sketch on back of photo and plotting on boat sheet. 126° 40' was used on manuscript assuming 20° error (photo. 41009). The recorded angle could be correct if the initial was on signal "LIP" instead of "TAD".

49. NOTES FOR HYDROGRAPHER (CONT'D)

T-11300

AIR
ALP
APE
AWE
AXE
BAG 54° 55.9'
132° 25.8'

BAG 54° 54.1'
132° 22.0'

BAN
BET
BIG*
BUG
BUS, 1954
CON, 1954
COP
COW 54° 52.9'
132° 20.9'

COW 54° 56.2'
132° 22.9'
DAN
DAY
DID
DOC
DOG 54° 53.6'
132° 20.5'

DOG 54° 55.8'
132° 22.3'

EEK
EEL
ELK
END
EVA
FAT
FED
FEW
FOX
GAL 54° 54.4'
132° 26.5'

GAL 54° 56.2'
132° 22.5'

GUN
GUS 54° 56.0'
132° 29.6'

GUS 54° 53.3'
132° 21.0'

GUT
HIK
ICE
KED
KIN
LOT
MAT
NED
NOT
NUM
NUT 54° 53.6'
132° 21.5'

NUT 54° 56.1'
132° 22.0'

~~NUT 54° 56.1'~~
~~132° 22.0'~~

OX
PIG
RAT
RED
ROC
SAG
SIS
SIX
SOW
SUM
TAX
TIM
TOM 54° 53.2'
132° 20.5'

TOM 54° 55.9'
132° 21.8'

UNO
VAT
VIA
VIX
WAY
WIL
YER
ZAG, 1953
ZIG
ZIP
ZOO

*BIG Left angle plotted instead of right angle to agree with position plotted by field party on black line copy of the manuscript. (field photo 41063).

Form T-2

3-10-54

50 -

PHOTOGRAMMETRIC OFFICE REVIEW

T-11299 & 11300

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 alongshore 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. R. Slaven — Reviewer; Joseph Steinberg — 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~~ inspection survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

J. B. PHILLIPS & J. HONICK — Compiler; Frank J. Tareza — Supervisor

43. Remarks:

M-2623-12

Form T-2

1-20-55

50

SUPPLEMENTARY PHOTOGRAMMETRIC OFFICE REVIEW

T-11299 & T-11300

1. Projection and grids ✓ 2. Title ✓ 3. Manuscript numbers ✓ 4. Manuscript size ✓
4a. Classification label ✓

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~~ C & d.s.t. ✓ 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 alongshore cultural features~~

PHYSICAL FEATURES

20. Water features ✓ 21. Natural ground cover ✓ 22. ~~Plantable 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. F. J. Tarr — Reviewer
Joseph Steinberg — 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.

J. B. Phillips & J. Honick — Compiler
Frank J. Tarr — Supervisor

43. Remarks:

M-2623-12

Review Report T-11299
Shoreline Mapping

September 1970

61. General Statement

The registration manuscript copy for T-11299 was made from the negative of the Advanced Manuscript. The original manuscript is lost.

Differences in some rock elevations were found between T-11299 and H-8128 (refer to Summary, "Rock Elevations"). These elevations were removed from T-11299. ↳ page 7

62. Comparison with Registered Topographic Surveys

Comparison was made with the following topographic surveys:

T-2331, dated 1897, 1:80,000 scale
T-2976, dated 1909, 1:20,000 scale

These surveys are superseded for charting by T-11299.

63 Comparison with Maps of Other Agencies

Comparison was made with USGS Dixon Entrance (D-2), Alaska quadrangle, 1:63,360 scale, dated 1948. No differences of importance were found in the comparison.

64. Comparison with Contemporary Hydrographic Surveys

Photogrammetric survey T-11299 was used as a base for new hydrography. The following hydrographic survey was used for comparison:

H-8128, dated 1954, 1:10,000 scale

The agreement between the two surveys is good.

65. Comparison with Nautical Charts

Comparison was made with chart 8147, 1:40,000 scale, 5th Edition, corrected to July 3, 1967. No significant changes were found in the comparison.

66. Adequacy of Results and Future Surveys

(Refer to "Summary," Map Accuracy".) – page 6

Reviewed by,

Donald M. Brant

Donald M. Brant

Approved by,

Charles Lenn

Chief, Photogrammetric Branch DMB Chief, Photogrammetry Division

Review Report T-11300
Shoreline Mapping

September 1970

61. General Statement

Differences in some rock elevations were found between T-11300 and H-8067 and H-8127 (refer to Summary, "Rock Elevations") page 7 These elevations were removed from T-11300. No field data or photographs covering this area are available at this time.

62. Comparison with Registered Topographic Surveys

Comparison was made with the following topographic surveys:

T-2327, dated 1898, 1:10,000 scale
T-2331, dated 1897, 1:80,000 scale
T-2976, dated 1909, 1:20,000 scale

These surveys are superseded for charting by T-11300.

63. Comparison with Maps of Other Agencies

Comparison was made with USGS Dixon Entrance (D-2), Alaska quadrangle, 1:63,360 scale, dated 1948. No differences of importance were found in the comparison.

64. Comparison with Contemporary Hydrographic Surveys

Photogrammetric survey T-11300 was used as a base for new hydrography. The following hydrographic surveys were used for comparison:

H-8067, dated 1954, 1:10,000 scale
H-8127, dated 1954, 1:10,000 scale
H-8128, dated 1954, 1:10,000 scale
H-8129, dated 1954, 1:10,000 scale

No significant differences were found in the comparison.

65. Comparison with Nautical Charts

Comparison was made with chart 8147, 1:40,000 scale 5th Edition, corrected to July 3, 1967. No significant differences were found in the comparison.

66. Adequacy of Results and Future Surveys

(Refer to "Summary," "Map Accuracy".) – page 6

Reviewed by,

Donald M. Brant

Donald M. Brant

Approved by,

Chief, Photogrammetric Branch DMB

Jack E. Gurtz

Chief, Photogrammetry Division

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

~~TO BE MARKED~~
TO BE DELETED } STRIKE OUT ONE

Baltimore, Maryland February, 1954

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks be ~~charted~~ *(deleted from)* the charts indicated.

The positions given have been checked after listing by R. Glaser

E. H. Kirsch, *Chief of Party.*

STATE ALASKA

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.M. METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
CH	Church		54 53.4		132 22.0		N.A. 1927	T-11300		x	x		8129,8147

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. 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.

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED / TO BE DELETED — STRIKE OUT ONE

Baltimore, Maryland February, 1954

I recommend that the following objects which have (~~been~~) been inspected from seaward to determine their value as landmarks be charted on (~~deleted from~~) the charts indicated.

The positions given have been checked after listing by R. Glaser

E. H. Kirsch, *Chief of Party.*

STATE ALASKA

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.M. METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	Old Lighthouse	RAM	54 52	40.94 1266	132 21	47.17 841	NA 1927	Rad.Plot T-11300	1953	X			8120,8145 & 8147

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. 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.

* TABULATED TO HUNDREDTHS AND METERS

M-2836-3