

9126

T-9126 (INCOMPLETE)  
(Original)

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Photogrammetric Shoreline

Field No. .... Office No. T-9126

LOCALITY

State Alaska

General locality Prince William Sound

Locality Foul Bay

1954

CHIEF OF PARTY

Office: L. W. Swanson

LIBRARY & ARCHIVES

DATE .....

## DATA RECORD

T-9126

Project No. (II): 6152

Quadrangle Name (IV):

Field Office (II):

Chief of Party:

Photogrammetric Office (III): Washington, D.C.

Officer-in-Charge: L. W. Swanson

Instructions dated (II) (III):

31 December 1954  
11 February 1955  
14 March 1956Supp. 1  
Supp. 2Copy 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): 1.0

Date received in Washington Office (IV): 9-18-55

Date reported to Nautical Chart Branch (IV): 9-28-56

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):

Lat.:

Long.:

Adjusted  
Unadjusted

Plane Coordinates (IV):

State:

Zone:

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.

## DATA RECORD

Field Inspection by (II):

Date:

Planetable contouring by (II): None

Date:

Completion Surveys by (II): None

Date:

Mean High Water Location (III) (State date and method of location):

Office inspection of photographs taken 26 July 1954

Projection and Grids ruled by (IV): A. Riley

Date: 12-17-54

Projection and Grids checked by (IV): H. D. Wolfe

Date: 1-7-55

Control plotted by (III):

B. Hale

Date: 6-26-56

Control checked by (III): G. Amburn

Date: 6-28-56

~~Radial Plot or Stereoscopic  
Control extension by (III)~~

J. Battley - R. Sugden

Date: 7-3-56

Stereoscopic Instrument compilation (III):

Planimetry

Date:

Contours

Date:

Manuscript delineated by (III): G. Amburn

Date: 7-9-56

Photogrammetric Office Review by (III):

Date:

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

Date:

Camera (kind or source) (III): C&GS "W"

Number	Date	PHOTOGRAPHS (III) Time	Scale	Stage of Tide (MLLW)
2376-7	26 July 1954	1234	1:30,000	6.6

Tide (III)

Reference Station: Cordova, Alaska  
Subordinate Station: Culross Bay  
Subordinate Station:

Atlantic Marine Center  
Washington, D.C.

C. H. Bishop

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III):

Shoreline (More than 200 meters to opposite shore) (III): 5 miles

Shoreline (Less than 200 meters to opposite shore) (III):

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II):

Recovered:

Identified:

Number of BMs searched for (II):

Recovered:

Identified:

Number of Recoverable Photo Stations established (III):

Number of Temporary Photo Hydro Stations established (III):

Remarks:

Diurnal

Ratio of Ranges	Mean Range	Spring Range
1.0	10.0	12.1
	10.0	12.1

Date:

Date:

Date:

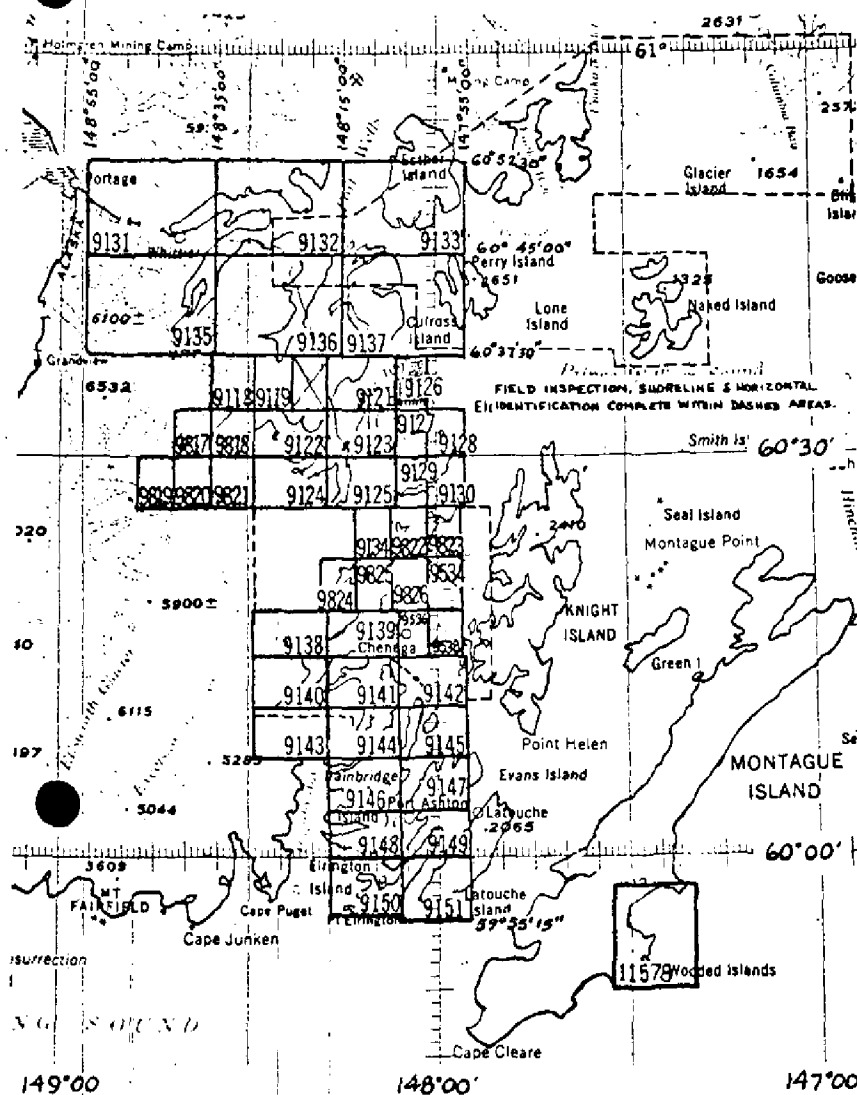
Date:

T-9126

COMPILATION RECORD	COMPLETION DATE	REMARKS
INCOMPLETE manuscript for hydro support	July 1956	
Final Review	August 1970	

## SHORELINE MAPPING PROJECT PH - 152

Prince William Sound, Alaska



OFFICIAL MILEAGE FOR COST ACCOUNTING		
	LIN. MI.	AREA MI.
SHEET NO.	SHORELINE	MILES
9118	3	13
9119	9	11
9121	11	10
9122	23	7
9123	17	7
9124	7	5
9125	15	6
9126	5	3
9127	6	3
9128	5	3
9129	7	8
9130	14	6
9131	12	95
9132	48	50
9133	36	45
9134	5	11
9135	24	90
9136	26	85
9137	68	48
9138	10	7
9139	13	5
9140	12	8
9141	24	12
9142	10	3
9143	9	4
9144	26	9
9145	19	8
9146	18	8
9147	24	9
9148	25	9
9149	19	7
9150	24	8
9151	15	9
9534	6	4
9536	6	6
9538	4	1
9817	9	10
9818	11	6
9819	3	9
9820	7	5
9821	2	10
9822	9	9
9823	7	4
9824	9	10
9825	11	6
9826	10	8
11578	19	21

TOTALS

702

726



SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT T-9126

Records for this map were not complete at the time of final review, which was several years after compilation. The Compilation Record and notes concerning the absence of reports were inserted by the final reviewer.

This shoreline manuscript is one of 43 sheets that comprise Project PH-152, which is located in the western part of Prince William Sound. T-9126 is southeast of the east end of Port Nellie Juan.

Compilation was by radial plot at 1:10,000 scale, using ratio photographs from 1954 single-lens photography. There was no field inspection and no data available stating that field edit had been performed. Classification of the manuscript is "Incomplete."

Hydro-support data was furnished to the hydrographer in 1961.

Final review was done at the Atlantic Marine Center in August 1970.

The compilation manuscript was a vinylite sheet 3 minutes 45 seconds in latitude by 4 minutes 37.5 seconds in longitude.

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

## FIELD INSPECTION REPORT

MAP T-9126

PROJECT PH-152

There was no field inspection prior to compilation of this map and no Field Inspection Report is bound with this Descriptive Report.



PHOTOGRAPHIC PLOT REPORT  
Prince William Sound, Alaska  
Project 6152  
Surveys T-9119, T-9121 through T-9126  
July 1956

21. AREA COVERED:

This report discusses the radial plot for shoreline surveys T-9119, T-9121 to T-9126, inclusive, at a scale of 1:10000. These surveys fall in the area of Fort Nellie Juan of Prince William Sound and include McClure Bay and a portion of Cochrane Bay.

22. METHOD:

Vinylite manuscripts with polyconic projection and UTM grid lines were used as base sheets for the plot. The grid lines were used in joining the base sheets.

Positype prints of Coast and Geodetic Survey single-lens photographs taken in 1954 were used throughout the plot. Vinylite hand templets were constructed using a master templet to correct for paper distortion.

The plot was begun in T-9122 where field identified control was adequate for fixing individual templets. The plot was extended to include all surveys except T-9119 where no field-identified control was available. The area of T-9119 was not included in the plot until after final adjustment was made in the area of field-identified control.

Difficulties experienced in extending the plot resulted from errors in control identification--field and office, and in templet construction using badly distorted photographs. One triangulation station (Tiger 1943) initially could not be held because of a published error in the direction of a reference mark (Geodesy Division records were corrected). All discrepancies in the plot were eventually resolved.

23. ADEQUACY OF CONTROL:

The area of T-9119 was controlled principally from office-identified triangulation stations. The plot was fairly rigid in this area and field identification of control should effect little shift in position.

- 2 -

Control was adequate to obtain as rigid a plot as could be expected with the spacing of single-lens photography which existed for this area. Stations not closely held were the result of logical causes. (See attached list of control.) Also other control which held was available for all such areas.

24. SUPPLEMENTAL DATA:

None.

25. PHOTOGRAPHY:

Flights were spaced such that there was little overlap between them. Also, there were many photographs in water areas. However, control was plentiful enough that extension of the plot was possible even though the above deficiencies existed.

The western part of T-9122 was not covered by photographs and approximately two miles of shoreline cannot be compiled until additional photography is available.

Submitted by:

*Jeter P. Battley Jr.*

Jeter P. Battley, Jr.  
Cartographer

Approved:

*Everett H. Ramey*

Everett H. Ramey  
Chief, Graphic Compilation Unit

INTERPRETATION OF PLOT REPORT  
Surveys T-9119 and T-9121 through T-9126

LIST OF CONTROL

T-9119

Vain, 1922 1.5 SE  
This was the position for a very doubtful office identification. A map feature which fits the station description plots at the published position.

Units, 1942 Held (Office identified only)

T-9121

Silt, 1943	Held
Hell, 1917 Sub. Pt.	0.3 mm N
Negat, 1943	0.5 mm N (2 radials only)
Port, 1917	Held
Ross, 1917 Sub. Pt.	Held
Olive, 1943	1.0 mm NE*
Wire, 1913 Sub. Pt.	Held

\*Poor field identification. Area of station obscured on photograph.

T-9122

Yield, 1943 Sub. Pt.	Held
Shady, 1943 Sub. Pt.	Held
Pipe, 1943	Held*
Kylan, 1943 Sub. Pt.	0.3 mm NE
Penny, 1943	0.4 mm NE**
Junk, 1943	Held
Organ, 1943 Sub. Pt.	Held
Fini, 1917	Held
Keel, 1943 Sub. Pt.	Held
Liar, 1943 Sub. Pt.	0.3 mm E (2 radials only)
Mace, 1943 Sub. Pt.	Held (2 radials only)
Navel, 1943	Held

\*Field identified point would not hold. Point on nearby reef which checked description was used and held.

\*\*Field identified substitute station would not hold. Office identified home station was held closely as indicated.

T-9123

Land, 1917	Held
Unit, 1943 Sub. Pt.	Held

- 2 -

T-9123 (continued)

Tart, 1948	Held
McClure J. Gable, 1948	Held
Valor, 1948 Sub. Pt.	0.3 mm N
Maltz, 1948 Sub. Pt.	Held

T-9124

Dill (USE), 1948 Sub. Pt.	Held
Owe, 1948 Sub. Pt.	0.3 mm E (2 radials - narrow intersection)
Neck, 1948 Sub. Pt.	1.0 mm E

(Investigation, after plot was completed, revealed a point which fits the description by the field party and would have held in the plot. Evidently, the sub station was misidentified by field.)

T-9125

Pear, 1948 Sub. Pt.	Held
Money, 1948	Held
Adam, 1948 Sub. Pt.	Held
Zone, 1948	Held
Quad, 1948	Held (2 radials only)

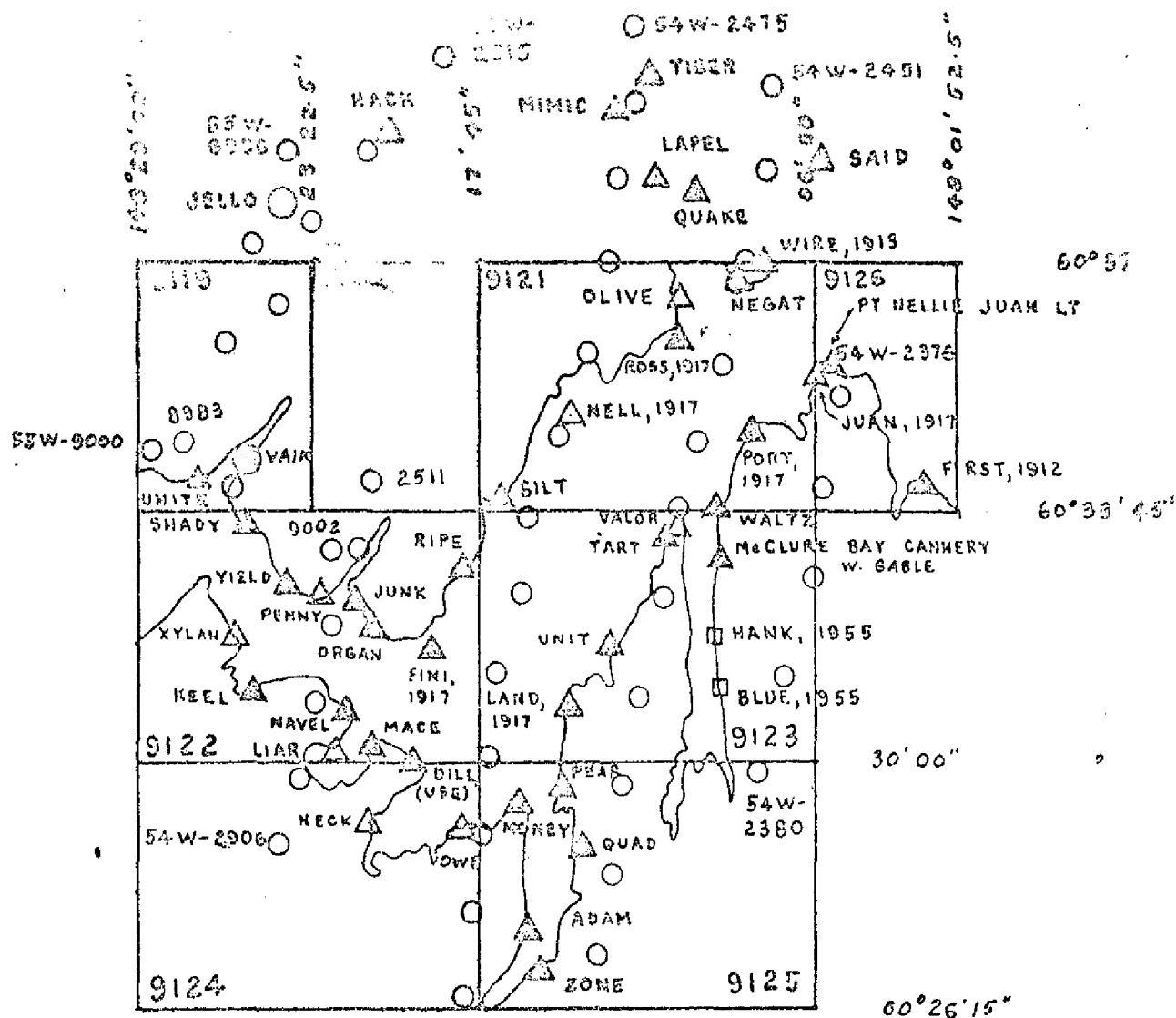
T-9126

Port Wallie Juan Lt., 1948	Held
Juan, 1917, Sub. Pt.	0.3 mm E
First, 1912, Sub. Pt.	Held

N. of Area to be Mapped

Jello/, 1948	Held (office identification)
Hack, 1948	Held
Gland, 1948 Sub. Pt.	Held (1 radial only)
Said, 1948	Held (1 radial only)
Quake, 1948, Sub. Pt.	Held (2 radials)
Minic, 1948 Sub. Pt.	Held
Lapel, 1948 Sub. Pt.	1.0 mm SE (very doubtful field identification - 3 points picked on field photograph)
Tiger, 1948 Sub. Pt. A	Held
Sub. Pt. B	Held

# PRINCE WILLIAM SOUND (0132)



54W-2495 ○ 54W-2440

## PHOTOGRAMMETRIC PLOT CONTROL SKETCH

- ▲ Field identified stations held
- △ Field identified stations not held
- Office identified stations held
- ⊙ Office identified stations not held
- Topographic stations located by radial plot

NOTE: All stations not dated are 1948



Compilation Report  
Shoreline Survey T-9126  
(incomplete)

31. Delineation:

Shoreline and foreshore features were delineated from office stereoscopic interpretation without benefit of field inspection.

Features shown were first drawn on a piece of vinylite superimposed on the photograph with the most nearly true scale. Graphic methods were then used to compile and delineate the MHWL and to adjust the planimetry to manuscript scale by holding the compilation points of near-sea-level elevation.

32. Control:

See Photogrammetric Plot Report which is filed as part of Descriptive Report for T-9121 for discussion of control.

33. Supplemental Data: None

34. Contours and Drainage: Not applicable.

35. Shoreline and Alongshore Details:

See delineation, Sub-Heading 31.

36. Offshore Details:

Compiled by stereoscopic examination and are subject to revision by field inspection.

37. Landmarks and Aids: Port Nellie Juan Light falls within this map area. Form 567 is attached.

38. Control for Future Surveys:

None

39. Junctions:

North, South, East: No contemporary Surveys  
West: T-9121

40. Horizontal and Vertical Accuracy:

No areas appear to be sub-normal in accuracy.

46. Comparison with Existing Maps:

Seaward (c-3) 1:63,360, Alaska 1952 USGS  
Planetable sheet No. 3426 1:20,000, Dated 1909



47. Comparison with Nautical Charts

The manuscript was compared with nautical chart No. 8551, scale 1:200,000, published 1909, corrected 5-31-54. This manuscript supersedes previously charted shoreline.

Items to be applied to nautical charts immediately: None

Items to be carried forward: Entire survey is subject to field completion or revision.

Submitted by:

*Garnett S. Amburn*  
Garnett S. Amburn

Approved by:

*Everett H. Ramey*  
Everett H. Ramey

August 28, 1970

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-152 (Alaska)

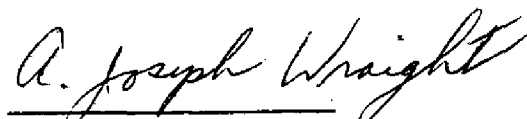
T-9126 -

Chugach National Forest

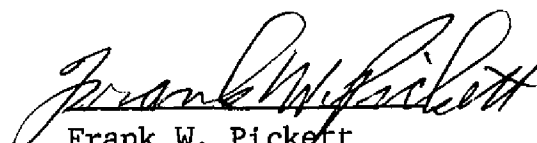
Foul Bay

Prince William Sound

Approved by:

  
A. Joseph Wraight  
Chief Geographer

Prepared by:

  
Frank W. Pickett  
Cartographic Technician

49. Notes for the Hydrographer

Shoreline and offshore features were compiled from a stereoscopic study of aerial photographs. They should be revised or completed by a field check.

FORM 1002(T-2) PHOTOGRAMMETRIC OFFICE REVIEW

MAP T-9126

PROJECT PH-152

No Form 1002(T-2) was available at the time of final review and none is bound with this Descriptive Report.

## FIELD EDIT REPORT

MAP T-9126

PROJECT PH-152

No record of field edit was available at the time of final review; therefore, no Field Edit Report is bound with this Descriptive Report.



## REVIEW REPORT T-9126

## SHORELINE

AUGUST 21, 1970

61. GENERAL STATEMENT:

See Summary on page 6 of this Descriptive Report.

An ozalid comparison print (pages 21 through 23), with differences noted in Items 62 through 65, is included with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with Survey T-3426, scale 1:20,000, dated 1913, and with Survey T-3676, scale 1:20,000, dated 1917. Differences between these surveys and T-9126 are shown on the comparison print with blue pencil.

The general trend of the shoreline is about the same, but the position of the mean high water line does not compare well. Numerous rocks are shown on the registered survey that are not visible on the photographs and do not appear on T-9126.

T-9126 supersedes previous topographic surveys for chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Because of the large difference in scale, only a visual comparison was made with U.S.G.S. Quadrangle SEWARD (C-3), ALASKA, scale 1:63,360, dated 1952. No significant differences were noted and none are shown on the comparison ozalid.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with an unverified copy of the smooth sheet for H-8606, which covers a small area of T-9126 in the vicinity of Port Nellie Juan Light. Differences between H-8606 and T-9126 are shown in purple on the comparison print.



65. COMPARISON WITH NAUTICAL CHARTS:

A visual comparison was made with Chart 8517, scale 1:80,000, 9th edition, dated April 28, 1969. Differences between this chart and T-9126 are shown in red on the comparison ozalid.

A rock awash indicated on the chart at latitude  $60^{\circ}36.0'$ , longitude  $148^{\circ}06.1'$  is not visible on the photographs.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This survey complies with Job Instructions, Bureau requirements, and the National Standards for Map Accuracy. No accuracy tests were run in the field.

Reviewed by:

*Charles H. Bishop*

Charles H. Bishop  
Cartographer  
August 21, 1970

Approved:

*Allen L. Powell*

Allen L. Powell, RADM, USESSA  
Director, Atlantic Marine Center

Approved:

*Charles L. Hemm*

Chief,  
Photogrammetric Branch *CH*

*Jack E. Luth*

Chief,  
Photogrammetry Division

JOINS SURVEY NO. T-7121

## COMPARISON PRINT

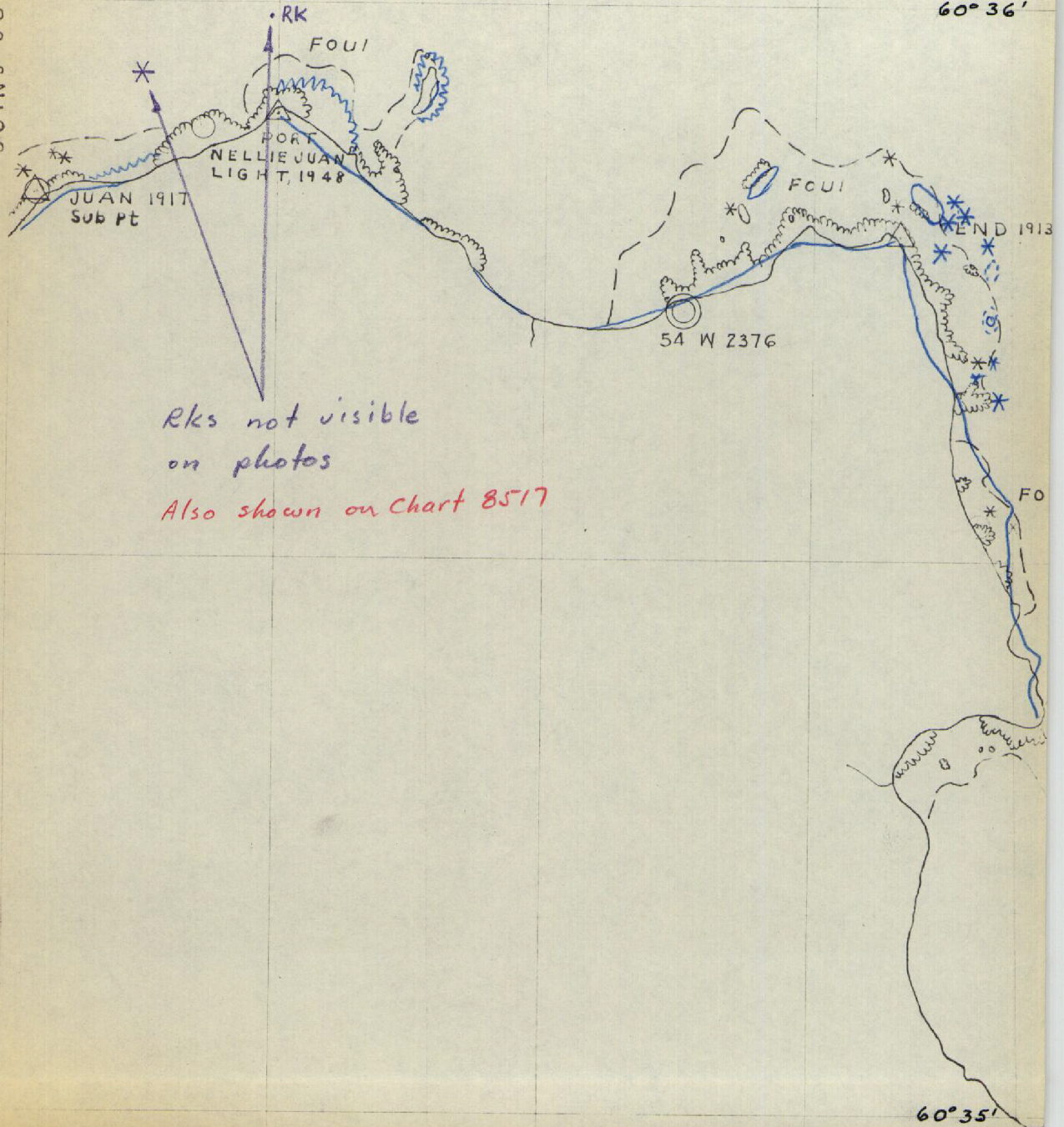
Blue = T-3676 and T-3426

Purple = H-8606

Red = Chart 8517

36'

60° 36'

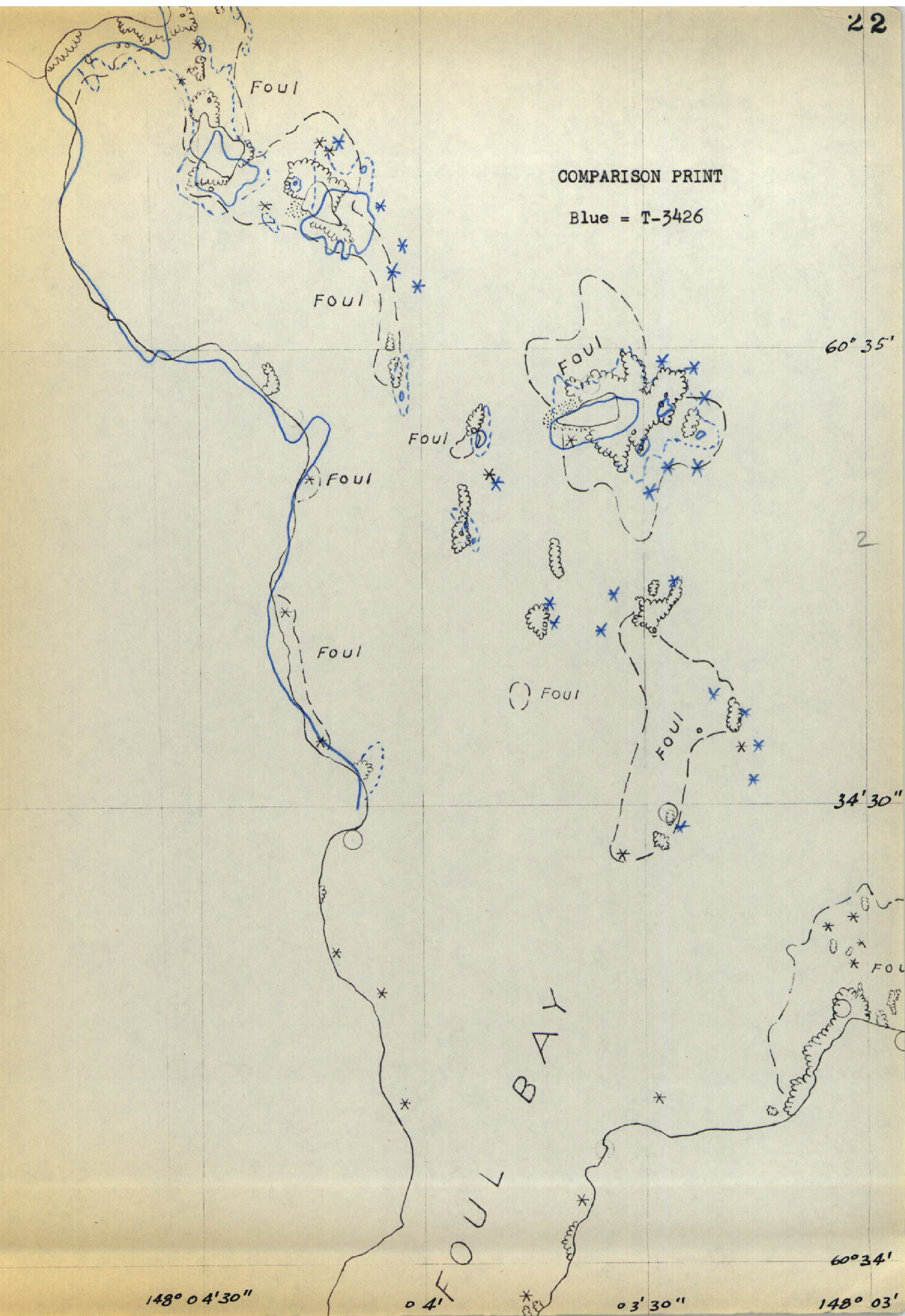


60° 35' 00"

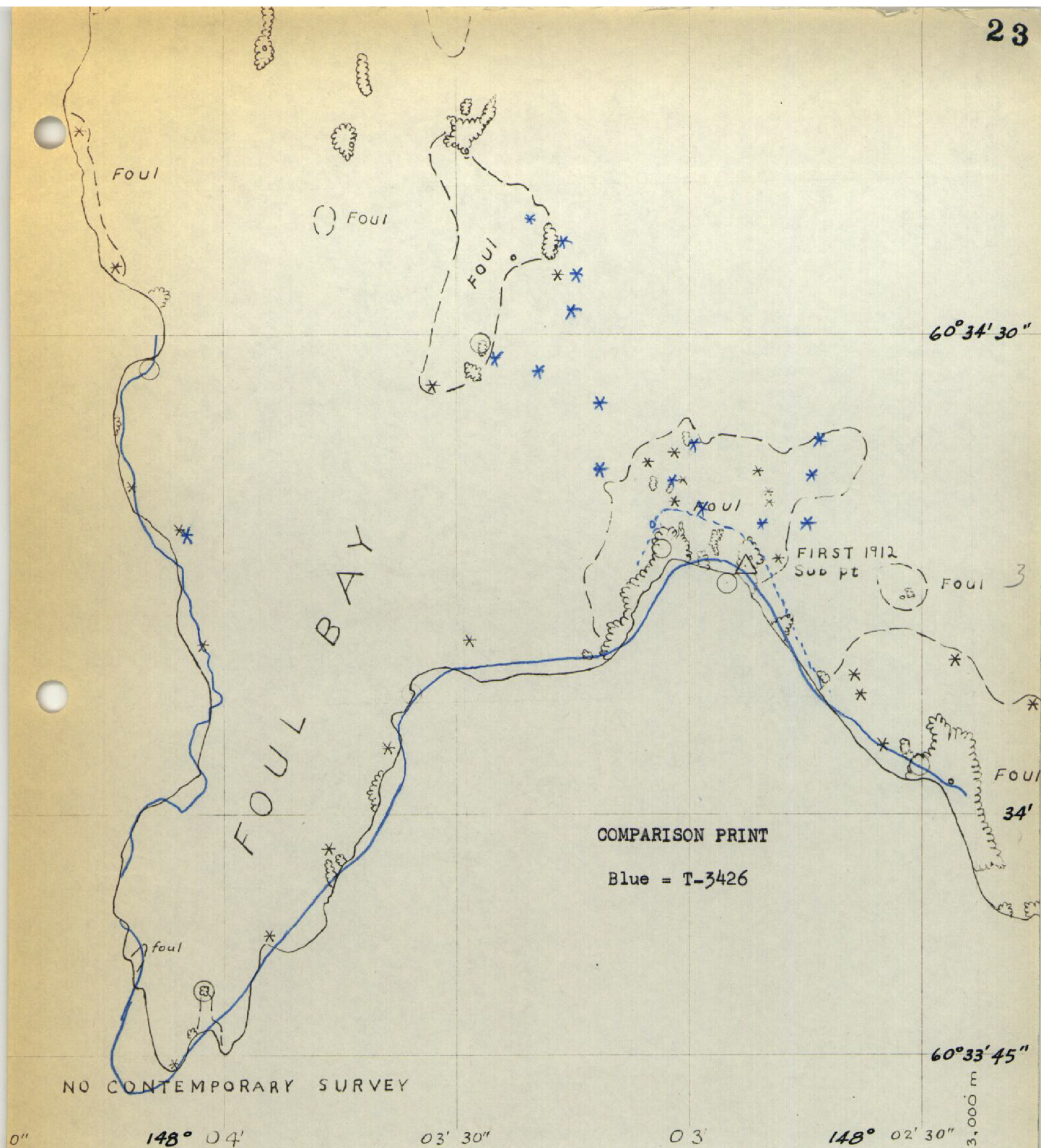


COMPARISON PRINT

Blue = T-3426







△ 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 July 1954

Date of Field Inspection      See Review Report

Date of Compilation 1956

Date of Field Edit See Review Report

~~Date of Final Review~~ Aug. 1970

SHORELINE MANUSC

T-9126

SCALE: 1:10,000

ALASKA

PRINCE WILLIAM SC

FOUL BAY

## NAUTICAL CHARTS BRANCH

SURVEY NO. 9126

### Record of Application to Charts

[illegible]

M-2168-1

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