

9125

Original

9125

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE
Field No.	Office No. T-9125
LOCALITY	
State	ALASKA
General locality	PRINCE WILLIAM SOUND
Locality	BLUE FIORD
1954	
CHIEF OF PARTY	
Office: L. W. Swanson	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5087

DATA RECORD

T - 9125

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 Supp.1
 14 March 1956 Supp.2

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): 1.0

Date received in Washington Office (IV): 9-18-56

Date reported to Nautical Chart Branch (IV): 9-18-56

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): None

Date:

Planetable contouring by (II): None

Date:

Completion Surveys by (II): None

Date:

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

Identified by office inspection on 26 July 1954 photographs.

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

Date: 1/10/55

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

Date: 1/10/55

Control plotted by (III): B. Hale

Date: 6/26/56

Control checked by (III):

Date:

Radial Plot or Stereoscopic J. Battley - R. Sugden

Date: 7/3/56

Control extension by (III):

Stereoscopic Instrument compilation (III):
Planimetry

Date:

Contours

Date:

Manuscript delineated by (III): R. L. Sugden

Date: 9/10/56

Photogrammetric Office Review by (III):

Date:

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

Date:

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

Number	Date	Time	Scale	Stage of Tide
2440-3	26 July 1954	1417	1:30,000	4.7
2380	"	1234	1:30,000	6.6
2484	"	1444	1:30,000	4.3

Tide (III)

Reference Station: Cordova, Alaska

Subordinate Station: Culross Bay

Subordinate Station:

Atlantic Marine Center

Washington Office Review by (IV): C. H. Bishop

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

Date: 10-8-70

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): 15 mi.

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:

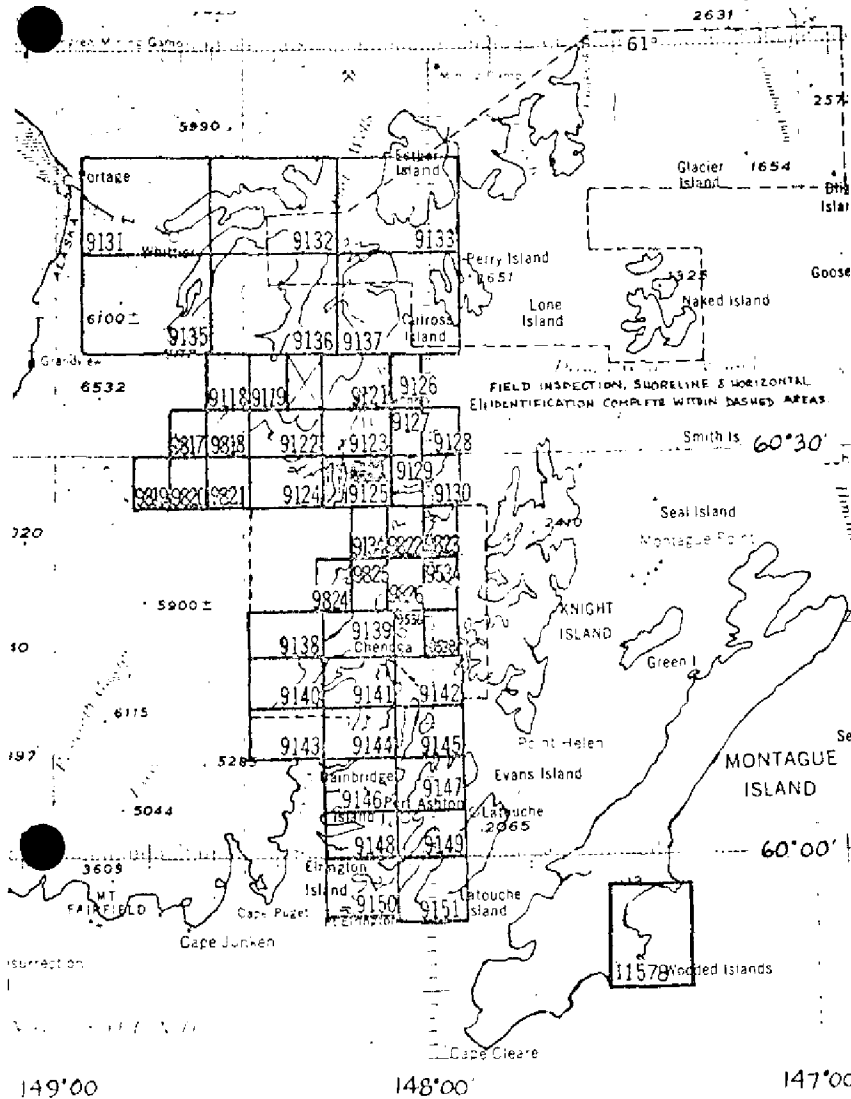
T-9125

COMPILATION RECORD	COMPLETION DATE	REMARKS
Shoreline for hydrography; INCOMPLETE	Sept. 1956	
Final Review	Oct. 1970	

PH - 152

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Prince William Sound, Alaska



OFFICIAL MILEAGE FOR COST ACCOUNT		AREA
SHEET NO.	SHORELINE	MILE
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	11	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	0
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-9125

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

This shoreline manuscript, scale 1:10,000, is one of 43 maps that comprise Project PH-152, which is in the western part of Prince William Sound. T-9125 includes Blue Fiord and the south end of McClure Bay.

Compilation was by radial plot at 1:10,000 scale, using ratio prints of 1954 single-lens photography and both field and office identified control. There was no field inspection and no record of field edit.

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

The compilation manuscript was a vinylite sheet 3 minutes 45 seconds in latitude by 11 minutes 15 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-9125

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 Port 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 templates 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 templates. 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

REMOVAL OF PLACED PLACED REPORT
Surveys T-9119 and T-9121 through T-9126

LIST OF CONTROL

T-9119

Vain, 1922 1.5 BE
This is 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
Well, 1917 Sub. Pt. 0.3 mm N
Negat, 1943 0.5 mm N (2 radials only)
Port, 1917 Held
Boes, 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
Ripe, 1943 Held*
Xylan, 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
Lier, 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)

Tert, 1948	Held
McClure J. Sable, 1948	Held
Valor, 1948 Sub. Pt.	0.3 mm N
Maltz, 1948 Sub. Pt.	Held

T-9124

Bill (USC), 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

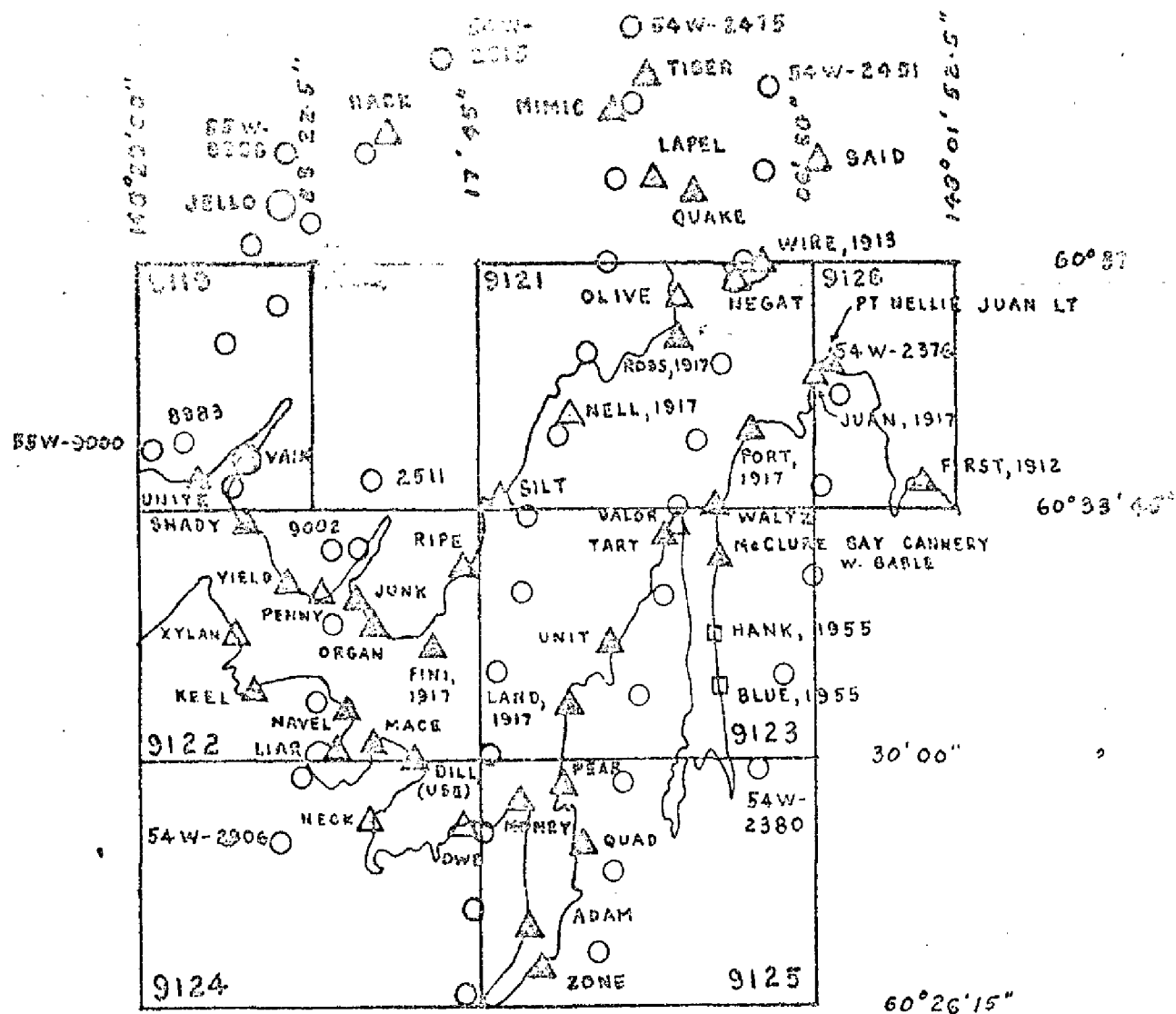
Port Nellie Juan Lt., 1948	Held
Juan, 1917, Sub. Pt.	0.3 mm E
First, 1912, Sub. Pt.	Held

N. of Area to be Mapped

Jollo/, 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)
Mimic, 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

(20102)



54W-2405 ○ 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 1940

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T.....	9125	PROJECT NO.....	6152	SCALE OF MAP.....	1:10000	SCALE FACTOR.....	1.0
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[illegible]

1 FT. = 3048006 METER

COMPUTED BY: B. Hale

DATE 6 April 1956

CHECKED BY: D. Carrier

DATE _____

7 April 1956

COMM-DC-57843

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31. Delineation - The manuscript was compiled by graphic methods using the projector to bring the compilation work sheets to the manuscript scale. Shoreline was delineated by office interpretation of the photographs without the benefit of field inspection.

The photography covering the west shore of Blue Fiord was poor in places with the shoreline obscured by shadows; hence the approximate MHWL symbol was used.

32. Control - Control was adequate for compilation purposes. For discussion of control see photogrammetric plot report filed with Descriptive Report T-9121.

32. and 34 - Applicable.

35. Shoreline and alongshore features - There was no shoreline inspection to aid in interpreting MHWL, MLWL or other alongshore features. The larger foreshore flats were included within shallow areas.

The MHWL and datum of rocks, reefs etc. were interpreted by utilizing the tide information and applying it to the photographs.

36. Offshore details - Inapplicable.

37. Landmarks and aids - None

38. Control for future surveys - None

39. Junctions - Junctions have been made with manuscripts T-9123 to North and T-9124 to West. There are no surveys to the South and East.

40. Horizontal and Vertical Accuracy - See 32 above. There are no areas considered subnormal. Vertical accuracy inapplicable

41. through 45. Inapplicable.

46. Comparison with existing maps.

Seward (B-4) Alaska, USGS, 1:63,360, 1952
T-3676 Scale 1:20,000, 1917

The two surveys (T-3676 and Seward B-4) are in general agreement with T-9125. As field inspection was lacking no detailed comparison was made.

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47. Comparison with Nautical Charts -

8551 Prince William Sound, 1:200,000 1952

8517 Prince William Sound, (Western Part) 1:80,000, 1950,
Corr. to 52-1/7.

Items to be applied to nautical charts immediately - none.

Items to be carried forward - None.

Submitted by:

Robert L. Sugden
Robert L. Sugden, Cartographer

Approved:

Everett H. Ramsey
Chief, Graphic Compilation Unit

August 28, 1970

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-152 (Alaska)

T-9125

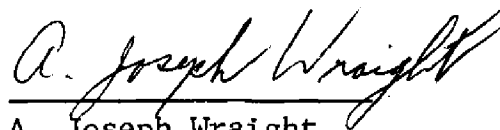
Blue Fiord

Chugach National Forest

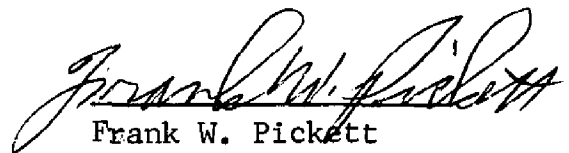
Division Point

McClure Bay

Approved by:

A. Joseph Wraight
Chief Geographer

Prepared by:

Frank W. Pickett
Cartographic Technician

49. Notes for the Hydrographer:

No notes for the hydrographer were with this report at the time of final review.

FORM 1002(T-2) PHOTOGRAMMETRIC OFFICE REVIEW

MAP T-9125

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-9125

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-9125

SHORELINE

OCTOBER 8, 1970

61. GENERAL STATEMENT:

See Summary on page 6 of this Descriptive Report.

An ozalid comparison print, (pages 21 through 23), showing differences with other surveys is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with Survey T-3676, scale 1:20,000, dated 1917. This survey was apparently on Valdez Datum. Only the south end of McClure Bay is common to both maps and only this area was compared.

Because there was no control in the comparison area, a projection based on N.A. 1927 datum was constructed on T-3676, using the position of station CIUR 1917 for the datum difference. This projection was matched to the projection on T-9125, using the vertical projector, and the T-3676 shoreline was traced on the comparison print.

In horizontal position, the comparison was poor; in form, the general shape of the shoreline compares more favorably.

See Item 62 in the Review Report for T-9123.

T-9123 supersedes T-3676 for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A visual comparison was made with U.S.G.S. Quadrangle SEWARD (B-4), ALASKA, scale 1:63,360, dated 1951. No significant difference was noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with Survey H-8595, scale 1:10,000, dated 1961. Apparently T-9125 was used as a base map for shoreline in the area compared.

A rock awash at approximate latitude $60^{\circ} 29.6'$, longitude $148^{\circ} 14.8'$ was not visible on the photographs and is not shown on T-9125.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 8517, scale 1:80,000, 9th edition, dated April 28, 1969. No significant differences were noted.

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
October 8, 1970

Approved:

Allen L. Powell

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

Approved:

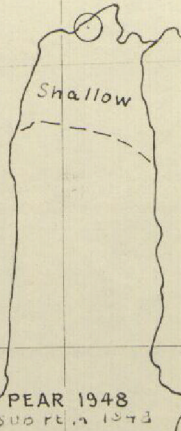
Charles L. Lamm
Chief, Photogrammetric Branch *DLB*

Jack E. Luth
Chief, Division of Photogrammetry

148° 15' 00"

14'

60° 30'

PEAR 1948
SUORE, 1943

1948

COMPARISON PRINT

Brown = SEWARD (B-4)

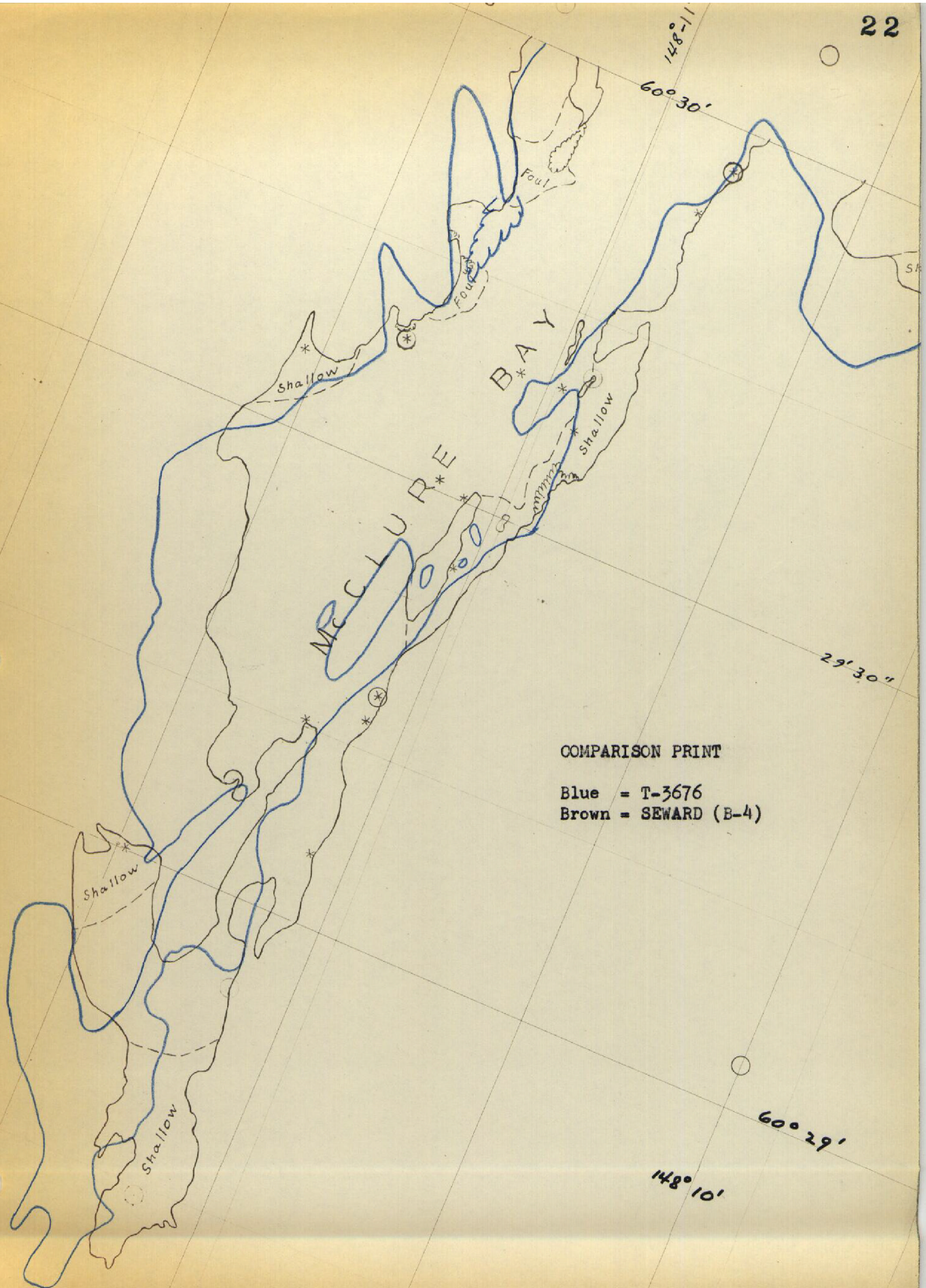
Purple = H-8595

Shallow

60° 29'

148° 15'

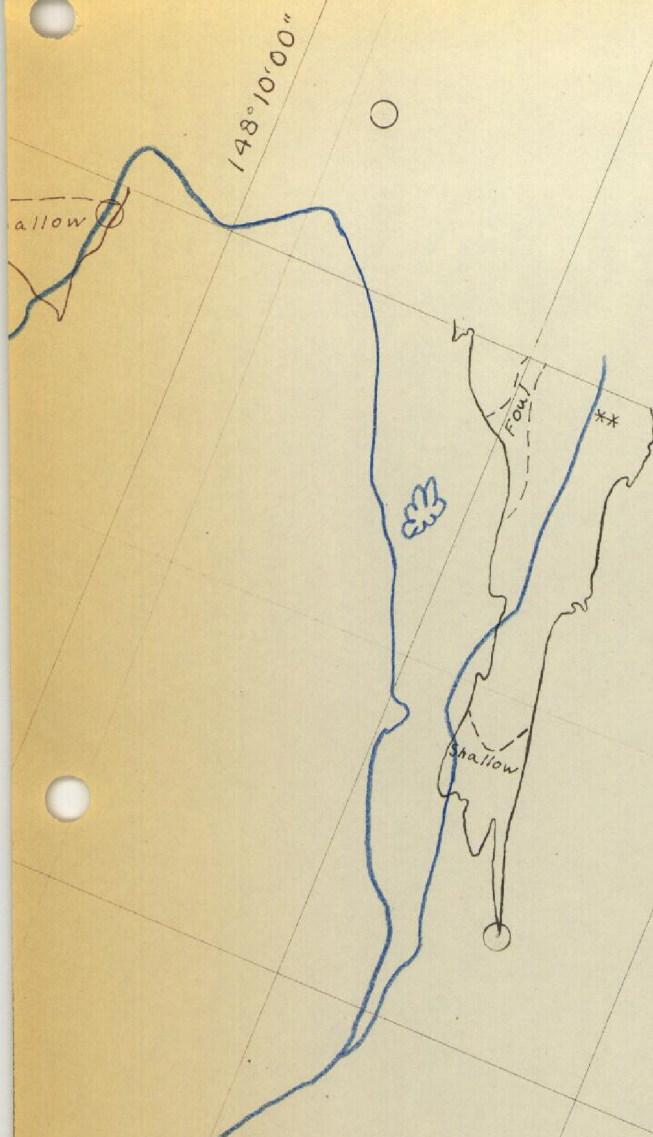
Shallow



COMPARISON PRINT

Blue = T-3676

Brown = SEWARD (B-4)



COMPARISON PRINT

Blue = T-3676

Brown = SEWARD (B-4)

Purple = H-8595

148° 09'
60° 29'148° 08'
60° 30'

NAUTICAL CHARTS BRANCH

SURVEY NO. 9125

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.