

9123

T-9123 (INCOMPLETE)
(Original)

9123

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey <u>Shoreline</u>	
Field No.	Office No. <u>T-9123</u>
LOCALITY	
State <u>Alaska</u>	
General locality <u>Prince William Sound</u>	
Locality <u>McClure Bay</u>	
<u>1954</u>	
CHIEF OF PARTY	
Office: <u>L. W. Swanson</u>	
LIBRARY & ARCHIVES	
DATE	

DATA RECORD

T- 9123

Project No. (II): 152

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. 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): MHW

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):

Identified by office inspection on 26 July 1954 photographs

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

Date: 12/20/54

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 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. Sugden

Date: 7/15/56

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)
2481-4	26 July 1954	1444	1:30,000	4.3
2444-5	"	1417	"	4.7
2378-9	"	1234	"	6.6

Tide (III)

Diurnal

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

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

Atlantic Marine Center
~~Washington Office~~ Review by (IV):

C. H. Bishop

Date: 09-04-70

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): 17 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):

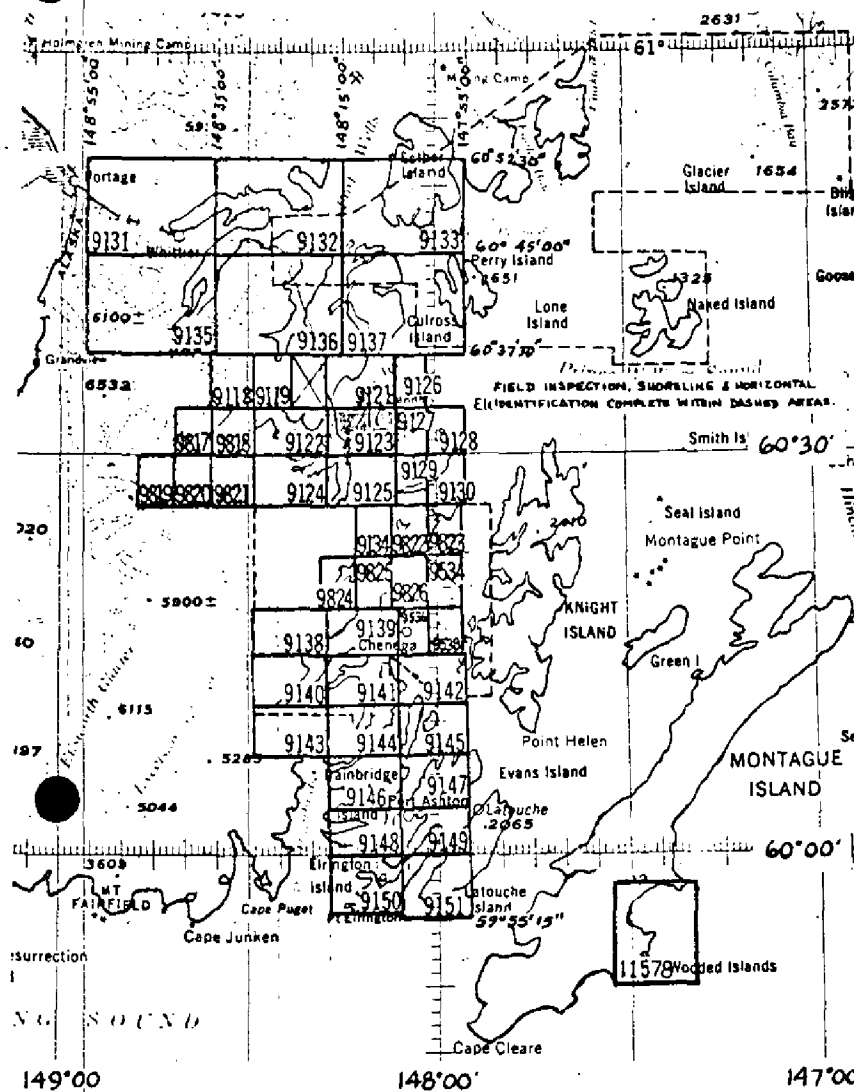
Remarks:

T-9123

COMPILATION RECORD	COMPLETION DATE	REMARKS
INCOMPLETE shoreline for hydrography	July 1956	
Final Review	Sept. 1970	

SHORELINE MAPPING PROJECT PH-152

Prince William Sound, Alaska



OFFICIAL MILEAGE FOR COST ACCOUNT

SHEET NO.	LIN. MI. SHORELINE	AREA MI.²
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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	2
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	0
9534	6	4
9536	6	6
9538	4	1
9817	9	10
9818	11	5
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-9123

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, scale 1:10,000, is one of 43 sheets that comprise Project PH-152, which is located in the western part of Prince William Sound. T-9123 includes the east side of Port Nellie Juan and McClure Bay.

Compilation was by radial plot in 1956, using single-lens photography of 1954. There was no field inspection prior to compilation; classification is "Incomplete."

Photo-hydro support was furnished to the ship BOWIE in 1961.

There was no record of field edit available to the final reviewer.

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

The compilation manuscript was a vinylite sheet 3 minutes 45 seconds in latitude by 10 minutes 45 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-9123

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.

PHOTOGRAMMETRIC 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 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 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. Ramsey

Everett H. Ramsey
Chief, Graphic Compilation Unit

PHOTOGRAMMETRIC PLOT REPORT
 Surveys T-9119 and T-9121 through T-9126

LINE OF CONTROL

T-9119

Vain, 1923 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
Nell, 1917 Sub. Pt.	0.3 mm N
Negat, 1948	0.5 mm N (2 radials only)
Port, 1917	Held
Ross, 1917 Sub. Pt.	Held
Olive, 1948	1.0 mm NE*
Wire, 1913 Sub. Pt.	Held

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

T-9122

Yield, 1948 Sub. Pt.	Held
Shady, 1948 Sub. Pt.	Held
Pipe, 1948	Held*
Kylan, 1948 Sub. Pt.	0.3 mm NE
Penny, 1948	0.4 mm NE**
Junk, 1948	Held
Organ, 1948 Sub. Pt.	Held
Finl, 1917	Held
Keel, 1948 Sub. Pt.	Held
Liar, 1948 Sub. Pt.	0.3 mm E (2 radials only)
Mace, 1948 Sub. Pt.	Held (2 radials only)
Navel, 1948	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, 1948 Sub. Pt.	Held

- 2 -

T-9123 (continued)

Tart, 1948	Held
McClure W. Gable, 1948	Held
Valor, 1948 Sub. Pt.	0.3 mm N
Kaltz, 1948 Sub. Pt.	Held

T-9124

Dill (USS), 1948 Sub. Pt.	Held
Owe, 1948 Sub. Pt.	0.3 mm S (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

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)
Mimic, 1948 Sub. Pt.	Held
Lapel, 1948 Sub. Pt.	1.0 mm SE (very doubtful field identification - 3 points pricked on field photograph)
Tiger, 1948 Sub. Pt. A	Held
Sub. Pt. B	Held



- ☒ 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

MAP T-9123...

[illegible]

1 FT. = 3048006 METERS

COMPUTED BY:.....

Compilation Report T-9123

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, the only field inspection being in the local area of the McClure Bay Cannery.

The photography was adequate for delineation of the shoreline.

32. Control

Control was adequate for compilation purposes. For discussion of control see photogrammetric plot report filed with Descriptive Report T-9121. The position of Triangulation Station SCAR 5, 1948 is apparently in error as no corresponding physical feature falls at its published position. It was deleted from the manuscript. Form 526 has been submitted to the Geodesy Division.

Nos. 33 and 34 - Inapplicable.

35. Shoreline and alongshore features

There was no shoreline inspection to aid in interpreting MHWL, MLWL or other alongshore features. (See 31 above.) The larger foreshore flats were delineated and are shown as shallow areas.

The MHW line and datum of rocks, reefs, etc. were interpreted, utilizing the tide information and applying it to the photographs. The only cultural features are at the Copper River Canning Company along the northeast shoreline of the sheet.

36. Offshore details - Inapplicable.37. Landmarks and aids - None

38. Control for future surveys - Two recoverable topographic stations have been located by radial plot. Forms 524 are filed in the Photogrammetry Division.

These recoverable topo stations are listed under Item 49.

39. Junctions - Junctions have been made with T-9121 to North, T-9122 to East and T-9125 to South.

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 (C-4) Alaska, USGS, 1:63,360, 1952
T-3676 scale 1:20,000, 1917

These two prior surveys are in general agreement with T-9123. As field inspection was lacking no detailed comparison was made.

47. Comparison with Nautical Charts

8551 Prince Wm. Sound, 1:200,000, 1952
8517 Prince Wm. Sound (Western Part) 1:80,000, 1950

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. Ramey
Everett H. Ramey
Chief, Graphic Compilation Unit

August 28, 1970

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-152 (Alaska)

T-9123

Chugach National Forest

McClure Bay

Port Nellie Juan (water body)

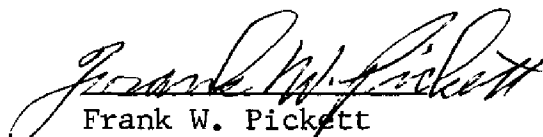
Port Nellie Juan (locality)

Approved by:



A. Joseph Wraight
Chief Geographer

Prepared by:



Frank W. Pickett
Cartographic Technician

FORM 1002(T-2) PHOTOGRAMMETRIC OFFICE REVIEW

MAP T- 9123

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-9123

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-9123

SHORELINE

SEPTEMBER 4, 1970

61. GENERAL STATEMENT:

See Summary on page 6 of this Descriptive Report.

An ozalid comparison print (pages 22 through 27), showing differences noted in Items 62 through 65, is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with Survey No. 3676, scale 1:20,000, dated 1917. This map is assumed to be surveyed on Valdez datum. There was very little control common to T-3676 and T-9123 for comparison.

A projection for NA 1927 datum was drawn on T-3676, using the position of Station CLJR for the datum difference. Projection intersections at the north and south end of McClure Bay were used to control shoreline comparison in the bay and Stations LAND and CLJR were used to control shoreline comparison between these stations in Port Nellie Juan.

The geographic position of shoreline compares more favorably at the north side of the sheet than at the south, the difference becoming increasingly greater from north to south. The general shape of the shoreline compares favorably.

Differences between T-3676 and T-9123 are shown in blue on the comparison print.

T-9123 supersedes previous topographic surveys for chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A visual comparison was made with U.S.G.S. Quadrangle SEWARD (C-4), ALASKA, scale 1:63,360, dated 1952. Differences between this survey and T-9123 are shown in brown on the comparison print.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with unverified copies of smooth sheets for surveys H-8594, scale 1:10,000, dated 1961, T-8595, scale 1:10,000, dated 1961, and T-8606, scale 1:10,000, dated 1961. Differences between these surveys and T-9123 are shown on the comparison print in purple.

Apparently T-9123 was used as the base map for shoreline for these surveys as there are no significant differences in the mean high water line.

Several rocks awash that are not visible on the photographs and are not mapped on T-9123 were noted on the hydrographic surveys. These are indicated on the comparison print.

At latitude 60°32.85', longitude 148°09.9' it was not clear on the copy of H-8595 whether or not a rock was indicated or if the rock was awash or submerged. It is in the same vicinity as a submerged rock indicated on Chart 8517 and SEWARD (C-4).

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-9123 are indicated in red on the comparison print.

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
September 4, 1970

Approved:

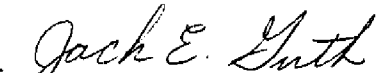


Allen L. Powell, RADM, USESSA
Director, Atlantic Marine Center

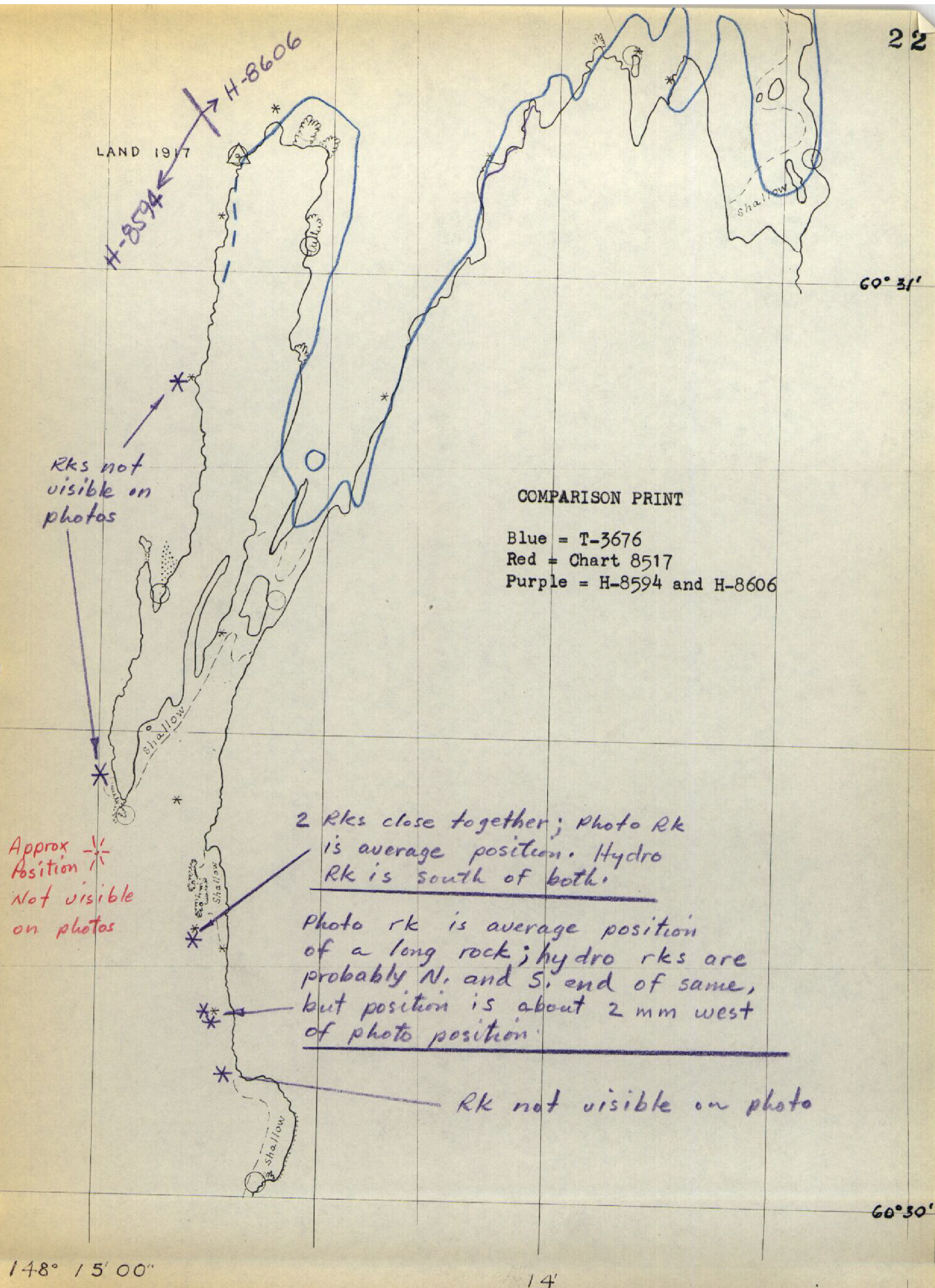
Approved:



Chief,
Photogrammetric Branch, JLB



Chief,
Photogrammetry Division



UNIT 1948

Comparison Print

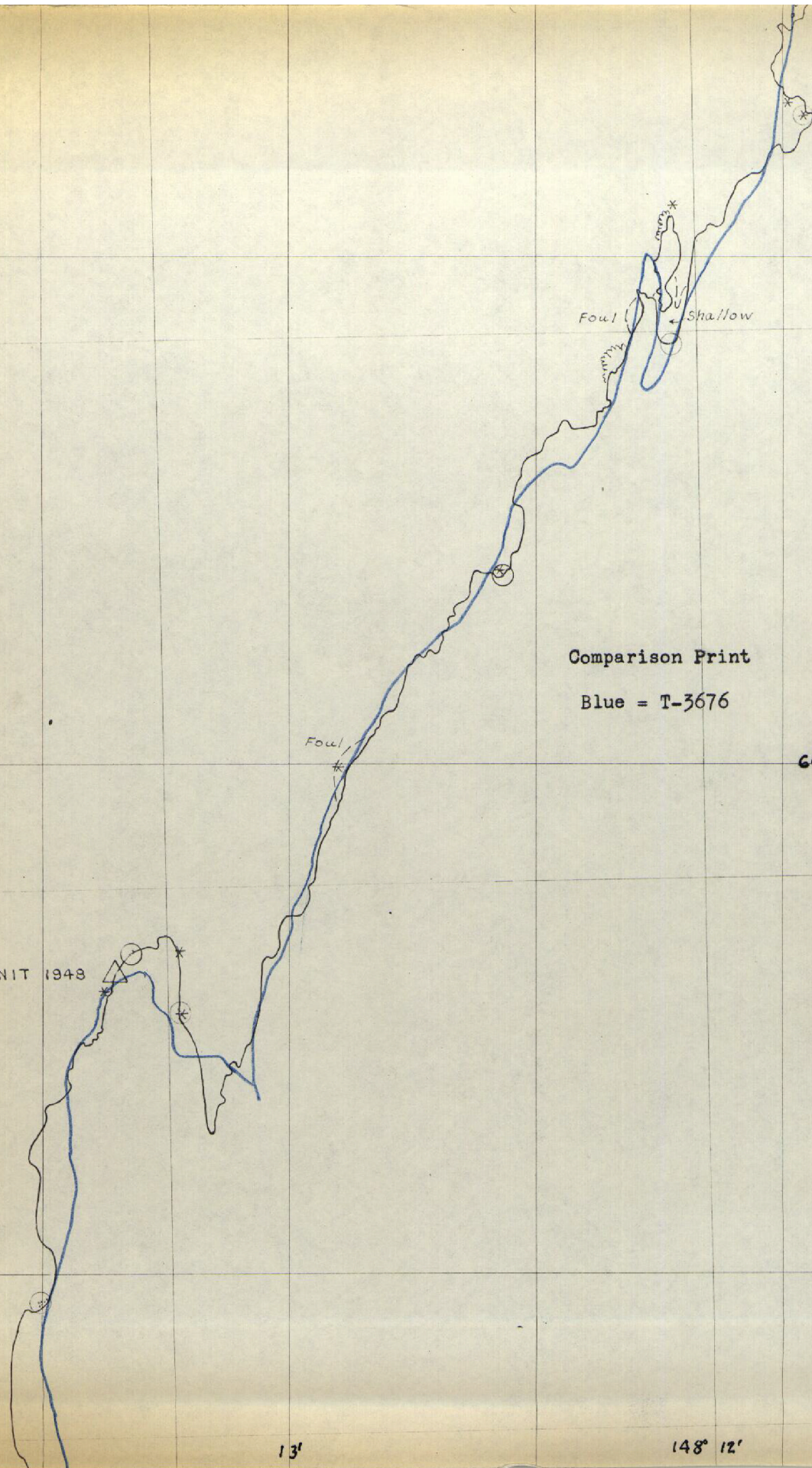
Blue = T-3676

60° 32'

31' 30"

13'

148° 12'



VEY T-9121

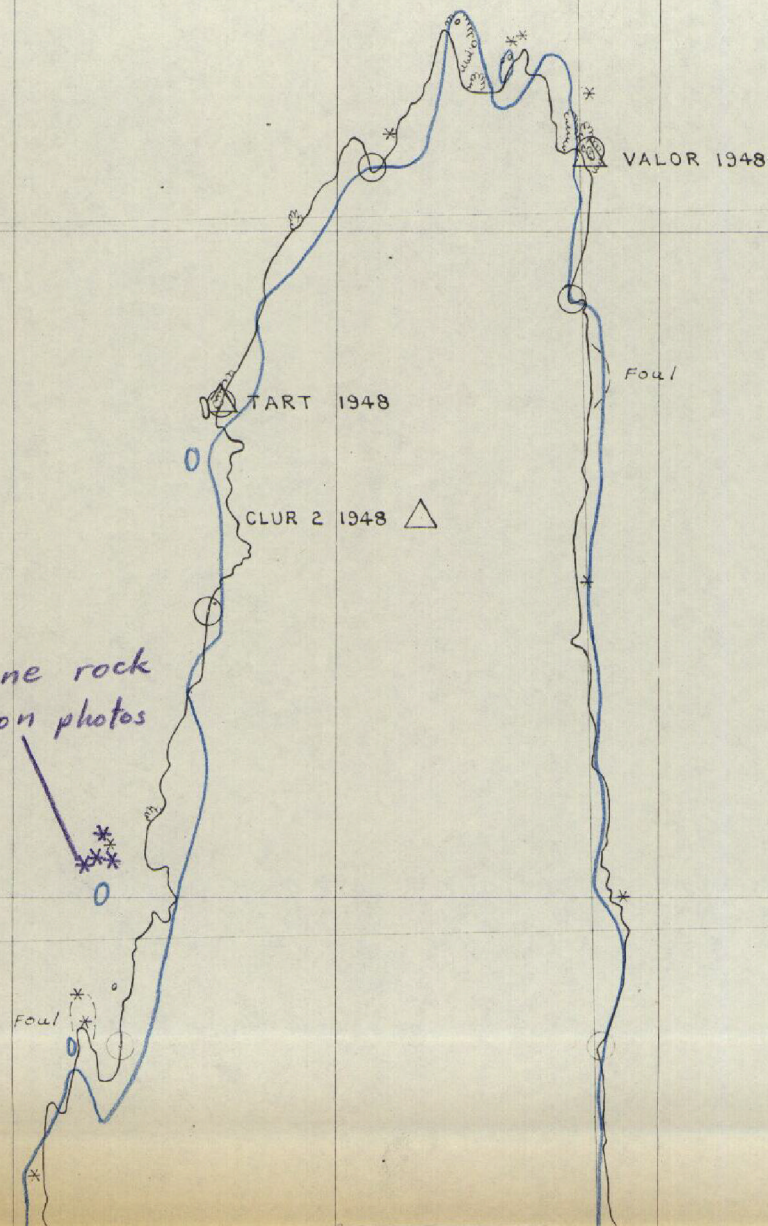
COMPARISON PRINT

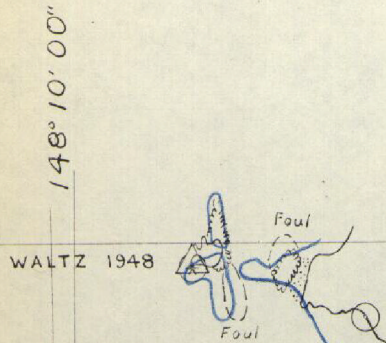
Blue = T-3676
Purple = H-8606

Only one rock
visible on photos

12'

143° 11'





148° 09'

60° 33' 45"

COMPARISON PRINT

Blue = T-3676
 Red = Chart 8517
 Purple = H-8595
 Brown = SEWARD (C-4)

(A) - See page 28

Concerning removal of rock
 & obstruction from T-9123
 6/8/76

54 W 2446

Not visible on photos

Not visible on photos.
 C-4 shows Subm Rk

Subm Rk
 on Chart
 8517

Mc CLURE BAY PORT NELLIE JUAN
 CANNERY WEST GABLE 1948

TANK
 COPPER RIVER
 CANNING CO

Aqueduct

Rock

Rok

not visible on photo

60° 33' 00"

Not visible on photo

Not visible on photo

Not visible on photo

COMPARISON PRINT

Blue = T-3676
Purple = H-8595

BAY

Mc CLURE

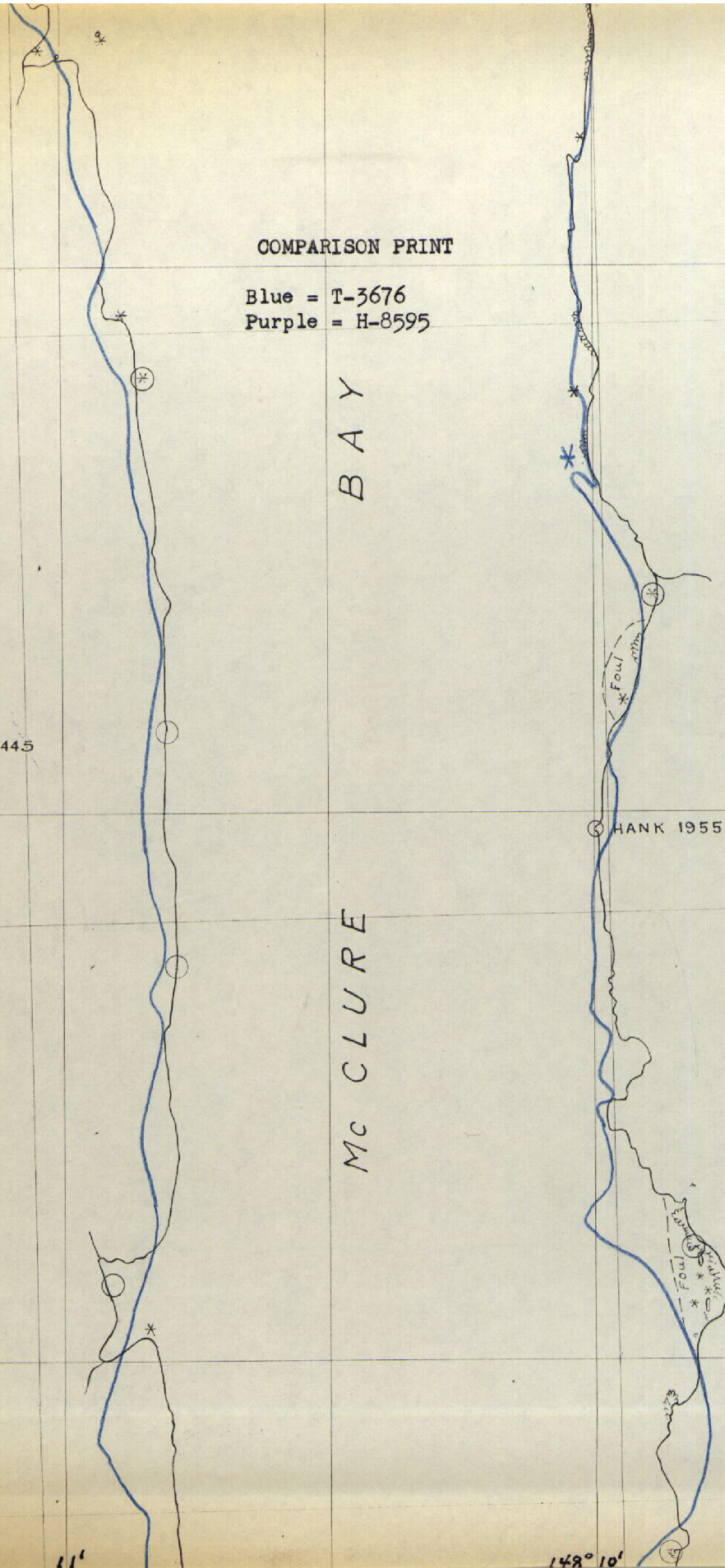
54 W 244.5

HANK 1955

60° 32'

31' 30"

148° 10'



COMPARISON PRINT

Blue = T-3676
Purple = H-8595

60° 31'

BLUE 1955

H-8595 revised

only one Rk
visible on photo

Foul
60° 30'

11'

148° 10' 00"

(Descriptive Report, T-9123)

The rock and the obstruction indicated by label "(A)" on page 25 were removed from registered map and negative on June 8, 1976. Removal was reported to the Marine Chart and Marine Surveys Divisions.

The rock was shown (compiled from office interpretation of photos) on the Incomplete (Class III) Manuscript, a copy of which was furnished for hydro support H-8595, 1961.

The area was investigated by the hydrographer at -3.0 ft. MLLW tide stage. The rock was removed from the hydro survey sheet by the hydro survey activity. Its deletion was not reported to the Coastal Surveys Division. As indicated on the Comparison Sheet (page 25), the photogrammetric survey final reviewer could not see a rock image on the photos covering this area.

The obstruction was reported as non-existent by the hydrographer.

D. Blundell

NAUTICAL CHARTS BRANCH

SURVEY NO. 9/23

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.