

11578

11578  
11578

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE
Field No.	Office No. T-11578
LOCALITY	
State	ALASKA
General locality	PRINCE WILLIAM SOUND
Locality	PATTON BAY, MONTAGUE ID.
1943 - 1956	
CHIEF OF PARTY	
Curtis Le Fever, Field	
V. Ralph Sobieralski, Portland Photogram-	
Metric Office	
LIBRARY & ARCHIVES	
DATE	

DESCRIPTIVE REPORT - DATA RECORD

T- 11578

Project No. (II): PH-152      Quadrangle Name (IV):

Field Office (II): U.S.C. & G.S.S. BOWIE

Chief of Party: Curtis Le Fever

Photogrammetric Office (III): Portland, Oregon

Officer-in-Charge: V. Ralph Sobieralski

Instructions dated (II) (III): 11 December 1956 (Office)  
Supplement 3

Copy filed in Division of  
Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:20,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): None

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):

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): RIVER 2 1956

Lat.: 59° 54' 43.376" 1342.4m      Long.: 147° 29' 47.742" 742.0m

Adjusted  
Unadjusted X

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.

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): Ensign J. Frank May, Jr., USC&GSS BOWIE

Date: Season 1956

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): Located by field inspection in Summer 1956 on 9 lens photographs taken in June 1943. Verified and refined by stereoscopic examination of photographs in Portland and then compiled.

Projection and Grids ruled by (IV):

Date:

Projection and Grids checked by (IV):

Date:

Control plotted by (III): J. L. Harris

Date: February 1957

Control checked by (III): R. B. Melby

Date: February 1957

Radial Plot or Stereoscopic Control extension by (III): J. L. Harris

Date: February 1957

Stereoscopic Instrument compilation (III):  
Planimetry  
Contours

Date:

Date:

Manuscript delineated by (III): J. L. Harris

Date: February 1957

Photogrammetric Office Review by (III): J. E. Deal

Date: February 1957

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

Date:

**DESCRIPTIVE REPORT - DATA RECORD**

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

Camera (kind or source) (III): U.S.C. & G.S. 9 lens - Focal length 8.25

Number	Date	Time	Scale	Stage of Tide
14057	6/8/43	11:49	1:20,000	Approximately M.L.L.W.
14058(1) thru 14058(15)	6/8/43	12:20	1:20,000	Approximately M.L.L.W.

Tide (III)

Reference Station: CORDOVA, ALASKA  
Subordinate Station: Macleod Harbor  
Subordinate Station:

Ratio of Ranges	Mean Range	Diurnal <del>Range</del> Range
H=1.1 L=0.1	9.0	11.3

Washington Office Review by (IV):

Date:

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 6  
Shoreline (More than 200 meters to opposite shore) (III): 28  
Shoreline (Less than 200 meters to opposite shore) (III): None  
Control Leveling - Miles (II):  
Number of Triangulation Stations searched for (II): 11      Recovered: 11      Identified: 4  
Number of BMs searched for (II):      Recovered:      Identified:  
Number of Recoverable Photo Stations established (III):  
Number of Temporary Photo Hydro Stations established (III): 54\*

Remarks:

\* Located by observations in field and field computation positions plotted on manuscript.



T-11578

COMPILATION RECORD	COMPLETION DATE	REMARKS
Shoreline compiled	February 1957	
Final review	March 1971	

# SHORELINE MAPPING PROJECT PH-152

Prince William Sound, Alaska

OFFICIAL MILEAGE FOR COST ACCOUNTING  
LIN. MI. AREA SQ.  
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	8
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-11578

Several years have elapsed between the compilation and final review of this map. No photographs were available at the time of final review. The compilation record was added by the final reviewer.

This shoreline manuscript, scale 1:20,000, is one of 43 maps that comprise Project PH-152, which is in the western part of Prince William Sound. T-11578 is the southeasternmost map in the project and is detached from the other maps. It is on the southeast side of Montague Island.

Compilation was by radial plot in February 1957, using nine-lens photographs taken in June 1943. Field inspection was accomplished in the summer of 1956.

There is no record of field edit of this map.

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

The compilation manuscript was a vinylite sheet 8 minutes in latitude by 13 minutes in longitude.

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

FIELD INSPECTION REPORT  
PATTON BAY

7.

PROJECT 12770  
Ship BOWIE

Curtis Le Fever  
Chief of Party

2. AERIAL FIELD INSPECTION:

The area inspected was the shoreline in Patton Bay from Latitudes  $59^{\circ} 50'$  to Latitude  $59^{\circ} 58'$  and Longitude  $147^{\circ} 32'$  to  $147^{\circ} 20'$ . Outlying rocks and shoreline of Islands in the Patton Bay area were also inspected.

Details inland were not required.

The quality of photographs was sub-standard and in some cases coverage was inadequate. 1:20,000, nine lens office photographs were available and had to be used as field photographs. In some cases shadows covered the shoreline. Since photographs were taken, there has been changes in terrain. There are slide areas and beaches which are not the same as in 1943 when the photography was done. In the beach areas there are logs behind the high water line that show up a light color and are marked on the photos. Accurate measurements could not be taken to HWL in some areas due to changes since the photographs were taken. Along most beach areas however the HWL has remained very near the same as it was when photographed.

In order to comply with instructions for accuracy it was deemed necessary to locate a large number of control stations. There were a large number of stations available since the hydrographic signals were located by theodolite. They are listed as 4th order intersection stations.

The degree of accuracy is indicated on control identification cards. Due to the photographs being substandard, the accuracy of identification is substandard. However, with the large number of control stations identified it is believed it will be possible to get an accurate plot.

3. HORIZONTAL CONTROL:

The following is a list of control stations used.

Control established by this field party in 1956 and located by triangulation:

BED	Sub. Pt. DOC	HAT	RAT
BIG	FAR	HIGH	SAG
BOB	FLY	HUT	ZAG
COO	GAR	IDA	
	GEM	MAD	

Control stations used of previous 3rd order triangulation:

POINTED ROCK, 1933      G.P. N.A. 1927 Datum, Vol. VI, Page 320  
Prince William Sound, Montague Strait

3rd Order triangulation established:

RIVER 2, 1956  
SHIRT 2, 1956 Sub. Pt.

## Azimuth Station SAL.

For orientation of plot, azimuth station SAL was cut in. The station is the highest point of a high pinnacle rock. It was located by means of a cut from SHIRT 2, 1956, and also located by sextant fixes.

STATION:	SHIRT 2, 1956	0	1	"
SOFT 2, 1956		00	00	00.0
SAL		316	05	53.3

4. VERTICAL CONTROL:

Inapplicable.

5. CONTOURS AND DRAINAGE:

All streams previously located by office compiler were in existence except one that is shown on photograph 14058-3. High seas have washed logs upon the beach causing the stream to be dammed up. This has backed the water up and it is believed that the stream is now flowing out of stream bed marked on photo as existing.

6. WOODLAND COVER:

Not applicable.

## 7.

(a) The mean high water line was drawn in, in areas where it is not evident and along such areas as bluffs or cliffs the HWL is noted as at foot of cliff.

(b) Low water line to be determined by hydrographic party.

(d) Cliffs are noted on photos. There has been recent slides in some cliff areas and are noted.

(e) Landings - beaches are listed as steep or gentle sloping.

8. OFFSHORE FEATURES:

All islands and rocks were visited and noted on photographs. Shoreline details of islands are given. Some of the larger rocks were located by triangulation. High water rocks and rocks awash that do not show on photographs should be determined by hydrographic party.

9. LANDMARKS AND AIDS:

There are no fixed aids to navigation within the area of this survey. No floating aids nor landmarks for charts.

10. BOUNDARIES, MONUMENTS AND LINES:

Inapplicable.

11. OTHER CONTROL:

None

12. OTHER INTERIOR FEATURES:

No interior features to note;

13. GEOGRAPHIC NAMES:

The names that appear on the various charts are the accepted names.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA:

Recovery notes for triangulation are being submitted to Washington Office.

Geograph<sup>ic</sup> Positions of intersection stations will be submitted with this report.

Control station identification cards for all control identified on the photographs are submitted with this report.

Respectfully submitted:

*J. Frank May, Jr.*  
J. Frank May, Jr.  
Ensign, C&GS

APPROVED:

*Curtis Le Fever*  
Curtis Le Fever  
Commander, C&GS  
Chief of Party

PHOTOGRAMMETRIC PLOT REPORT  
Map Manuscript T-11578  
Project 27340

21. Area covered:

This radial plot covers the southeast shoreline of Montague Island between Box Point and Jeanie Point. It includes the shorelines of Patton Bay and the offshore island group known as Wooded Islands. Map manuscript No. T-11578 covers the entire area.

22. Method:

The photographs were prepared for radial plot purposes by the usual methods. A master calibration templet was not available because the photographs were taken in 1943 previous to the establishment of the Ohio Calibration Area. On these photographs double images appear along most of the outer chamber mask lines.

Templets were made on acetate material without attempting to correct for transforming errors, but an attempt was made to correct for paper distortion by using the mask line fiducial marks on Master Calibration Templet 15445. The radial plot made with these templets gave unsatisfactory results.

There were many horizontal control stations identified and most of these were hydrographic signals located by observations with a theodolite as intersection stations of less than 3rd order accuracy. Some of these identifications were very doubtful and it was difficult to transfer the identifications to other photographs on which they appeared. The identified control stations were therefore evaluated according to how positive any station might be transferred to the office photographs.

The final photogrammetric plot was accomplished as follows:

The center chambers of Photographs Nod. 14058(10) and 14058(13) were well controlled and the locations of the principal points of these photographs were fixed by orienting their center chambers to the control. Radials to pass points in other chambers of these two photographs, which contained other identified control stations, were then drawn on the manuscript rotating the photographs chamber by chamber. This operation located a number of two cut resections on pass points from which other principal points could be fixed. By holding to the carefully drawn azimuth lines of the photographs, slight adjustments could be made to assure a very good location for all photograph principal points. In this manner the radial plot was developed to a point where four or more radials resected at each pass point and

enough pass points were located to control the orientation of each chamber of each photograph for the entire radial plot area.

The pass points and principal point locations have been circled on the reverse side of the manuscript using Craftint #111 red plastic ink.

23. Adequacy of control:

The control was adequate except as stated under Item 22.

The identified images for station BIG 1956, HAT 1956, and GAR 1956 could not be held to the plotted field computation positions of these stations.

The radial plot location of the identification of station BIG 1956 falls about 850 meters northeast of the plotted field computation position and at approximately the same location as station WHO 1956.

The radial plot location of the identification of station HAT 1956 falls about 280 meters northeast of the plotted field computation position. The radial plot positions of both stations may be the result of misidentification in the field.

The radial plot location of the identification of GAR 1956 falls about 310 meters due north of the plotted field computation position. This distance is about 10 seconds of latitude and the error could be typographical and made when entering the position in the list of geographic positions.

Other instances believed advisable to note are as follows:

The sub station for SHIRT 2 1956 and GIG 1956 plot at about the same spot. The compiler had no way of telling if a signal for hydrographic use called GIG 1956 had been selected at sub station SHIRT 2 1956.

The same condition exists between stations ISLE 1933 and OX 1956.

24. Supplemental data:

None.

25. Photography:

The photography was adequate for coverage but inadequate for use of the latest methods for making radial line plots with 9



lens photographs.

Approved:

*V. Ralph Sobieralski*  
V. Ralph Sobieralski  
LCDR. C&G Survey  
Officer-in-Charge

Respectfully submitted:

*J. Edward Deal*  
J. Edward Deal  
Cartographer  
C&GS



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

MAP T-11578

PROJECT NO. 27340

SCALE OF MAP 1:20,000

SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $\chi$ -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)
SHIRT 2 1956	Field	N.A.	59 52	10.159			314.4	(1542.5)	
	Comp.	1927	147 24	55.648			866.0	( 67.7)	
Sub Pt.	Office	"	59 52				284.7	(1572.2)	
SHIRT 2 1956	Comp.	"	147 25				58.3	( 875.4)	
POINTED ROCK 1933	G 8648	"	59 54	10.618			328.6	(1528.3)	
	VI 320	"	147 26	21.286			330.9	( 601.8)	
RIVER 2 1956	Field	"	59 54	43.376			1342.4	( 514.5)	
	Comp.	"	147 29	47.742			742.0	( 190.5)	
Topo. Station	"	"	59 57	32.012			990.7	( 866.2)	
BED 1956	"	"	147 20	28.884			448.3	( 482.9)	
BIG 1956	"	"	59 56	55.098			1705.2	( 151.7)	
	"	"	147 28	03.435			53.3	( 878.2)	
BOB 1956	"	"	59 57	47.632			1474.1	( 382.8)	
	"	"	147 26	17.466			271.0	( 660.1)	
GOO 1956	"	"	59 57	38.570			1193.7	( 663.2)	
	"	"	147 23	44.192			685.8	( 245.3)	
DOC 1956	"	"	59 54	09.871			305.5	(1551.4)	
	"	"	147 27	28.470			442.6	( 490.2)	
Sub Pt.	"	"	59 54				255.4	(1601.5)	
DOC 1956	"	"	147 27				365.0	( 567.8)	
FAR 1956	"	"	59 54	17.746			549.2	(1307.7)	
	"	"	147 28	01.896			29.5	( 903.2)	13.
FLY 1956	"	"	59 57	38.858			1202.6	( 654.3)	
	"	"	147 23	30.162			468.1	( 463.0)	

1 FT. = 3048006 METER

COMPUTED BY: J.E.D.

DATE 1/23/57

CHECKED BY: J.L.H.

DATE

COMM-DC-57843



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

MAP T-11578

PROJECT NO. 27340

SCALE OF MAP 1:20,000

SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $x$ -COORDINATE		DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
GAR 1956	Field	N.A.	59	54	20.169			624.2	(1232.7)		
	Comp.	1927	147	28	26.696			415.0	(517.7)		
GEM 1956	"	"	59	58	00.934			28.9	(1828.0)		
	"	"	147	25	29.343			455.3	(475.7)		
HAT 1956	"	"	59	56	46.118			1427.3	(429.6)		
	"	"	147	28	14.985			232.6	(698.9)		
HIGH 1956	"	"	59	50	33.464			1035.7	(821.2)		
	"	"	147	27	18.059			281.2	(653.2)		
HUT 1956	"	"	59	57	07.978			246.9	(1610.0)		
	"	"	147	22	19.276			299.2	(632.2)		
IDA 1956	"	"	59	57	18.449			571.0	(1285.9)		
	"	"	147	21	46.915			728.2	(203.1)		
MAD 1956	"	"	59	52	32.349			1001.2	(855.7)		
	"	"	147	23	52.440			815.9	(117.6)		
RAT 1956	"	"	59	52	21.940			679.0	(1177.9)		
	"	"	147	26	14.693			228.6	(705.0)		
SAG 1956	"	"	59	53	29.123			901.3	(955.6)		
	"	"	147	26	51.511			801.0	(132.0)		
SAL 1956	"	"	59	50	06.042			187.0	(1669.9)		F
	"	"	147	32	01.204			18.8	(915.9)		
ZAG 1956	"	"	59	52	47.492			1469.8	(387.1)		
	"	"	147	27	07.403			115.2	(818.2)		

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

MAP T-11578

PROJECT NO. 27340

SCALE OF MAP 1:20,000

SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $\chi$ -COORDINATE		DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
SQUEEZE 1933	G-8648 p 319	N.A. 1927	59	57	05.089			157.5	(1699.4)		
			147	22	29.879			463.8	(467.6)		
WOODED 1933	"	"	59	52	41.377			1280.5	(576.4)		
			147	23	39.671			617.2	(316.3)		
ISLE 1933	"	"	59	52	54.326			1681.3	(175.6)		
			147	20	19.016			295.8	(637.5)		
BOX 1933	"	"	59	57	41.590			1287.1	(569.8)		
			147	20	28.776			446.5	(484.6)		
LEDGE 1933	"	"	59	51	19.736			610.8	(1246.1)		
			147	28	16.466			256.3	(677.8)		
SOFT 2.1956	Field Comp.	"	59	52	20.438			632.5	(1224.4)		
			147	26	18.625			289.8	(643.8)		
SMELT 2.1956	"	"	59	57	22.004			681.0	(1175.9)		
			147	27	01.293			20.1	(911.2)		
YEN 1956	"	"	59	52	28.266			874.8	(982.1)		
			147	26	56.118			873.2	(60.4)		
RAN 1956	"	"	59	53	08.473			262.2	(1594.7)		
			147	26	58.207			905.4	(27.9)		
SIP 1956	"	"	59	53	46.703			1445.4	(411.5)		
			147	26	37.756			587.0	(345.9)		15.
CAB 1956	"	"	59	54	10.805			334.4	(1522.5)		
			147	26	47.802			743.1	(189.6)		
EAR 1956	"	"	59	54	19.979			618.3	(1238.6)		
			147	27	38.302			595.4	(337.3)		

1 FT. = 3048006 METER

COMPUTED BY J.L.H.

DATE 1/30/57

CHECKED BY J.E.D.

DATE 2/7/57

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

MAP T. 11578 PROJECT NO. 27340 SCALE OF MAP 1:20,000 SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\nu$ -COORDINATE LONGITUDE OR $x$ -COORDINATE		DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
HAG 1956	Field	N.A.	59	54	28.024			867.3	( 989.6)		
	Comp.	1927	147	29	02.390			37.1	( 895.5)		
ICE 1956	"	"	59	54	43.268			1339.1	( 517.8)		
	"	"	147	29	47.857			743.8	( 188.7)		
JAP 1956	"	"	59	54	54.318			1681.0	( 175.9)		
	"	"	147	30	01.262			19.6	( 912.9)		
KID 1956	"	"	59	55	08.646			267.6	(1589.3)		
	"	"	147	30	09.564			148.6	( 783.7)		
LAM 1956	"	"	59	55	22.143			685.3	(1171.6)		
	"	"	147	30	14.383			223.5	( 708.8)		
MAN 1956	"	"	59	55	39.065			1209.0	( 647.9)		
	"	"	147	30	14.856			230.8	( 701.3)		
NOT 1956	"	"	59	55	56.890			1760.6	( 96.3)		
	"	"	147	30	10.842			168.4	( 763.5)		
OAK 1956	"	"	59	56	14.890			460.8	(1396.1)		
	"	"	147	30	04.859			75.5	( 856.3)		
PAD 1956	"	"	59	56	32.225			997.3	( 859.6)		
	"	"	147	29	33.963			527.4	( 404.3)		
DUD 1956	"	"	59	58	03.961			122.6	(1734.3)		16.
	"	"	147	24	51.933			805.8	( 125.2)		
EEL 1956	"	"	59	57	52.300			1618.6	( 238.3)		
	"	"	147	24	23.938			371.4	( 559.6)		
EGG 1956	"	"	59	57	50.440			1561.0	( 295.9)		
	"	"	147	23	58.308			904.8	( 26.3)		

1 FT. = 3048006 METER

COMPUTED BY J.L.H.

DATE 1/30/57

CHECKED BY J.E.D.

DATE 2/7/57

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

MAP T. 11578 PROJECT NO. 28340 SCALE OF MAP 1:20,000 SCALE FACTOR None

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		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
						FORWARD	(BACK)	FORWARD (BACK)
FIX 1956	Field	N.A.	59 57 41.144			1273.3	( 583.6)	
	Comp.	1927	147 23 07.739			120.1	( 811.0)	
FOG 1956	"	"	59 57 25.496			789.2	(1067.8)	
	"	"	147 22 30.944			480.2	( 451.0)	
MUN 1956	"	"	59 57 32.330			1000.6	( 856.3)	
	"	"	147 21 31.651			491.2	( 440.0)	
RIG 1956	"	"	59 52 57.654			1784.3	( 72.6)	
	"	"	147 20 27.936			434.5	( 498.8)	
BAD 1956	"	"	59 52 38.278			1184.6	( 672.3)	
	"	"	147 20 51.295			798.1	( 135.4)	
TREE 1956	"	"	59 52 24.364			754.0	(1102.9)	
	"	"	147 22 28.840			448.7	( 484.9)	
SLY 1956	"	"	59 52 20.529			635.3	(1221.6)	
	"	"	147 24 37.865			589.2	(344.4)	
GIG 1956	"	"	59 52 09.115			282.1	(1574.8)	
	"	"	147 25 04.194			65.3	( 868.4)	
WHY 1956	"	"	59 51 58.434			1808.4	( 48.5)	
	"	"	147 27 08.659			134.8	( 799.0)	
YAM 1956	"	"	59 52 17.653			546.3	(1310.6)	17.
	"	"	147 26 35.948			559.4	( 374.3)	
OX 1956	"	"	59 52 54.216			1677.9	( 179.0)	
	"	"	147 20 18.924			294.4	( 639.0)	

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

MAP T. 11578 PROJECT NO. 27340 SCALE OF MAP 1:20,000 SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $\lambda$ -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
				FORWARD	(BACK)		FORWARD	(BACK)	FORWARD	(BACK)
AMP 1956	Field	N.A.	59 57 22.070				683.0	(1173.9)		
	Comp.	1927	147 27 01.444				22.4	(908.9)		
WHO 1956	"	"	59 57 20.426				632.1	(1224.8)		
	"	"	147 27 37.730				585.6	(345.7)		
WAD 1956	"	"	59 50 47.919				1483.0	(373.9)		
	"	"	147 27 29.063				452.6	(481.8)		
TAR 1956	"	"	59 50 38.374				1187.6	(669.3)		
	"	"	147 27 24.170				376.4	(557.9)		
RAG 1956	"	"	59 52 41.818				1294.2	(562.7)		
	"	"	147 23 38.925				605.6	(327.9)		
AGE 1956	"	"	59 52 57.364				1775.3	(81.6)		
	"	"	147 20 37.492				583.2	(350.1)		
SUE 1956	"	"	59 52 30.910				956.6	(900.3)		
	"	"	147 23 11.507				179.0	(754.5)		
SAD 1956	"	"	59 52 30.256				936.4	(920.5)		
	"	"	147 24 24.724				384.7	(548.8)		
SHEER 1933	G 8648	"	59 50 46.955				1453.2	(403.7)		
	p 320	"	147 27 26.712				416.0	(518.4)		
										18

1 FT. = 3048006 METER

J.L.H.

DATE 1/30/57

CHECKED BY J.E.D.

DATE 2/7/57

COMPILATION REPORT  
Map Manuscript T-11578  
Project 27340

31. Delineation:

Graphic methods were used to compile this manuscript. In accordance with the instructions, Method 3 of the General Instructions for compiling, scribing reviewing and registering of photogrammetric manuscripts dated 11 January 1956 was used.

The field inspection was generalized but satisfactory for the compilation of a shoreline manuscript.

32. Control:

Refer to Item 23 of the Photogrammetric Plot Report.

33. Supplemental data:

None.

34. Contours and drainage:

Contours not applicable. Drainage was delineated by stereoscopic examination of the photographs at the compilation office.

35. Shoreline and alongshore areas:

X The mean high-water line was spot located on the field photographs. From this information the mean high-water line was delineated throughout the area of the manuscript by stereoscopic examination of the photographs.

Alongshore areas were generalized in the field inspection.

Where prominent rocks were referred to they were indicated by the note "rks." with no indication as to the amount they bared at M.H.W. or M.L.L.W. It is assumed that this data will be developed during the hydrographic survey. It was difficult in a few instances to determine whether a rock was above or below M.H.W.

In general the mean high-water line has been shown at the foot of the cliff and the foreshore area for the most part has been indicated with the rock ledge symbol.

No low-water lines were shown by field inspection or delineated at the compilation office. Because the photographs were taken at approximately M.L.L.W. the outer limits of the rock



ledge symbol would be the approximate low-water line.

36. Offshore details:

A few rock ledge areas which bare or are awash at M.L.L.W. have been delineated.

37. Landmarks and aids:

No data was furnished for the delineation or plotting of these features.

38. Control for future surveys:

The position of all stations shown on this manuscript for use in the proposed hydrographic survey are listed on the Forms 164 included in this descriptive report.

No forms 524 were submitted by the field inspection party.

39. Junctions:

No adjoining map manuscripts were furnished for junction purposes.

40. Horizontal and vertical accuracy:

Vertical accuracy is not applicable.

Horizontal accuracy is believed to be well within the limitations required for shoreline manuscripts.

46. Comparison with existing maps:

Comparison was made with T-8470 on Datum: Valdez. Scale 1:20,000.

Disregarding a slight scale difference and allowing for the datum difference between T-8470 and T-11578 the manuscript T-8470 is in good agreement with T-11578.

47. Comparison with nautical charts:

Comparison was made with nautical chart No. 8515, Scale 1:81,436 at Lat. 60° 00', Published Nov. 1935, (7th edition) last corrected 3/24/52.

"Items to be carried forward"

None.

Approved:

*V. Ralph Sobieralski*  
V. Ralph Sobieralski  
LCDR. C&G Survey  
Officer-in-Charge

Respectfully submitted:

*J. Edward Deal*  
J. Edward Deal  
Cartographer  
C&GS

October 19, 1970

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-152 (Alaska)

T-11578

Box Island

Box Point

Fish Island

Gulf of Alaska

Montague Island

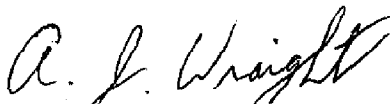
Nellie Martin River

Patton Bay

Tanker Island

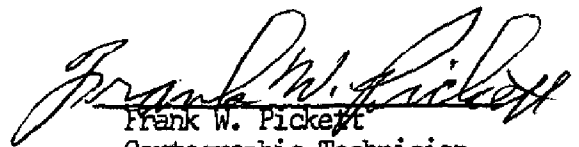
Wooded Islands

Approved by:



A. Joseph Wraight  
Chief Geographer

Prepared by:



Frank W. Pickett  
Cartographic Technician

49. Notes to the hydrographer:

There are no additional facts other than those contained in the Photogrammetric Plot Report and the Compilation Report.

Stations are not listed because they are listed along with their geographic positions on the forms 164 included in this report.

FORM 1002(T-2) PHOTOGRAMMETRIC OFFICE REVIEW

MAP T-11578

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- 11578

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-11578

SHORELINE

MARCH 2, 1971

61. GENERAL STATEMENT:

See Summary on page 6 of this Descriptive Report.

An ozalid comparison print, (pages 27 through 34), with differences noted in Items 63, 64, and 65 is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

No registered topographic surveys were available at the time of final review; no comparison was made.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A visual comparison was made with U.S.G.S. Quadrangle BLYING SOUND (D-1 AND D-2), scale 1:63,360, dated 1953. Differences between this map and T-11578 are shown in brown on the comparison print.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with a verified copy of the smooth sheet for Survey H-8312, scale 1:20,000, dated July 1956 - May 1957. Differences between this survey and T-11578 are shown in purple on the comparison print.

65. COMPARISON WITH NAUTICAL CHARTS:

A visual comparison was made with Chart 8515, scale 1:81,436, 10th edition, dated October 25, 1969. Differences between this Chart and T-11578 are shown 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  
March 2, 1971

Approved for forwarding:

*Melvin J. Umbach*

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

Approved:

*Allen L. Powell*

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

Approved:

*Charles L. Lamm*

Chief, Photogrammetric Branch

*Jack E. Luth*

Chief, Photogrammetry Division





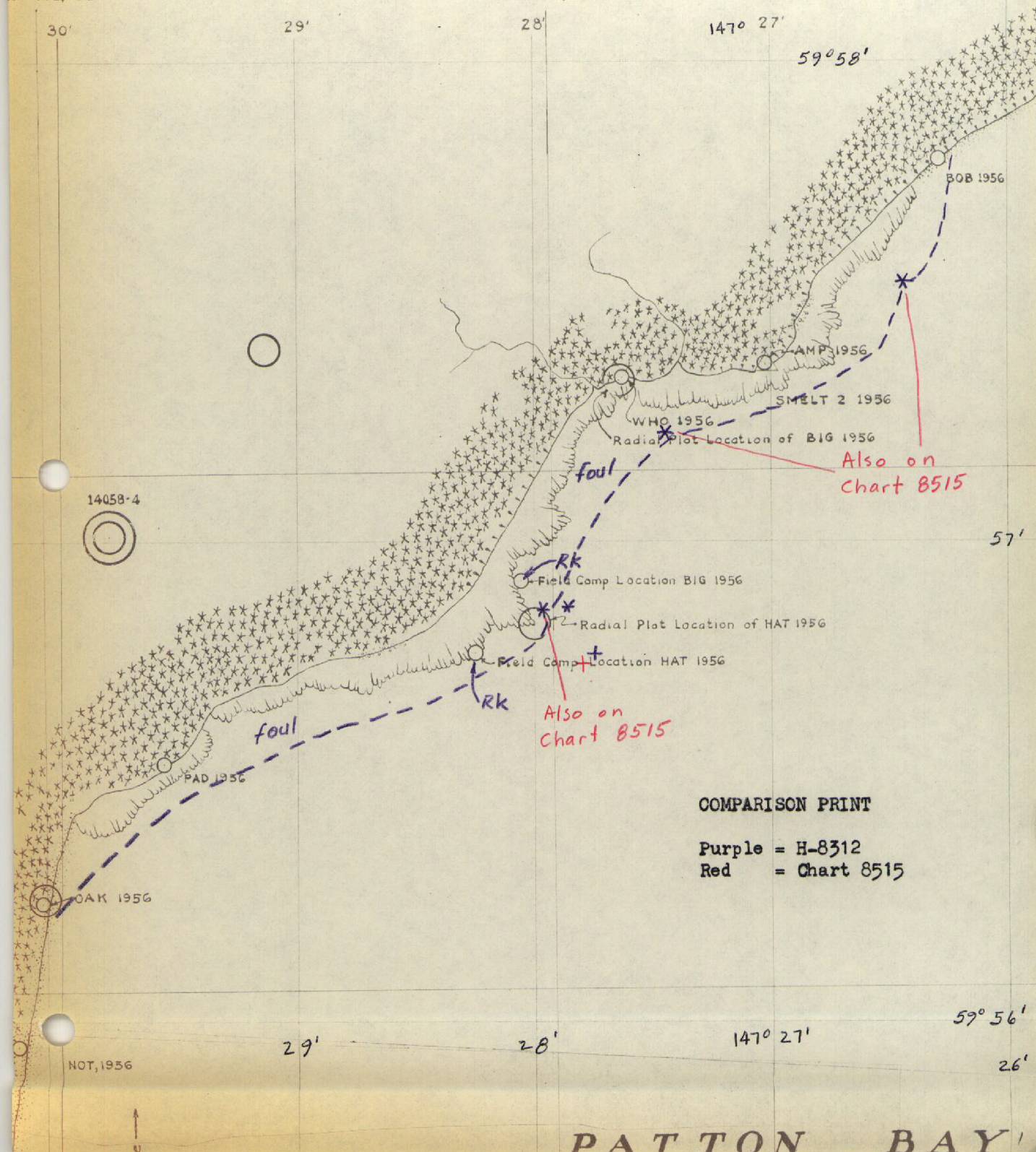
14058-3

27.

NO CONTEMPORARY SURVEY

x = 472,000 m

x = 474,000 m

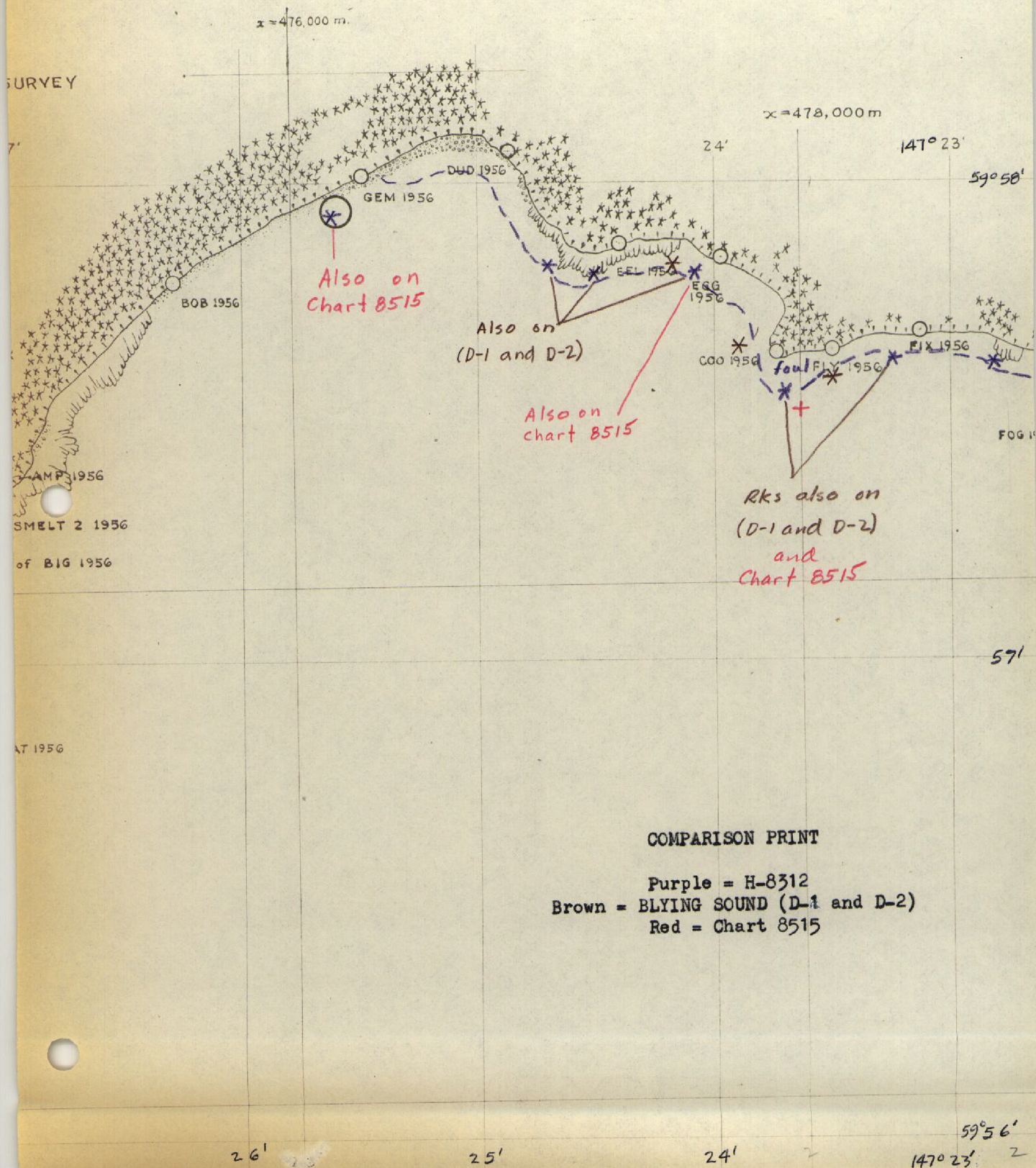


COMPARISON PRINT

Purple = H-8312  
Red = Chart 8515

PATTON BAY

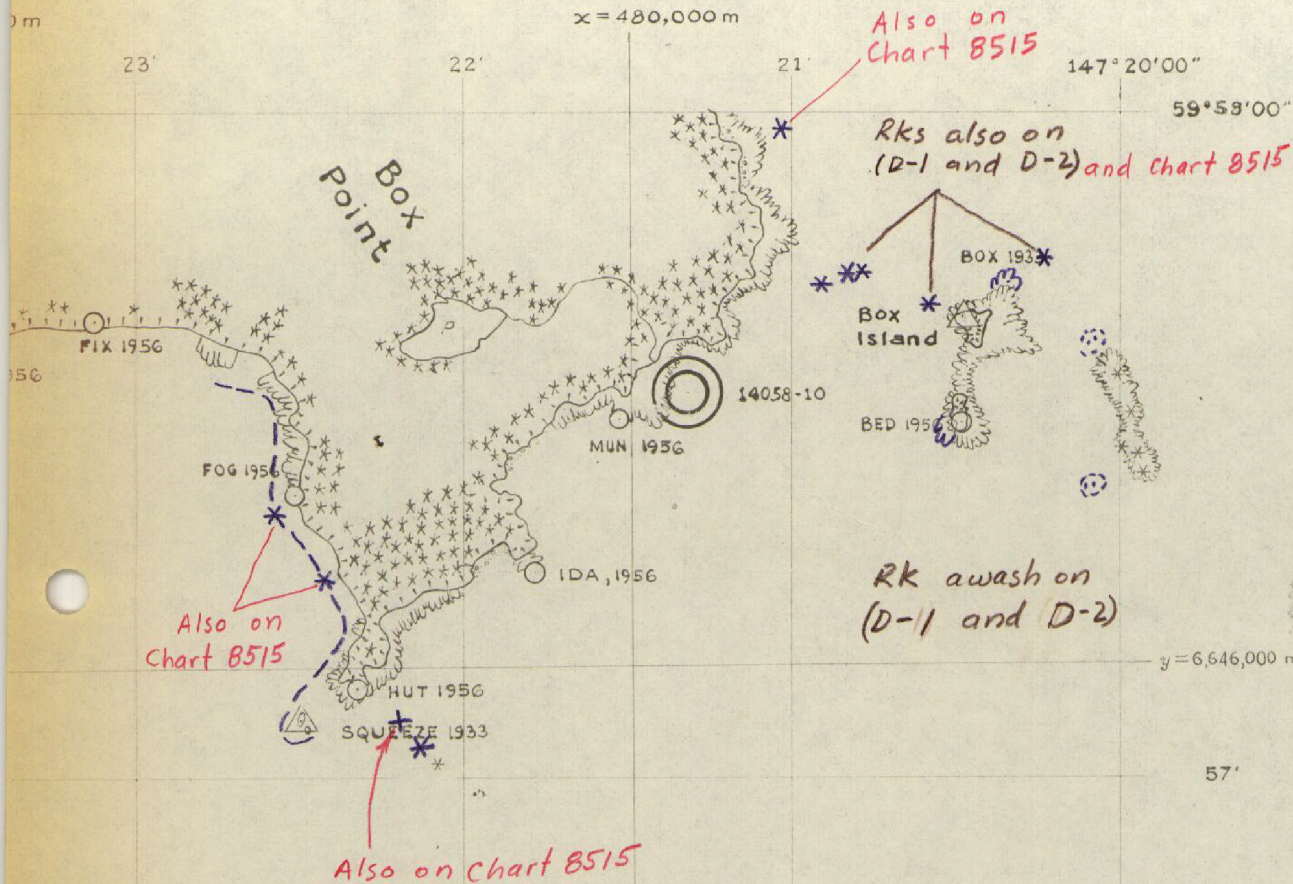






x = 430,000 m

x = 480,000 m



## COMPARISON PRINT

Purple = H-8312  
 Brown = BLYING SOUND (D-1 and D-2)  
 Red = Chart 8515



147° 29'

28'

27'

147° 26'

56

59° 55'

1956

Gentle sloping sand beach

RIVER 2 1956  
ICE 1956

Also on  
Chart 8515

HAG 1956

Radial Plot Location GAR 1956

foul

EAR 1956

Field Camp Location GAR 1956

FAR 1956

DOG 1956  
Sub Pt

CAB 1956

POINTED ROCK 1933

54'

SAG 1956

14058-9

SIP 1956

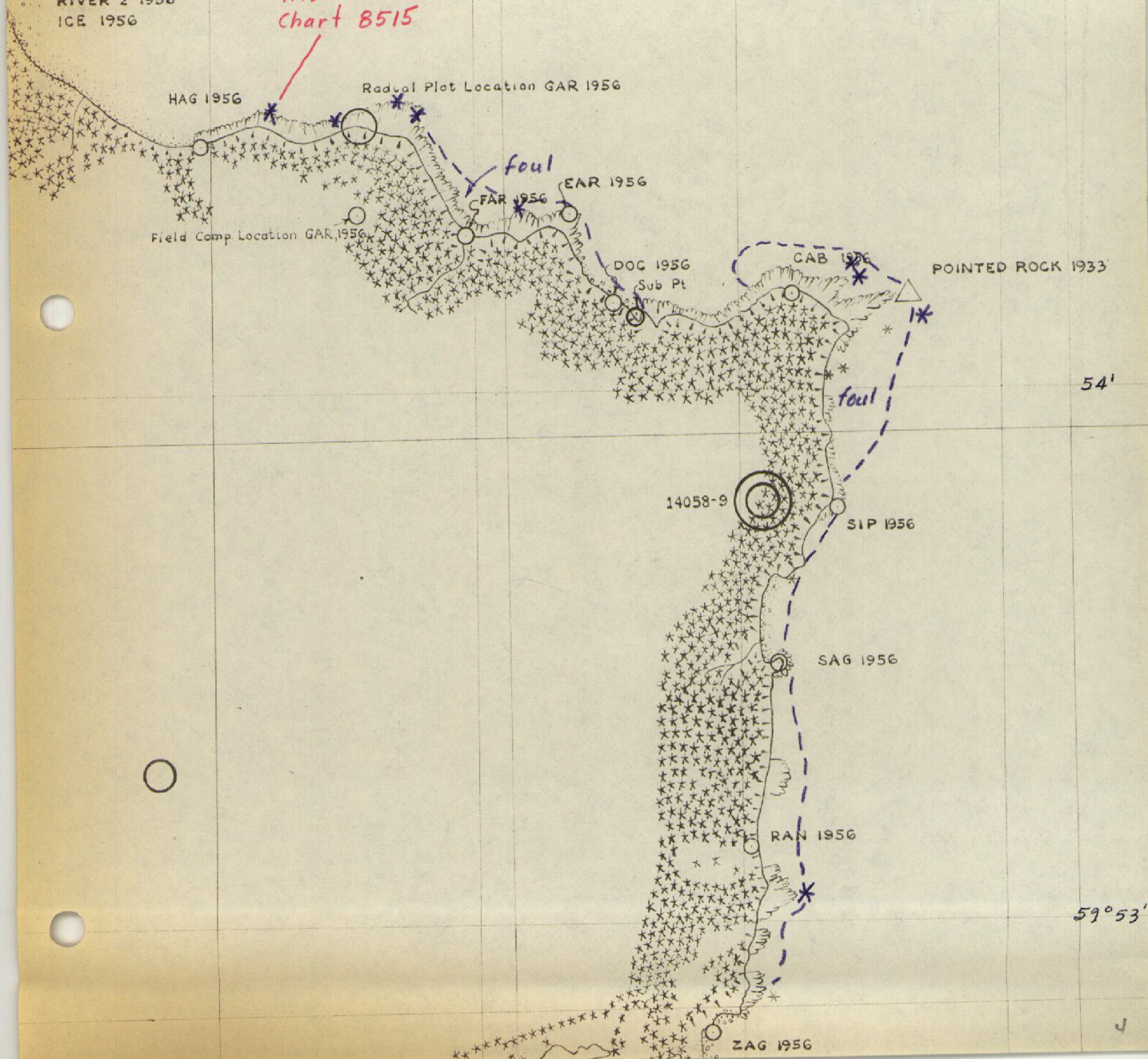
RAN 1956

59° 53'

ZAG 1956

# COMPARISON PRINT

Purple = H-8312  
Red = Chart 8515





31.

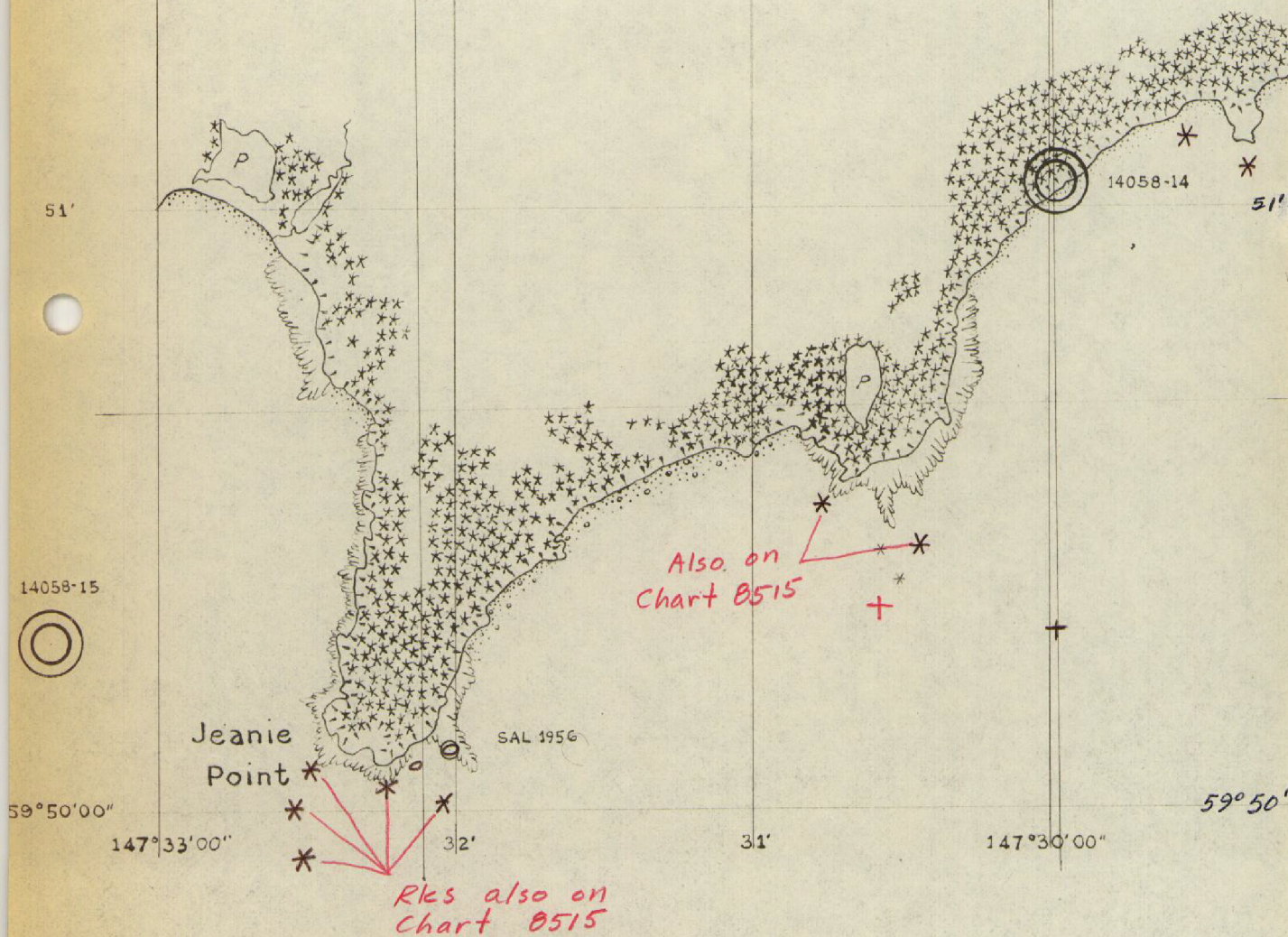
14058-8

52'

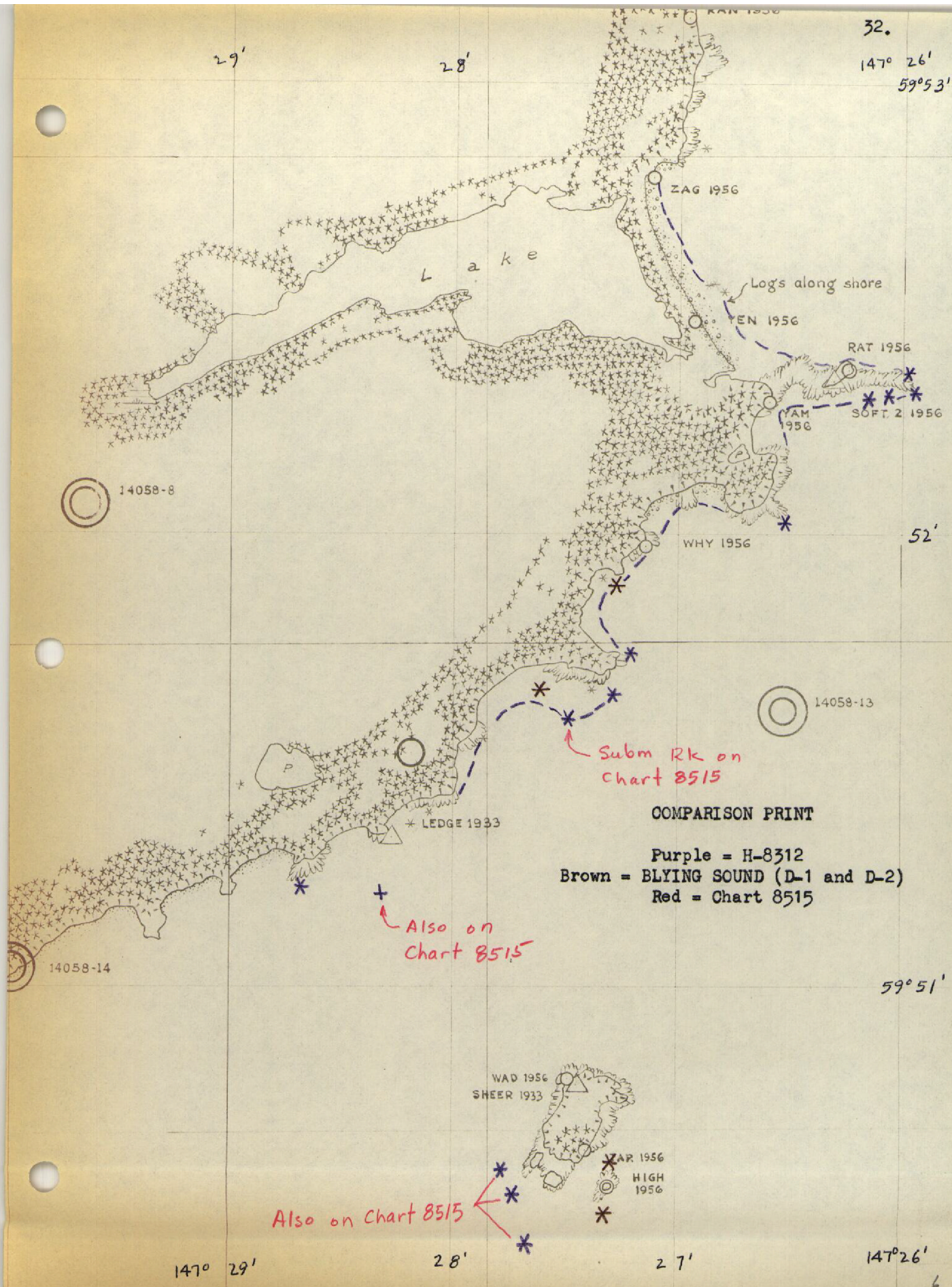
# COMPARISON PRINT

Brown = BLYING SOUND (D-1 and D-2)

Red = Chart 8515







COMPARISON PRINT

Purple = H-8312  
Brown = BLYING SOUND (D-1 and D-2)  
Red = Chart 8515



25'

24'

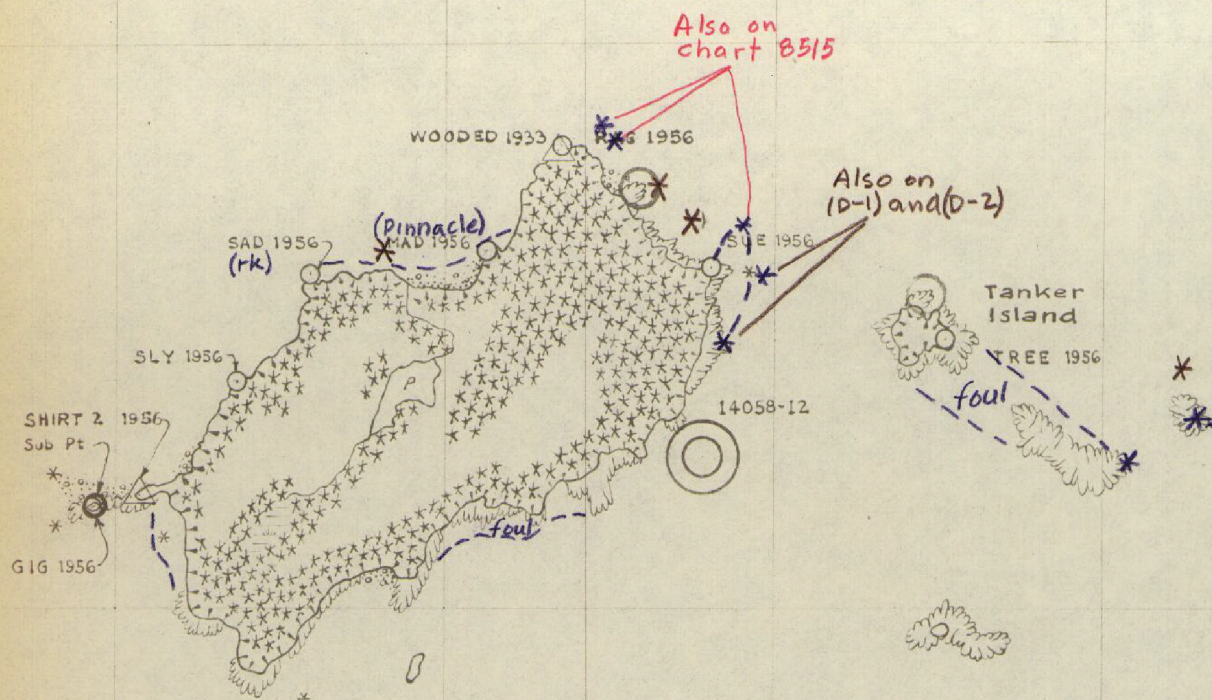
23'

147° 22'

33.

59° 53'

Wooded Island

Also on  
chart 8515Also on  
(D-1) and (D-2)

52'

OF

COMPARISON PRINT

Purple = H-8312

Brown + BLYING SOUND (D-1 and D-2)

Red = Chart 8515

59° 51'

147° 25'

GULF

24'

23'

147° 22'

7