

5738

U. S. COAST & GEODETIC SURVEY
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ORDINANCE TO DOC SYSTEMATIC REVIEW
GUIDELINES AS DESCRIBED IN SECTION
3.2(a) EXECUTIVE ORDER 12356.

Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. PATTON, Director

DECLASSIFIED BY NOAA
ORDINANCE TO DOC SYSTEMATIC REVIEW
GUIDELINES AS DESCRIBED IN SECTION
3.2(a) EXECUTIVE ORDER 12356.

State: ALASKA

DESCRIPTIVE REPORT

Topographic } Sheet No. U-2234
Hydrographic }

LOCALITY

Entrance to
Beaver Inlet entrance

~~Aleutian Islands~~

Unalaska Island

193 4

CHIEF OF PARTY

A. M. SOBIERALSKI, H. & G. E.

5738

~~SECRET~~

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. U-2234

REGISTER NO. **5738**

State Alaska

General locality ~~Alutian Islands~~ Unalaska Island

Locality Entrance to Beaver Inlet Entrance

Scale 1:20,000 Date of survey June - Sept., 19 34

Vessel U. S. C. & G. S. S. SURVEYOR and Launch WILDCAT

Chief of Party A. M. Sobieralski

Surveyed by A. M. Sobieralski, L. C. Wilder, R. C. Rowse, F. B. Quinn

Protracted by F. B. Quinn

Soundings penciled by C. J. Wagner

Soundings in fathoms ~~feet~~

Plane of reference M L L W

Subdivision of wire dragged areas by - -

Inked by S. R. Ludlow 1002

Verified by S. R. Ludlow

Instructions dated April 13, 1934

Remarks: One overlay on tracing cloth.

DESCRIPTIVE REPORT

to accompany

FIELD SHEET NO. U-2234

BEAVER INLET ENTRANCE, UNALASKA ISLANDS, ALASKA.

PROJECT H-176, 1934

Date of Instructions:

April 13, 1934.

Limits:

Joins sheet U-2134 at the west, in Beaver Inlet; sheet U-2334 at the north, near Unalga Pass; sheet 4134 at the northeast, and east, north and east of Egg Island; and sheet 8134 at the south. One mile southwest of Inner Signal Rock the work was stopped with no sheets joining to the westward.

Control:

See extra sheet in this report entitled "Datum".

SURVEY METHODS:

Regular methods were used throughout, with fixed control in all cases. Fathometer, machine and handlead soundings were taken from the SURVEYOR; and machine and handlead soundings from the WILDCAT.

OVERLAY:

An overlay was plotted for part of the development of a rocky bank $2\frac{1}{2}$ miles east of Egg Island, and accompanies this sheet. The overlay was secured to the smooth sheet and positions were protracted directly onto the tracing cloth.

DISCREPANCIES:

There are differences between the boat and smooth sheets in position and directions of lines, particularly at the southern and southeastern limits of the sheet. These are caused by using temporary hydrographic locations of signals on the boat sheet in advance of topography and triangulation. The smooth sheet positions are correct.

On the two-way development of the shoal area $2\frac{1}{2}$ miles east of Egg Island a few discrepancies are found where the depth changes are abrupt. While some of these are due to irregular bottom, precedence in selecting soundings for charting, should be given to the east and west lines which

were run under more favorable conditions.

Good junctions were obtained with other sheets.

TIDE RIPS:

Notes were made in the sounding volumes for tide rips, but they do not give a true picture of this condition. See the remarks on tide rips included in "Coast Pilot Notes" submitted on January 21, 1935.

DANGERS:

(1) A kelp-marked shoal with 5 feet of water at MLLW was found at the eastern entrance of Deep Bay, lat. 53° - $53.8'$, long. 166° - $12.8'$. A reef and kelp field lie inshore from this shoal. Current marks indicate the limits of the shoal.

(2) A kelp-marked shoal with 8 feet of water at MLLW lies at the western entrance of Deep Bay, lat. 53° - $52.7'$, long. 166° - $14.1'$

(3) A 3-foot rock lies $1/4$ mile offshore in Sedanka Passage, lat. 53° - $51.35'$, long. 166° - $06.6'$. *sig. marks.*

(4) A shoal area with a least depth of $9\frac{1}{2}$ fathoms lies $2\frac{1}{2}$ miles east of Egg Island.

(5) A foul area lies around Inner Signal Rock.

ANCHORAGES:

The bight southwest of Sedanka Cape affords temporary anchorage in westerly and northwesterly weather. The bottom of fine gray sand slopes gradually to 20 fathoms one mile offshore from the sand beach. To enter, pass midway between Outer Signal Rock and Egg Island.

The bight just west of the northern point of Sedanka Cape furnishes temporary anchorage with little swell during southerly weather. Anchor in the middle of the bight about $1/3$ mile from shore with Old Man Rocks showing between the rocky islets off the point to the eastward in about 16 fathoms. Smaller boats can move in to lesser depths near the western end of the bight.

Small boats can find temporary anchorage in the entrance of the small cove at the northwest corner of Deep Bay in 8 to 10 fathoms. A kelp-marked 8 foot shoal spot lies $1/4$ mile offshore at the southwest entrance point. At the northeast entrance a long ledge and several small islets make offshore about 0.3 mile terminating in a kelp-marked 5 foot shoal $5/8$ mile offshore.

COMPARISON WITH PREVIOUS SURVEYS:

Shoal indications shown on the 1901 1/60,000 sheet, register No. 2541, were developed and in some cases found to be somewhat different in location. In general the agreement with this sheet was good. ✓

Respectfully submitted,

Francis B. Quinn

Francis B. Quinn,
Jr. H. & G. E.

Approved, forwarded:

A. M. Sobieralski

A. M. Sobieralski
Chief of Party,
Commanding, Str. SURVEYOR

FATHOMETER SOUNDINGS

In numerous places, lines of fathometer soundings occur between lines of vertical cast soundings, and the fathometer soundings are almost invariably several fathoms shallower. These differences are so consistent that there can be little doubt that they are due to the method of sounding, and are not indications of shoals. An attempt was made to eliminate these discrepancies in the fathometer corrections, but the factor computed from comparative readings with vertical casts would not eliminate them. It is possible that the fathometer reads a little low in strong currents and tide rips, the greater amount of air bubbles etc in the water affecting the velocity of sound. Under such conditions it is also difficult to get good vertical casts, the current tending to make the vertical cast sounding too deep. The combination of these two effects might well account for the differences encountered.

No practicable way to adjust these discrepancies can be suggested. The only effect is a slight irregularity in the depth which at times makes the depth curves rather irregular.

DATUM:

5

The topographic work in the vicinity of the Krenitzgn group was started using the 1901 geographic positions, and the positions of supplemental stations were computed from the 1901 lines as a base. These preliminary positions were used to control the topography. ✓

Later in the season, the whole scheme of triangulation was recomputed from a newly measured base resulting in changes which amounted to from 2 to 5 meters in the vicinity of Unalga Pass to a maximum of about 10 m. in the eastern limits of the work. As a result, the triangulation stations as plotted will not agree exactly with the 1934 field computations, as submitted to the office. That is, the recovered 1901 stations are plotted from the original geographic positions, but the 1934 stations are plotted from preliminary positions which are not in strict accordance with the positions resulting from the final field computations as submitted in the list of geographic positions. The difference will correspond approximately to the difference between the 1901 and 1934 positions of recovered stations in the vicinity. ✓

To eliminate these discrepancies, a slight change in the projection is necessary, but it is difficult to show the small correction, so that it has been indicated only on the sheets where it exceeds 5 m. The correction to the projection brings the sheet to the Unalaska Datum as determined by the 1934 field computations. ✓

The discrepancies on this sheet, field number U-2234, are well under 5 meters and have been disregarded. ✓

STATISTICS

SHEET NO. U-2234

<u>Vol.</u>	<u>Day</u>	<u>Date</u>	<u>Positions</u>	<u>Soundings</u>	<u>Statute Miles</u>
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WILDCAT

1	A	6-27-34	85	89	13.2
1	B	28	116	189	17.6
1	C	29	26	26	3.2
1	D	30	55	65	6.2
1	E	7-5-34	60	110	11.0
1	F	6	117	178	20.8
2	G	11	95	117	21.1
2	H	12	126	169	19.0
2	J	17	137	280	17.3
2	K	18	53	55	5.3
2	L	19	33	33	4.5
2	M	26	53	53	7.8
2-3	N	30	153	170	21.0
3	P	31	152	182	24.8
3	Q	8-1-34	124	161	161.2
3	R	2	32	38	4.0
3	S	3	159	254	17.8
3	T	11	171	165	7.3
4	U	12	45	102	7.3
4	V	13	125	166	28.1
Total:- 1917				2602	273.5

SURVEYOR.

5	A	9-5-34	26	110	11.0
5	B	12	106	421	30.2
5	C	25	10	46	4.6
5	D	28	18	55	3.3
5	BB	6-9-34	48	111	18.0
6	AA	6-8-34	81	369	24.2
6	CC	13	68	304	20.7
6	DD	20	5	26	3.0
6	QQ	9-5-34	7	36	2.1
Total:- 369				1478	117.1

Total: SURVEYOR & WILDCAT 2286				4080	390.6
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LIST OF SIGNALS PLOTTED ON SHEET U-2234

Name Triangulation
Hydrographic Location

From Topographic Sheet UA-34

Sedan Sedan, 1934
Wag Wag, 1934
Cent Senty, 1934
Pool Pool, 1934
Head Biorka Head, 1934
Egg Egg, 1901
Old Old Man Rock, 1934
Ent Entrance, 1934
Dan Danka, 1934
Sisek Sisek, 1934
Biorka Biorka, 1901
Shelf Shelf, 1901
Dag Brundage Head, 1901
Una Unalga, 1901
Point Point, 1934
Bridge Bridge, 1901

Rill Her Jan
Lit Disk Gan
Andy Grass Black
Rube Sun One
Dee Mon Lowe

From Topographic Sheet UE-34

Rub Jet By
Und Why Thor
Top Lon Ring
Ray Dud Hunt
Der Bold Wed
Bri Ned Sun
Lid Nip Sap
Dora band

From Topographic Sheet UA-34

From Topographic Sheet UB-34

Last Dull
In Dim
Day Bob
Fri Bill
Max Bar
Dow Flag
Year May
Pat Red
Sap Run
Gob Good
Slow Net
Bea Cross
Hide Rus
Pen Win
Bol Pin
Stat Hack
Nob Spa
We Nap
Ork Cap
Lef ^{LAK}
Fall
Cat
Wash
Pent
Mix
Flat
Dot
Tom
Log
Sli
Tri

Die Dog Small
Tide Ham Wish
Nut Ben Sir
Rod Hut Cone
Don Tan Crew
See Trump Rin
Up Loop Rag
Pig Dub Two
Low Hip Fan
Dime Kate Rek
No Test El
Abe Boy Lad
Scar Hard
Slat End

TIDE NOTE FOR HYDROGRAPHIC SHEET

My 18, 1935.

Division of Hydrography and Topography:

✓ Division of Charts: Attention Mr. E. P. Ellis

Tide Reducers are approved in
6 volumes of sounding records for

HYDROGRAPHIC SHEET 5738

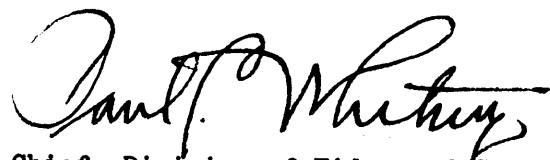
Locality Entrance to Beaver Inlet, Aleutian Islands, Alaska

Chief of Party: A. M. Sobieralski in 1934.
Plane of reference is mean lower low water, reading
3.1 ft. on tide staff at Biorka Village
12.6 ft. below B.M. 1

3.7 ft. on tide staff at Dutch Harbor
12.5 ft. below B.M. 1

Height of mean higher high water above plane of reference
at Biorka Village is 4.9 ft; at Dutch Harbor 3.7 ft.

Condition of records satisfactory except as noted below:



Chief, Division of Tides and Currents.

Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. 5738

The following statistics will be submitted with the cartographer's report on the sheet:

Number of positions on sheet	2286
Number of positions checked	...184
Number of positions revised7
Number of soundings recorded	4080.
Number of soundings revised6.
Number of signals erroneously plotted or transferred	...0.

Date: June 14, 1935

Verification by S.R. Ludlow

Time: 18 days

Review by

R.J. Christman

Time: 8 1/4 hrs.

HYDROGRAPHIC SURVEY NO. 5738

Smooth Sheet 1

Boat Sheet 1

Sounding Records 6 Vols. _____

Descriptive Report Yes

Title Sheet Yes

List of Signals Filed in Vol. 1 page 1

Landmarks for Charts (Form 567) None Red'd May 1, 1935

Statistics Filed in D.R.

Approved by Chief of Party Yes

Recoverable Station Cards (Form 524) Filed with T 4920 & T 6243

Special Chart for Lighthouse Service None Rec'd May 1, '35
(Circular Nov. 30, 1933)

Remarks _____

Report on Sheet 5738

The records are complete and conform to the requirements of the general instructions.

The 20, 50 and 100 fms curves are completely drawn, the shallower curves could not be completely drawn because of insufficient soundings in close to shore.

The field plotting was very satisfactory with few corrections as noted in the records.

Sheets 5728, 5737, 5745 and 5759 have not yet been inked so that junctions with adjacent sheets could not be made.

A rock awash shown at lat $53^{\circ}54.52'$ long $166^{\circ}12.77'$ was not plotted on the topo sheet or mentioned in the notes.

There are two shoal areas one at lat $53^{\circ}52.72'$ long $166^{\circ}14.14'$; and one at lat $53^{\circ}53.85'$ long $166^{\circ}12.83'$

S.R. Ludlow.

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 5738 (1934) - FIELD NO. U-2234

Entrance to Beaver Inlet, Unalaska Island, Alaska

Surveyed in June-Sep. 1934

Instructions dated April 13, 1934 (SURVEYOR)

Hand Lead Machine and Fathometer Soundings - 3 Point Fixes on Shore Signals.

Chief of Party - A. M. Sobieralski.

Surveyed by - A. M. Sobieralski, L. C. Wilder, R. C. Rowse, F. B. Quinn.

Protracted by - F. B. Quinn.

Soundings penciled by - C. J. Wagner.

Verified and inked by - S. R. Ludlow.

1. Condition of Records.

The records are neat and legible and conform to the requirements of the Hydrographic Manual.

The Descriptive Report is complete and satisfactorily covers all items of importance.

2. Compliance with Instructions for the Project.

The plan and extent of development are in accordance with the instructions for the project except as noted in paragraph 9 of this review.

3. Sounding Line Crossings.

Sounding line crossings in general are satisfactory. Attention however is directed to page 4 of the Descriptive Report relative to consistent differences between fathometer soundings and machine soundings. About the largest difference found is near lat. $53^{\circ} 48'$, long. $166^{\circ} 00'$ where a 50 fathom machine sounding plots near a 46 fathom fathometer sounding.

4. Depth-Curves.

Within the limits of the survey the usual depth curves may be satisfactorily drawn, including most of the 10 fathom curve and portions of the 2, 3 and 5 fathom curves.

5. Junction with Contemporary Surveys.

The junction with H-5737 (1934) to the westward in Beaver Inlet, is satisfactory.

The junctions with H-5745 (1934) to northward, H-5728 (1934) to the northeast and east, and H-5759 (1934) to the southeast will be considered in the reviews of those sheets.

6. Comparison with Prior Surveys.

a. H-2541 (1901).

This survey is on a scale of 1:60,000 and the lines are widely spaced. The general agreement in depth with the present survey is good but a number of additional shoalings have been discovered. All important information on the sheet has been fully covered by the present survey, however, the following sounding should be mentioned.

The 47 fathom sounding (charted) at lat. $53^{\circ} 51.2'$, long. $166^{\circ} 11.0'$ falls close to the 100 fathom curve on the present survey. Investigation showed that the right angle on the fix controlling this sounding (pos. 9-K blue) is probably in error. When the line is plotted by using the recorded courses and the left angle, the 47 is in good agreement with the present depths. The 47 is believed to be very much out of position and it should be deleted from the chart.

Because of the larger scale and greater detail of the present survey it should supersede H-2541 (1901) in future charting.

b. H-2548 (1901).

This survey is on a scale of 1:40,000 and shows a few lines of inshore work at the east end of Unalaska Island. There are some differences of inshore details but only one needs to be mentioned.

An islet (charted) in lat. $53^{\circ} 53.8'$, long. $166^{\circ} 12.8'$ was derived from T-2544 (1901). The present survey shows a kelp patch with a 5 foot depth just south of the position of the islet. The Descriptive Report of T-4920 (1934) definitely states that the islet does not exist. The islet should be expunged from the chart and H-2548 (1901) should be superseded by H-5738 (1934) in the common area with the exception of the few soundings in open area in the vicinity of lat. $53^{\circ} 53.9'$, long. $166^{\circ} 13.0'$ which were brought forward.

7. Comparison with Chart 8860.

Within the area of the present survey, the chart is based on surveys discussed in the foregoing paragraphs and contains no other information that needs consideration in this review.

8. Field Plotting.

Field plotting was very satisfactory.

9. Additional Field Work Recommended.

The survey in general is adequate for charting purposes but additional development is desirable in the following areas:

- (1) The 19 fathom bank in lat. $53^{\circ} 48.2'$, long. $166^{\circ} 01.7'$
- (2) The 18 fathom bank in lat. $53^{\circ} 48.9'$, long. $166^{\circ} 01.1'$
- (3) The 14 fathom spit in lat. $53^{\circ} 51.8'$, long. $166^{\circ} 07.2'$

A bromide copy of H-5738 (1934) indicating the additional work desired has been forwarded to the field party.

10. Superseding Old Surveys.

Within the area covered, the present survey with indicated additions from prior surveys, supersedes the following surveys for charting purposes.

H-2541 (1901) in part
H-2548 (1901) in part

11. Reviewed by R. J. Christman, June 29, 1935.


Inspected by - A. L. Shalowitz.

Examined and approved:


C. K. Green,
Chief, Section of Field Records.


Chief, Section of Field Work.


Chief, Division of Charts.


Chief, Division of H. & T.

Applied to Charts 8860, 8802 + 9302 - Oct 10 - 1935

P. B. Coster

25 Jan 3 1936

EAD

Applied to new compilation of Chart No. 9007 (extended)
S. P. Aug. 1938.

Applied to Chart Comp. 9018. H. M. Ewen July 27, 1939.

Applied to compilation chart 8720 Mar. 1943 J. H. S.

5738

Add'l Work (1935)

DECLASSIFIED

3.3(a) EXECUTIVE ORDER 12356

Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. PATTON, Director

U. S. COAST & GEODETIC SURVEY

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PURSUANT TO DOC SYSTEMATIC REVIEW
GUIDELINES AS DESCRIBED IN SECTION
3.3(a) EXECUTIVE ORDER 12356

State: Alaska

DESCRIPTIVE REPORT

Topographic | Sheet No. H-5738 (1934)
Hydrographic | Additional work 1935.

LOCALITY

Entrance to Beaver Inlet

Unalaska Island,

~~Aleutian Islands~~

1935

CHIEF OF PARTY

A. M. SOBIERALSKI, H. & G. E.

5738

5738

Add'l Work (1935)

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. _____

H - 5738 (1934)

REGISTER NO.

State Alaska. Additional work 1935

General locality ~~Aleutian Islands~~, Unalaska Island.

Locality Entrance to Beaver Inlet.

Scale 1-20,000 Date of survey October, 1935

Vessel U. S. C. & G. S. S. SURVEYOR

Chief of Party A. M. Sobieralski

Surveyed by G. L. Bean and I. T. Sanders

Protracted by I. T. Sanders — G.H. Everett

Soundings penciled by I. T. Sanders — G.H. Everett

Soundings in fathoms feet

Plane of reference M L L W

Subdivision of wire dragged areas by _____

Inked by _____

Verified by _____

Instructions dated See Review of H-5738, 19

Remarks: Additional work plotted on tracing and to be transferred to original sheet.

DESCRIPTIVE REPORT
to accompany
HYDROGRAPHIC SHEET H-5738 (1934)
ADDITIONAL WORK 1935
Scale 1-20,000

Instructions: Additional work specified in review of H-5738. ✓

The review of this sheet called for additional development of the following:

- (1) The 19 fathom bank in Lat. 53° - 48.2 Long. 166° - 01.7. ✓
- (2) The 18 fathom bank in Lat. 53° - 48.1 Long. 166° - 01.1. ✓
- (3) The 14 fathom bank in Lat. 53° -51.8 Long. 166° - 07.2. ✓

3 The additional work specified was executed and further a 34 fathom spot about one mile east of Egg Island was examined. ✓

In the vicinity of the 19 fathom bank (1) depths of 15 fathoms were obtained, but it is quite certain no dangers exist in the area as the area has been traversed frequently in stormy weather and no breakers were seen.

In the vicinity of the 18 fathom ^{bank} (2) depths were reduced to 14 fathoms. It is quite certain no dangers exist here for the same reason as mentioned above.

In the vicinity of the 14 fathom bank (3) the development did not reduce the depth, in fact a depth of 16 fathoms was the least depth found. The 14 fathom sounding obtained in 1934, and it is possible that the fathometer soundings obtained in 1934 are a fathom too shoal, as the same discrepancy has been noted in several areas.

In executing this work a few topographic signals which do not appear on the original sheet were used. These were located in 1935 and it will be necessary to plot them on the hydrographic sheet from the 1935 topographic sheet.

The additional work was plotted on a tracing which is forwarded for guidance when plotting the positions on the original sheet.

Respectfully submitted

A. M. Sobieralski
A. M. SOBIERALSKI,
Comdg. Str. SURVEYOR

was a fathometer sounding,

LIST OF SIGNALS
FOR
HYDROGRAPHIC SHEET H5738 ADDITIONAL WORK, 1935

Triangulation Location.

Brundage Head, 1901.....DAG
OLD MAN ROCK, 1934.....OLD
EGG, 1901.
BIORKA HEAD, 1934.....HEAD
SENTRY, 1934.....SENT

Topographic Signals.

For location of topographic signals see report
submitted with H-5738 - except as follows: signals
Last, Pen, Pig and Up were located on Field Sheet
Letter U-B-1935.

STATISTICS

FOR

SHEET No. H 5738, ADDITIONAL WORK, 1935

SURVEYOR

<u>Vol.</u>	<u>Day</u>	<u>Date</u>	<u>Positions</u>	<u>Soundings</u>	<u>Statute Miles.</u>
1	A <i>red</i>	9-3-35	16	55	4.9
1	B <i>red</i>	10-10-35	(56)	(216)	(15.5)

NOTE: Positions 1 to 38 "B" day incl. and positions 39, 41, & 43 transferred to Vol. III field sheet No. 8135, 1935 "L" day. Position numbers changed to 49 - 86 "L" day incl. and 87-88-89. Positions and soundings also plotted on field sheet No. 8135, 1935.

MOTOR SAILER.

<u>Vol.</u>	<u>Day</u>	<u>Date</u>	<u>Positions</u>	<u>Soundings</u>	<u>Statute Miles</u>
1	a <i>yellow</i>	9-3-35	39	64	2.0
Totals:			(111)	(335)	(22.4)

TIDE NOTE FOR HYDROGRAPHIC SHEET

February 25, 1936.

Division of Hydrography and Topography:

✓ Division of Charts: Attention: Mr. E. P. Ellis

Tide Reducers are approved in
2 volumes of sounding records for

HYDROGRAPHIC SHEET 5738 Addt'l Work

Locality Entrance to Beaver Inlet, Aleutian Islands

Chief of Party: A. M. Sobieralski in 1935
Plane of reference is mean lower low water reading
4.4 ft. on tide staff at Udagak Strait
6.9 ft. below B.M. 1

Height of mean high water above plane of reference is 4.7 feet.

Condition of records satisfactory except as noted below:

P. Thurman
Acty Chief, Division of Tides and Currents.

Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. **45738**
Add'l Work (1935)

The following statistics will be submitted with the cartographer's report on the sheet:

Number of positions on sheet	... 4 .174
Number of positions checked 6
Number of positions revised 0
Number of soundings recorded475
Number of soundings revised 0
Number of signals erroneously plotted or transferred0

Date: *March 21, 1936*

Verification by *J. A. Mc Cormick*

Time: *11 hr.*

Review by *P. J. Christman*

Time: *3 1/2 hr*

HYDROGRAPHIC SURVEY NO. H5738 Add'l Work (1935)

Smooth Sheet none

Boat Sheet Plotted on original B.S.

Sounding Records 2 Vols. _____

Descriptive Report yes

Title Sheet yes

List of Signals in D.R.

Landmarks for Charts (Form 567) none

Statistics yes

Approved by Chief of Party CofP wrote the report

Recoverable Station Cards (Form 524) none

Special Chart for Lighthouse Service no
(Circular Nov. 30, 1933)

Remarks _____

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY DESCRIPTIVE REPORT PHOTOSTAT OF	}	No. H 5730 Add'l Work (1935) No. T	{ received Feb. 12, 1936 registered Feb. 14, 1936 verified reviewed approved
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This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE		Initial	Attention called to
20			
22			
24			
25			
26			
30			
40			
62			
63			
82			
83			
88			
90			

RETURN TO

82	
----	--

C. W. Smith Feb. 15, 1936.

Verifier's ~~W~~ Report on H-5738 (Additional Work)

Records: Records conform with specifications except: Day letters on cover of sounding volumes are not in the color used on the sheet. Positions 1-43B (red) have been transferred by field party to records of Sheet (Field No. 8135) not as yet registered in this office. These ^{Sounding} positions should be ~~removed from the records of~~ ^{not be} ~~on~~ ^{used} Field Sheet 8135 as verifier has plotted them on H-5738 by using a sub-sketch.

Drafting: Tracing was submitted by the field party. G.H. Everett of this office transferred positions and soundings to the smooth sheet. Approximately 25 per cent of the positions were protracted by Mr. Everett as a check on the field plotting. Topographic sheet showing Signals Last, Pen, Pig and Up has not been received in this office. Field party's positions as shown on the tracing had to be accepted.

Junctions: It was necessary to extend the overlap from H-5759 in order to take care of the additional work.

March 21, 1936.

Submitted,

J. A. McCormick

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Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 5738 Add.Work (1935) FIELD NO. U-2234

Entrance to Beaver Inlet, Unalaska Island, Alaska
Surveyed October 1935.

Hand Lead and Fathometer Soundings. 3 Point Fixes on Shore Signals.

Chief of Party - A. M. Sobieralski.
Surveyed by - G. L. Bean and I. T. Sanders.
Protracted by - I. T. Sanders.
Soundings plotted by - I. T. Sanders.
Plotted on smooth sheet by - G. H. Everett.
Verified and inked by - J. A. McCormick.

1. Purpose of Survey.

The purpose of the additional work was to further develop two banks and a spit as listed in par. 9 of the Review of H-5738 (1934) and indicated on a bromide copy of that sheet furnished to the field party.

2. Results of Survey.

The additional work was plotted on H-5738 (1934) in the office, the fathometer soundings by the Steamer SURVEYOR being indicated by cap. letters A & B (red) and the soundings by the Motor Sailer by l. c. letter a (yellow). All the 1935 hydrography is shown in purple.

Depths on the two banks were reduced 4 fathoms, to 15 fathoms and 14 fathoms respectively. No lesser depth was found in the vicinity of the 14 fathom spit. The development indicates the absence of any dangers to navigation in these areas and no further work is required.

In addition to the work called for in the review of the 1934 work, a 33 fathom spot about 1 mile east of Egg Island was further examined, but no lesser depths obtained.

The several lines (fathometer) run at the southern limits of the sheet and intended to be plotted on the offshore sheet (Field No. 8135 - not yet received) have been plotted as additional work on the present survey. It is noted that these lines are 2 to 4 fathoms deeper than the overlapping lines (fathometer) from H-5759 (1934), but are in fair agreement with the wire soundings on the original 1934 work (H-5738). This matter will be further looked into when the offshore work is reviewed.

3. Reviewed by - R. J. Christman, March 24, 1936.

Inspected by - A. L. Shalowitz.

Examined and approved:

C. K. Green.

C. K. Green,
Chief, Section of Field Records.

L. O. Robert.
Chief, Division of Charts.

Fred. L. Peacock
Chief, Section of Field Work.

G. Lude
Chief, Division of H. & T.

Applied to new compilation of Chart No. 9007 (extended)
Aug. 1938.

Applied to Chart Comp. 9018 H. Mac Ewen July 27, 1939.
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