

# 7006

## Additional work

Diag'd on Diag. Ch. No. 8863-2

Form 504	
U. S. COAST AND GEODETIC SURVEY DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey .....	HYDROGRAPHIC
Field No. ....	Office No. H-7006
LOCALITY	
State .....	ALASKA
General locality .....	ALEUTIAN ISLANDS
Locality .....	TANAGA BAY
194 5	
CHIEF OF PARTY	
G.D. MEANBY, Commanding Ship SURVEYOR	
LIBRARY & ARCHIVES	
DATE .....	MAR 11 1946

Additional work

*Additional Work*

# 7006

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

REG. NO. H-7006  
H7006  
ADDITIONAL WORK

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. ....

REGISTER NO. H-7006

State ALASKA

General locality ALEUTIAN ISLANDS

Locality TANAGA BAY

Scale 1/10000 Date of survey October, 1945

Vessel Launch No. 4

Chief of Party C.D. Meaney, Commanding Ship SURVEYOR, 1945

Surveyed by R.C. Rowse

Protracted by C.L. Kittleson

Soundings penciled by C.L. Kittleson

Soundings in fathoms ~~feet~~

Plane of reference M.L.L.W.

Subdivision of wire dragged areas by

Inked by A.P. STIRNI

Verified by A.P. STIRNI

Instructions dated 3 February, 1938

Remarks: Incompleted survey

NOTES TO ACCOMPANY

HYDROGRAPHIC SURVEY H-7006

TANAGA BAY - ALEUTIAN ISLANDS

1945 C.S. 218

Scale: 1/10000

Chief of Party: C.D. Meaney, Commanding Ship SURVEYOR, 1945

Field Work by: R.C. Rowse

A. PROJECT:

This work was executed under Instructions for Project C.S. 218 dated 3 February 1938; Supplemental Instructions dated 16 April, 1943 and 1 February 1944; Instructions issued by Capt. F.B.T. Siems dated 5 May and 28 May, 1945.

B. SURVEY LIMITS AND DATES:

The original survey and report were forwarded in 1944. Some additional work was needed to complete the survey. Adverse weather conditions near the end of the 1945 field season when the work was undertaken prevented the completion of this work. One day of launch hydrography was accomplished. Additional development is needed.

C. VESSELS AND EQUIPMENT:

Launch No. 4 attached to the Ship SURVEYOR was used. All depths were obtained by the 808 recorder No. 52.

D. TIDES AND CURRENTS:

Inferred hourly heights for Tanaga Bay were furnished by the Washington Office. No current stations were occupied.

F. CONTROL STATIONS:

Signals previously located by triangulation and topography supplemented by additional signals located by sextant fixes and one station located by triangulation.

H. SOUNDINGS:

Standard methods were used to obtain all depths.

I. CONTROL OF HYDROGRAPHY

All sounding lines were controlled by sextant fixes.

J. ADEQUACY OF SURVEY:

Incomplete.

Respectfully submitted,

*Wilbur R. Porter*

Wilbur R. Porter  
Lt. Comdr., C. & G. S.

Approved:

*C.D. Meaney*

C.D. MEANEY  
Lt. Comdr., C. & G. Survey  
Comdg. Ship SURVEYOR

## Velocity Corrections

See Report of Velocity Corrections - Delarof Islands, 1945. Copy of ~~corrections used are attached.~~

STATISTICS H-7006, 1945

Launch No. 4

Date	Vol.	Day	No. Position	No. Stat. Miles
10/8	1	a	98	11.5

Area - 0.5 sq. miles.

List of Signals H-7006, 1945

Name	Origin
Bil	Vol. 1
Blob	Topo.
Can	Topo.
Dog	Topo.
East	Topo.
Era	Topo.
Far	Vol. 1
Last (Las)	Topo.
MAY	Triangulation
New	Vol. 1
Oak	Topo.
Sig	Topo.
Shack	Vol. 1
Sty	Topo.
West	Topo.
ZED	Triangulation

GEOGRAPHIC NAMES

Survey No. **H7006**

**Additional work**

Name on Survey

	A	B	C	D	E	F	G	H	K	
	On Chart No.	On previous survey No.	On U. S. Quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List		
										1
										2
										3
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										26
										27



Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. **H7006** Additional work

Records accompanying survey:

Boat sheets .1...; sounding vols. .1...; wire drag vols. ....;  
 bomb vols. ....; graphic recorder rolls 1./Env;  
 special reports, etc. ....  
 .....

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

Number of positions on sheet	..98..
Number of positions checked	..21..
Number of positions revised	.....
Number of soundings revised (refers to depth only)	..7..
Number of soundings erroneously spaced	.....
Number of signals erroneously plotted or transferred	.....
Topographic details	Time .....
Junctions	Time .....
Verification of soundings from graphic record	Time .. 1 hrs. ....

Verification by *A. P. STIRNI* ..... Total time .10.... Date *4/24/46*

Reviewed by *R. H. Carters* ..... Time *3 hr* Date *4/27/46*

*Hurn*

Form 712  
DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY  
Rev. June 1937

## TIDE NOTE FOR HYDROGRAPHIC SHEET

15 March 1946

~~Division of Hydrography and Topography:~~

Division of Charts: H. W. MURRAY

Plane of reference approved in  
1 volumes of sounding records for

HYDROGRAPHIC SHEET 7006 (additional work)

Locality Tanaga Bay, Aleutian Is., Alaska

Chief of Party: C. D. Meaney in 1945  
Plane of reference is mean lower low water, reading  
2.3 ft. on tide staff at Tanaga Bay  
10.3 ft. below B. M. 1

Height of mean high water above plane of reference is 4.0 feet.

Condition of records satisfactory except as noted below:

*E. H. Green*

Chief, Division of Tides and Currents.

REVIEW OF H-7006 ADD. WK. 1945

No regular review is considered necessary for the small amount of additional hydrography accomplished on this survey.

The control was that used on the original survey, supplemented by hydrographic signals recorded in the sounding volume of the present survey.

The information of the present survey should be added to Chart 9146.

Development of shoal indications recommended in the Review of H-7006 (1944) is still to be accomplished.

May 1, 1946

Inspected: H. W. Murray

*R. H. Carstens*

R. H. Carstens

# NAUTICAL CHARTS BRANCH

SURVEY NO. H7006 Additional work

## Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
4/3/46	8863	Albert	Before <del>After</del> Verification and Review <i>Examined</i>
			<i>no cor. now</i>
7-23-51	9146	<i>W. Evans III</i>	<del>Before</del> After Verification and Review <i>Partially applied.</i>
15 Feb '55	<i>Reconst</i> 9146	<i>H. MacLure</i>	<del>Before</del> After Verification and Review <i>Fully applied.</i>
11/28/58	<i>Reconst</i> 8863	<i>J. J. Walker</i>	<del>Before</del> After Verification and Review
12/30/92	1667	<i>Joseph Robinson</i>	<del>Before</del> After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
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			Before After Verification and Review
			Before After Verification and Review

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.

7006

7006

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey	HYDROGRAPHIC
Field No. DE-1244	Office No. H-7006
LOCALITY	
State	ALASKA - ALEUTIAN ISLANDS
General locality	TANAGA ISLAND
Locality	SOUTH SIDE OF TANAGA BAY
1944	
CHIEF OF PARTY	
L. C. Wilder	
DERICKSON	
LIBRARY & ARCHIVES	
DATE	MAY 21, 1945

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

REG. NO. **H7006**

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. DE 1244

REGISTER NO. H-7006

State ALASKA - Aleutian Islands

General locality Tanaga Island  
~~ALYUTIAN ISLANDS~~

Locality South side of Tanaga Bay

Scale 1:10,000 Date of survey July - Sept., 19 44

Vessel DERICKSON

Chief of Party L. C. Wilder

Surveyed by E. B. Brown and E. E. Jones

Protracted by G.A.J. Pauw

Soundings penciled by G.A.J. Pauw

Soundings in fathoms ~~feet~~ Fathoms and tenths

Plane of reference MLLW

Subdivision of wire dragged areas by \_\_\_\_\_

Inked by Glen B. Woolley

Verified by Glen B. Woolley

Instructions dated Project CS-218 - April 16, 1943 & Feb. 1, 1944  
Instructions from Liaison Officer, 6/10/44.

Remarks: Smooth Sheet and Plotting by the Seattle Processing Office.

Descriptive Report to Accompany Hydrographic  
Sheet H-7006 (Field No. DE-1244)

Scale 1:10,000

Tanaga Bay, Aleutian Ids., Alaska  
L. C. Wilder Chief of Party  
USC&GS DERICKSON  
Season of 1944

PROJECT

This hydrography was accomplished under Project CS-218, Instructions dated 16 April 1943. Supplemental Instructions were dated 1 February 1944. Under date of 10 June 1944, Lt. Comdr. Durgin wrote instructions for the hydrography and topography of Tanaga Bay (Project 4, 1944).

SURVEY LIMITS AND DATES

This sheet covers the alongshore work at the southeast and south sides of Tanaga Bay and joins H-7004 (1944) and H-7026 (1944) on the north.

Work on this sheet was undertaken only when it would not interfere with the principle project of the season, 2nd Order Triangulation. For this reason the dates from beginning to end of field work covered a considerable period of time.

Work was started on July 6 and ended on Sept. 25.

VESSEL AND EQUIPMENT

All work accomplished by parties from the MV Derickson was done in that vessel's 24 foot motor sailer using an 808A Fathometer with both transceivers placed in the bilges of the launch. This launch was operated from the MV Derickson. At different times L. C. Wilder, W. F. Malnate, E. B. Brown and E. E. Jones were in charge of the launch. The turning radius of this launch is 10 to 15 feet.

TIDE AND CURRENT STATIONS

A portable automatic tide gage tended by personnel of the MV Patton was in operation on the south shore of Tanaga Bay for all work except that of Sept. 21st to 25th at which time a gage was in operation in Lash Bay, Tanaga Id. Tides at that station were corrected to obtain the reducers at Tanaga Bay (this obtained from Wash. Off).

There were no current stations.

CONTROL STATIONS

Triangulation stations on these sheets were located in 1943 by the parties on the ships Explorer and Patton and in 1944 by the party on the MV Patton. Some of these stations are described as of 4th order accuracy. On graphic control sheet T-6975 (1944), the party on the MV Derickson located the topographic stations in 1944.

Many of the topographic stations were first located by sextant cuts. This was followed by the topographic and graphic control locations which were more accurate.

### SHORELINE

Graphic control sheet T-6975 (1944) obtained a small amount of shoreline. The 1934 photographs of the U. S. Navy were inspected and stations pricked. These photographs have been forwarded to Washington D. C. ✓

No low waterline was checked on the photographs and the sounding obtained very little low water line. ✓

### SOUNDINGS

Soundings were obtained by 808A Fathometer, the transceivers mounted in the bilges of the launch. Two to three bar checks were obtained each day with bar set at depths of 2 to 10 fathoms. Very few returns were obtainable with bar set at over 10 fathoms. The initial was adjusted so that with bar set at 2-fms., the sounding read correctly 2-fms. Revolutions of the 808A were counted at each bar check. Fathometer and lead line soundings were obtained also at each bar check when depths were suitable. ✓

### CONTROL OF HYDROGRAPHY

Usual three point fixes. ✓

### ADEQUACY OF SURVEY

This survey was not quite completed because of lack of suitable weather. There remains about 2-3 days launch work inshore between the western limits of the survey and Long. 178-02.5. These areas are foul and at the close of the season were clogged with kelp. It is probable that before the growth of kelp advances in the spring, that these areas can be sounded. A 10.3 fm. spot in Lat. 51-43.0, Long. 178-04.4 requires examination by hand lead. Junction with adjoining surveys is satisfactory. ✓

### CROSSLINES

Only a few short cross lines were run. The party was not able to complete the main scheme of lines because of weather and lack of time. ✓

### DANGERS AND SHOALS

A 5.1 fms. spot in Lat. 51-43.05, Long. 178-06.25, pos. 52b. ✓  
No other important dangers or shoals were found. There are numerous ledges or reefs, but too close inshore to be of importance.

### COAST PILOT INFORMATION

Coast pilot notes have been written for the entire seasons work in a separate report. ✓

Close inshore off the south shore of Tanaga Bay, offers some protection in southwesterly weather and of course good protection in southerly to easterly weather. The bottom is gray sand except where ledge makes out from the shore. ✓

The south shore of Tanaga Bay is rocky with much offlying ledge and reefs. ✓

### AIDS TO NAVIGATION

There are no aids to navigation. ✓



LANDMARKS FOR CHARTS

A SHACK and two waterfalls on the south side of the bay in approximate longitude 178-02 were the only objects submitted on Form 567 for the seasons work. ✓

GEOGRAPHIC NAMES

A Special Report on Geographic Names for the seasons work has not been submitted because practically no information was obtainable. ✓

There are no local inhabitants in the locality who may be consulted. ✓  
Two small boat operators were consulted but they had no information.

I would judge that a name is needed for the north tip of Cape Amagalik as this is the point seen in entering Tanaga Bay. = Kulak Pt (from Bay Fer, on ✓

CH. 9146)

Respectfully Submitted

/s/ L. C. Wilder

L. C. Wilder  
Lieut. Comdr. USC&GS

H-7006

LIST OF SIGNALS

ABS	T-6975 (1944)	MA	T-6975
ANY	"	MAG	MAG 1943
		MOP	T-6975
BAKE	"		
BLOB	"	MAC	"
BOX	"	MUP	"
CAN	"	OAK	"
CAT	T-6974a (1944)	OLD	"
CROSS	T-6975		
		PA	T-6974a
DAY	DAY 1943	PEP	T-6975
DO	T-6974a		
DOG	DOG 1944	QUE	"
EAST	T-6975	ROB	"
EB	"		
KRA	"	SHACK	"
		SIG	"
FACE	FACE 1944	STY	"
FALL	T-6975		
		TIT	TIT 1943
GIN	"	TIDE	T-6975
GUS	T-6974a		
HAM	"	HAT	"
HAN	HAN 1943	WE	T-6974a
HIGH	T-6974a	WEST	T-6975
		WIN	2
INK	T-6975	ZED	ZED 1943
KING	"		
LAS	"		
LIT	"		

Statistics for Hydrographic Survey No. H-7006, (Field No. 1244 & 1344) (1944)

M. V. DERICKSON

Field No. 1244

Day	Vol.	Date	No. of H. L. Soundings	Positions	Statute Miles
a	1	7/6/44	-----	11 ✓	-----
b	1	7/8/44	1	42 ✓	4.3
c	1	7/21/44	2	69 ✓	12.5
d	1&2	9/21/44	5	220 ✓	26.3
e	2	9/23/44	14	90 ✓	7.9
f	2	9/25/44	4	98 ✓	16.5

Field No. 1344

a	1	9/23/44	1	59 ✓	10.4
b	1	9/25/44	0	84 ✓	16.0
c	1	9/26/44	0	16 ✓	2.5

Totals

27

689 ✓

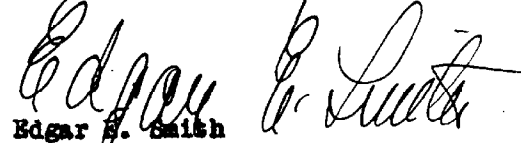
96.4

Area of Survey 3.3 square statute miles

98  
107

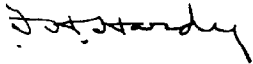
11.5  
101.9

Respectfully submitted,



Edgar E. Smith  
Cartographic Engineer  
Seattle Processing Office

Approved and Forwarded,



F. H. Hardy  
Officer in Charge,  
Seattle Processing Office.

Surveys Section (Chart Division)

HYDROGRAPHIC SURVEY NO. **..H2006-**

Records accompanying survey:

Boat sheets .1...; sounding vols. 3...; wire drag vols. 7...;  
bomb vols. 7...; graphic recorder rolls .2...;  
special reports, etc. ....  
.....

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

Number of positions on sheet	.689.
Number of positions checked	..80.
Number of positions revised	...2.
Number of soundings recorded	3990.
Number of soundings revised (refers to depth only)	..15.
Number of soundings erroneously spaced	..30.
Number of signals erroneously plotted or transferred	...0.
Topographic details	Time .8 hrs.
Junctions	Time .6 hrs.
Verification of soundings from graphic record	Time .8 hrs.

Verification by *Glen B. Woolley* Total time 110 hrs. Date 7-23-45.

Review by *J.A. McCormick* Time .35 hrs. Date 10/3/45.

GEOGRAPHIC NAMES

Survey No. H-7006

Name on Survey	A	B	C	D	E	F	G	H	K	
	On Chart No.	On previous survey No.	On U. S. Quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List		
Aleutian Islands										1
Tanaga Island					515	775		USGB		2
Tanaga Bay					515	780				3
Kulak Point					1					4
Cape Amagalik					1					5
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										27

Heck on 10/4/45

DIVISION OF CHARTS

REVIEW SECTION -- NAUTICAL CHART BRANCH

REVIEW OF HYDROGRAPHIC SURVEY

REGISTRY NO. 7006

FIELD NO. DE-1244

Aleutian Islands; Tanaga Island; South Side of Tanaga Bay  
Surveyed in July - Sept. 1944      Scale 1:10,000  
Project No. CS-218

Soundings:

808A Fathometer

Control:

Three-point fixes on shore signals

Chief of Party - L. C. Wilder  
Surveyed by - E. B. Brown; E. E. Jones  
Protracted by - C. A. J. Pauw  
Soundings plotted by - C. A. J. Pauw  
Verified and inked by - G. B. Woolley  
Reviewed by - J. A. McCormick, Oct. 3, 1945  
Inspected by - H. W. Murray

1. Shoreline and Signals

Shoreline and topographic signals are from topographic survey T-6974a (1944), graphic control survey T-6975 (1944) and from air-photo correction sheets CS-312 and CS-313, compiled from photographs flown by the U. S. Navy in 1934. The compiled shoreline is ~~fair but is~~ the best that could be interpreted from poor photographs. T-6975 should have included a complete topographic survey of the area within its limits.

2. Sounding Line Crossings

Agreement at crossings is satisfactory.

3. Bottom Configuration

Along shore the bottom is rocky and irregular. Offshore is sand bottom, mostly regular but with occasional rises or humps.

4. Adjoining Surveys

Satisfactory junctions were effected with H-7004 (1944) on the east and with H-7026 (1944) on the north. The inshore area on the west has not been surveyed.

5. Previous Surveys

This Bureau had not previously surveyed any part of the subject area.

6. Comparison with Chart 9146 (Print of March 31, 1945)

Depths charted in this area are from Bp. 39016, compiled in the field from boatsheets. Differences between preliminary and final results usually do not exceed a few tenths of a fathom but occasionally re-scanning of fathograms has introduced greater changes. Principal revision downward is from 2 fathoms (charted) to 5.6 fathoms in lat.  $51^{\circ} 42.6'$ , long.  $178^{\circ} 05.1'$ . The chart should be brought to agreement with the survey.

7. Compliance with Project Instructions

The completed part of the survey is satisfactory.

8. Additional Field Work Recommended

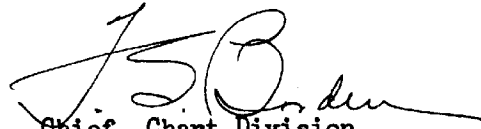
The descriptive report states that the survey was not completed because of inclement weather. When the inshore area west of Cape Amagalik is surveyed, the work should be extended east to long.  $178^{\circ} 02'$  to complete the area on the present survey between lat.  $51^{\circ} 43'$  and the beach. Shoal indications needing additional development are readily apparent on the smooth sheet.

*Hydrography in inshore area done on Add. U.K. 1945*

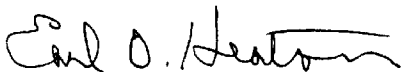
Examined and approved:



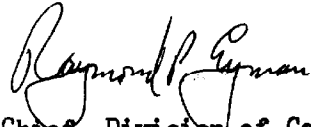
Chief, Nautical Chart Branch



Chief, Chart Division



Chief, Section of Hydrography



Chief, Division of Coastal Surveys



rec  
HWM

## TIDE NOTE FOR HYDROGRAPHIC SHEET

28 May 1945

Division of Hydrography and Topography:

✓ Division of Charts: Attention: H. W. MURRAY

Plane of reference approved in  
3 volumes of sounding records for

HYDROGRAPHIC SHEET 7006

Locality Tanaga Bay (S. Side), Aleutian Islands

Chief of Party: L. C. Wilder in 1944

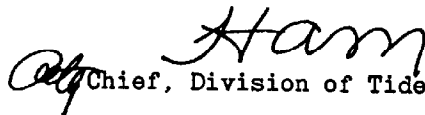
Plane of reference is mean lower low water reading

2.3 ft. on tide staff at Tanaga Bay

10.3 ft. below B. M. 1

Height of mean high water above plane of reference is 4.0 feet.

Condition of records satisfactory except as noted below:

  
Chief, Division of Tides and Currents.

# NAUTICAL CHARTS BRANCH

SURVEY NO. H. 7006

## Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
10-4-45	8863	<i>J.M.A.</i>	<del>Before</del> After Verification and Review
4/30/48	9146	<i>F.A. McGann</i>	<del>Before</del> <u>After</u> Verification and Review <i>Partially applied.</i>
15 Feb '55	<sup>Reconst.</sup> 9146	<i>H. MacEwen</i>	<del>Before</del> After Verification and Review <i>Fully applied.</i>
11/28/58	<sup>Reconst.</sup> 8863	<i>J.P.W.</i>	<del>Before</del> After Verification and Review
12/30/92	16467	<i>Joseph Polson</i>	<del>Before</del> After Verification and Review
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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.