

8149

8149

Form 504
Rev. June 1941
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Air Photographic Sheet
Plane Table *Survey* No. T-8149
Hydrographic (Field)

MARYLAND
KEDGES STRAITS
QUADRANGLE
N3800 - W7600/75

LOCALITY

State Maryland
General locality Chesapeake Bay
Locality Kedges Straits

1942

CHIEF OF PARTY

Lieut. Comdr. F. L. Gallen
Lieut. Comdr. Kenneth G. Crosby

U. S. GOVERNMENT PRINTING OFFICE 315551

October 2, 1945

DATA RECORD

T- 8149

Quadrangle (II): Kedges Straits

Project No. (II): CS-278-C

Field Office: Salisbury, Md.

Chief of Party: F. L. Gallen

Compilation Office: Tampa, Fla. Chief of Party: K.G. Crosby

Instructions dated (II III):

Mar. 4, 1942, March 27, 1942, Aug. 13, 1942.

Copy filed in Descriptive

Report No. T- (VI)

Completed survey received in office: 9/7/42

Reported to Nautical Chart Section: 9/42

Reviewed: 12/14/42

Applied to chart No.

Date:

Redrafting Completed: 2/16/43

Registered: 9/28/45

Published:

Compilation Scale: 1:20,000

Published Scale: 1:31,680

Scale Factor (III): Unity

Geographic Datum (III): N.A. 1927 Datum Plane (III): Mean Sea Level

Reference Station (III): DOUG, 1942

Lat.: 38-07-10.89 (335.8)

Long.: 76-04-53.13 (1294.2)

~~Adjusted~~
Unadjusted xState Plane Coordinates (VI): *Maryland State Coordinate system (single zone)*
To be added when received from computing section.

X = 1,064,280.88 ft. Y = 105,615.11 ft.

Military Grid Zone (VI) "A"

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
8977	4-18-42	2:30	1:20,000	1.5
8837	4-14-42	4:42	"	0.4
8805	4-14-42	3:19	"	1.0

Tide from (III): Solomans Lump Light house, Chesapeake Bay, Md.

Mean Range: 1.7 Spring Range: 2.0

Camera: (Kind or source) C & G. S. 9 lens

Field Inspection by: J. C. Lajoie date: June 1942

Field Edit by: C. O. Rector date: Oct. 1942

Date of Mean High-Water Line Location (III): 4-14-42
4-18-42

Projection and Grids ruled by (III) Wash. Office date:

" " " checked by: date:

Control plotted by: J.E.H. date: July 1942

Control checked by: date:

Radial Plot by: J.E.H., C.A.J.P., L.C.B. date: July 1942

Detailed by: C.A.J.P. date: July & Aug.

Reviewed in compilation office by: J.H.S.B. date: Aug.

Elevations on Field Edit Sheet checked by: No Wye levels date: *2 tidal bench marks.*

STATISTICS (III)

Land Area (Sq. Statute Miles): 9.5

Shoreline (More than 200 meters to opposite shore): 44

Shoreline (Less than 200 meters to opposite shore): 36

Number of Recoverable Topographic Stations established: 12

Number of Temporary Hydrographic Stations located by radial plot:

Leveling (to control contours) - miles: None

Roman numerals indicate whether the item is to be entered by, (II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

When entering names of personnel on this record give the surname and initials (not initials only).

Remarks:

DESCRIPTIVE REPORT
TO ACCOMPANY
SHEET NO. T-8149

GENERAL

This sheet was compiled in accordance with instructions dated: March 4, 1942.

The general location of the area covered by this map drawing is Maryland, Chesapeake Bay, in the vicinity of Kedges Straits.

The terrain is comprised of very flat deeply indented islands which are entirely covered by marshes and numerous small ponds with the exception of a narrow low sandy ridge along the north and north west shore of Smith Island.

At the time this sheet was compiled field inspection had not advanced to the stage where vegetation was identified and classified for military purposes. For this reason, the compiler was unable to label vegetation except to indicate that the land areas appear from the photographs as being extensively covered with marsh.

With the exception of an abandoned road and house on Holland Island there is no evidence of any cultural developments.

CONTROL

The following triangulation stations, established by this Bureau, appear within the tracing limits of this sheet.

NAME	DATE	ESTABLISHED BY:
Doug	1942	W. B. Patterson
Holland Island Bar Lighthouse	1897	F. W. Perkins
Big Thorofare West " No. 1	1942	W. B. Patterson
Solomon Lump Lighthouse	1898	F. W. Perkins

MAIN RADIAL PLOT

A continuous radial plot was laid on July 23, 1942 to locate radial points, hydrographic and topographic stations, bench marks, and photographic centers. The plot extended over the area covered by sheets T-8135, T-8149, T-8163 and the westernmost portions of sheets T-8150 and T-8162.

The usual practice of laying the main radial plot was followed. This consisted of plotting and checking the control on the survey sheets and then transferring these points to the base grid sheets by matching individual grid squares. The amount of adjustment in each grid square was negligible. The grid sheets were taped to the plotting table and allowed to remain for 24 hours before any templates were laid. Prior to laying the templates the base grid sheets were examined for movement and where such movement had taken place the grid sheets were given a final adjustment and all matched grid lines were in excellent agreement.

The plot consisted of twelve templates. Template No. 8835 showed 9 triangulation stations. Template No. 8836 showed 8 triangulation stations. Templates Nos. 8977 and 8978 showed 7 triangulation stations. Templates Nos. 8979 and 8837 showed 6 triangulation stations. The remainder of the templates showed from one to five triangulation stations.

The templates which were most rigidly fixed by triangulation control were laid first. The templates having the least control were laid by rigidly holding what triangulation was available while at the same time holding well established points as determined by radial intersections of the previous more rigidly controlled templates. Agreement along the flight lines as well as the intersections of radial lines to the adjacent photographs centers was excellent throughout.

Excessive tilt was encountered in several of the photographs, the worst condition being found in photographs Nos. 8820 and 8804, (maximum distance of tick marks from intersections $1\frac{1}{4}$ inches); photographs Nos. 8805, 8936, 8978, (maximum distance of tick marks from intersections $\frac{1}{2}$ to $3/4$ inch).

Template No. 8806 was omitted because it was superfluous, ample excellent intersections already having been obtained by surrounding templates.

This plot was laid by two senior aides assisted by an Engineering Aide under the immediate supervision of a principal Engineering Draftsman. The time consumed in laying this plot amounted to 5 hours or 17 man hours including the supervision.

All of the intersections were transferred from the radial plot to the survey sheets by again matching the grid squares to those of the base grid sheets. The majority of the points were located by the common intersection of four to six radial lines. About 20 per cent of the points were located by the common intersection of two radial lines only. Further investigation of these points is to be made by the individual detailers.

Various colored inks were used on the mounted office prints and on the survey sheets to designate triangulation, traverse and topographic stations, etc. The following key is furnished for this information:

Photographs (Office Prints)

Triangulation & Traverse Stations.....2.5 mm blue circle
 Marked Hydro. and Topo. Signals.....2.5 mm green circle
 Radial Points (Main Plot)2.5 mm red circle
 Radial Points (Additional).....3.5 mm red circle
 Photograph centersDouble circle

Survey Sheets

Triangulation Stations3.5 mm high black triangle
 Hydro. & Topo. Stations.....2.5 mm black circle
 Radial Points (Main Plot)2.5 mm purple circle on back
 Radial Points (Additional)3.5 mm purple circle on back
 Radial Points (Questionable)3.5 mm green circle on back

NON-FLOATING AIDS

Non-floating aids appearing on this sheet have been listed on Form 567, which has been made apart of this report. These non-floating aids were plotted from sextant fixes.

INTERPRETATION OF PHOTOGRAPHS

The photographs were clear, and no peculiar difficulties in interpretation were encountered.

FIELD INSPECTION

Field inspection was made by John C. Lajoye, Senior Photogrammetric Aid, and Douglas B. Hancock, Assistant Engineering Aid. The inspection in this area consisted solely of marking the high-water line. The nature and density of vegetation was not indicated.

DETAILING

This sheet was detailed in accordance with current instructions for this project. The sheet was prepared for inking by rubbing it with dry magnesium carbonate and then washing it. The ink has adhered well and no re-inking has been necessary.

The scale of all the photographs was good; there was sufficient overlap with the exception of the south eastern portion of the sheet. In this area a number of radial points could be determined from only two photographs. These radial points have been shown in green ink on this map drawing. Two radial points which were determined from three photographs by extremely slim intersections also are shown in green ink.

Symbols have been used wherever time could be saved without reducing the accuracy of the map. The legend of symbols used by the compiler has been made a part of this report.

JUNCTIONS

This map drawing joins sheet number T-8135 on the north; sheet T-8150 on the east, and sheet T-8163 on the south. All junctions are in excellent agreement.

GEOGRAPHIC NAMES

Geographic names on this map drawing are as shown on the United States Coast & Geodetic Survey chart 1224; dated May 28, 1942.

LAND MARKS

No prominent landmarks appear on this sheet.

Respectfully submitted,

Cornelius A. J. Pauw
Cornelius, A. J. Pauw,
Senior Engineering Aid

Forwarded:

Kenneth G. Crosby
Kenneth G. Crosby,
Chief of Party...

FIELD EDIT REPORT
QUADRANGLE NO. T-8149
PROJECT NO. CS-278-C

46. The field edit on this quadrangle consisted of a visual inspection from the launch "ELSIE". Hand level observations were made to determine the elevation of the marshy islands. The time and date of these sights were noted and the stage of tide determined from the tide tables. There is no ground elevation over 4 feet on the islands.

Deletions are shown in green ink and additions in black ink.
Boundaries are shown in purple ink.

48. There are no vertical or horizontal accuracy tests on this quadrangle. See reports for quadrangles T-8108 and T-8133 for the nearest horizontal test.

49. The lights and beacons along the southern edge of the quadrangle were located by sextant fix during the field inspection. These fixes are recorded on picking cards. These picking cards were forwarded to the Tampa Compiling Office, and Tampa Office should have forwarded them to the Washington Office. It is recommended that the plotting of the fixes be checked in Washington Office. West Light No. 4 was moved to the eastward about 20 meters by planetable cuts. The position of Big Thorofare River West Beacon No. 10 as plotted by sextant fix was roughly checked with planetable cuts. However the light list and field inspection places this light on the opposite side of the channel, so the position of the light was changed in the Salisbury Office to agree with the compiled detail. The plotting of the sextant fix on this light should be checked in the Washington Office.

Submitted by

C. O. Rector

C. O. Rector

Photogrammetric Aid

Approved by:

F. L. Gallen

F. L. Gallen,
Chief of Party

*The data for checking these
fixes has not been received in
the Washington Office 12/1/42*

*W. Ben #10 was plotted correctly
at original position shown
on manuscript. Channel was
detailed incorrectly but has
been corrected on manuscript.
D.A.B.
12/1/42*

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

Chart letter 581-1942

List of Permanent (non-floating)
aids to Navigation
T-8149

TO BE CHARTED }
TO BE DELETED } STRIKE OUT ONE

Salisbury, Md.

October 27, 1942

I recommend that the following objects which have (~~been removed~~) been inspected from seaward to determine their value as landmarks, be charted on (~~deleted from~~) the charts indicated.

The positions given have been checked after listing.

F. L. Gallen

Chief of Party.

GENERAL LOCALITY	NAME AND DESCRIPTION	POSITION						METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
		LATITUDE		LONGITUDE		DATUM							
		°	'	°	'		D. M. METERS						
Maryland, Chesapeake Bay Smith Island.	Big Thorofare River West Light 1 (Δ Big Thorofare River West Light 1)	38	00	002.1	76	03	540.9	N.A. 1927	Triangu- lation	1942	X		1224
	Big Thorofare River West Light 4	38	00	139 ^{4.5}	76	02	1337 ^{54.8}	"	Sextant	"	X		1224
	Big Thorofare River West Light 9	38	00	179.9 ⁵⁶²	76	02	546 ^{20.4}	"	"	"	X		"
	Big Thorofare River West Beacon 10	38	00	471 ^{446.15.3}	76	02	602 ^{63.4}	"	"	"	X		"
	Big Thorofare River West Beacon 8	38	00	424 ^{13.8}	76	02	745 ^{30.5}	"	"	"	X		"
	Big Thorofare River West Beacon 6 Holland Island Bar Lighthouse (Δ Holland Island Bar Lighthouse) Solomons Lump Lighthouse (Δ Solomons Lump Lighthouse)	38	00	354 ^{11.5}	76	02	912 ^{37.4}	"	"	"	X		"
		38	04	213.0	76	05	1125.0	"	Triangu- lation	1897	X		"
		38	02	1618.3	76	00	1346.6	"	"	1898	X		"

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

TO BE CHARTED } STRIKE OUT ONE
~~TO BE DELETED~~

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
LANDMARKS FOR CHARTS

Chart letter 581-1942
List of Permanent (non-floating) Aids to Navigation-Sheet T-8149

Tampa, Florida July 31, 1942 1942

I recommend that the following objects which have ~~(marked from)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(marked from)~~ the charts indicated.
The positions given have been checked after listing.

Lieut. Comdr. Kenneth G. Crosby
Kenneth G. Crosby
Chief of Party

GENERAL Maryland, Chesapeake Bay
LOCALITY Smith Island.

GENERAL Maryland, Chesapeake Bay Locality Smith Island.		POSITION				METHOD OF LOCATION	DATE OF LOCATION	CHARTS AFFECTED		
NAME AND DESCRIPTION	LATITUDE ° ' "	D. M. METERS	LONGITUDE ° ' "	D. P. METERS	N.A. DATUM 1927			HARBOR CHART	INSHORE CHART	OFFSHORE CHART
Big Thorofare, West Light No. 4	38 00	143	76 02	1862	N.A. 1927	Sextant	1942	X	1224	
" " " No. 9	38 00	552	76 02	546	"	"	"	X	"	
" " " Beacon No. 10	38 00	472	76 02	534	"	"	"	X	"	
" " " No. 8	38 00	424	76 02	745	"	"	"	X	"	
" " " No. 6	38 00	354	76 02	912	"	"	"	X	"	
Superseded by 1942 report on preceding list of positions										

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

SUPPLEMENTARY SURVEYS

	Name	Date	Hours
Control surveys.....	A. L. K. J. E. H.	July	3/4
Planetable Surveys.....			

FIELD INSPECTION

Total 3/4

	Index			
Preparation of Photographs.....	ALK, HGB, CLB	July	2 3/4	
Field Work.....				
Inking Notes.....	Field			
Coast Pilot Notes.....	Party			
Geographic Name Reports.....				
Land Marks for Charts.....				
Description Cards.....				
Recovery Notes.....				
Total			2 3/4	

MAIN RADIAL PLOT

Scale Plot.....			
Projection on Base Sheet.....			
Projection on Survey Sheet.....	Wash. Office		
Control Plotted.....	J.E.H.	July	3/4
Control Checked.....			
Control Trans. to Base Sheet.....	J.E.H.	July	1/2
Transfer Checked.....			
Control Picked on Photograph.....	CAJ.P.	July	1
Control Checked on Photograph.....	A.L.K. L.C.B.	July	1 1/2
Hydro & Topo. Stations Picked.....	C.A.J.P. L.C.B. ALK	July	11 1/2
Radial Points Picked.....	C.A.J.P. L.C.B.	July	3
Adjacent Centers Picked.....	X	June	7
Templates.....	X	July	8
Radial Plot.....	J.E.H. CAJP LCB	July	33/4
Radial Points Transferred.....	CAJP	July	1 1/2
Transfer checked.....	JEH	July	1 1/2
H & T Stations Scaled & Checked.....	CAJP LCB	July	5
Additional Radial Points.....	CAJP	July	4 1/2
Investigation of Radial Points.....	CAJP	July	1 1/2
Total			51

DETAILING

Rough Draft.....	CAJP	July & Aug	30 1/2
Smooth Draft.....			
Total			30 1/2

COMPILATION

Name overlay.....	CAJP	August	6
Descriptive Report.....	CAJP	"	5 1/2
Field Review.....	JHSB	"	6
Total			17 1/2

X- Several of office Personnel

Total time spent on Sheet..... 102 1/2 hours

PHOTOGRAPHS

Number	Date	Time	Stage of Tide
8977	4-18-42	2:30	± 1.5 Ft
8837	4-14-42	4:42	± 0.4 Ft.
8805	4-14-42	3:19	± 1.0 Ft.

Tide from predicted tables for Solomons Lump Light, Maryland, Chesapeake Bay,
Reference Station; Hampton Roads Eastern Shore

CAMERA: U. S. Coast and Geodetic Survey Nine-Lens (focal length $9\frac{1}{2}$ inches)

SCALE

Mean scale of Photographs..... 1:20,000
Scale of Survey Sheet..... 1:20,000

STATISTICS

Area (land).....	9.5	Square statute miles
Shoreline (more than 200 m. from opposite shore)...	44.4	Statute miles
Shoreline (creeks).....	36	Statute miles
Roads, streets, trails, and railroads.....	0.5	Statute miles

REFERENCE STATION

Station: Doug, 1942

Latitude: $38^{\circ}07' 10."89$ (335.8m.)

Datum: 1927 N.A.

Longitude: $76^{\circ}04' 53."13$ (1294.2m.)

State coordinates

$X = 1,064,280.88$ ft.

$Y = 105,615.11$ ft.

ABBREVIATIONS

ROADS

- W — Width (feet bet. shoulders)
- P — Private road
- OP — Overpass
- UP — Underpass
- X — Abandoned trail, road, etc.
- RR — Railroad tracks; as 2 tracks

WOODS CLASSIFICATION

Density Classification

- 1 — Scattered
- 2 — Thinly wooded
- 3. — Heavily wooded
- 4 — Densely wooded

Types of woods

- D — Deciduous
- P — Evergreen and pine
- R — Brush
- S — Scrub
- Y — Cypress
- L — Young trees (LP—young pines
LD—young deciduous trees)

SHORE LINE

- HWL — Mean high water; fast land
- LWL — Low water line
- LL — Light line; marsh shore line
- M — Marsh inshore limits
- MW — Marsh grass in water
- Dk — Dock
- Pier — Pier
- Se W — Sea wall
- Bkhd — Bulkhead
- Jet — Jetty
- Dol — Dolphin
- Pile — Pile
- S — Sand
- Mud — Mud
- Rk — Rock or rocky
- Sty — Stony
- Conc — Concrete
- Wo — Wood
- Blf — Bluff
- Dune — Dune

BOUNDARIES

- F — Fence
- Sty F — Stone fence
- F B — Fire Break
- Hdg — Hedge
- Park — Park
- Cem — Cemetery
- Co — County
- Md. — Maryland
- Va. — Virginia
- Bdy — Boundary

VEGETATION

- C — Cultivation
- Gr — Grass

BUILDINGS

- Ho — House
- Ba — Barn
- Sh — Shed
- Bldg — Building
- Bo Ho — Boat House
- Ch — Church (give name)
- Ct Ho — Court House (give name)
- P O — Post Office (give name)
- Sch — School (give name)
- Hos — Hospital (give name)
- RR Sta — Railroad station
- Sto — Country store or gas sta.
- P Sta — Power Station
- Ck H — Chicken House
- D — Dwelling

LANDMARKS

- FT — Fire tower
- TT — Transmission tower
- RT — Radio Tower or mast
- Air Bn — Airway beacon
- Bn — Non-lighted aid to navigation
- Lt — Lighted aid to navigation
- Tk — Low tank
- Tk elev — Tall tank
- Stk — Stack

STREAMS, PONDS & BRIDGES

- D — Largest ditches only
- DX — Small
- IS — Intermittent stream
- PD — Probable drainage
- Cr — Creek
- Ca — Canal
- Brg — Bridge, (capacity & clearance)
- Cv — Culvert (capacity)
- Lev — Levee
- Dam — Dam
- P — Pond
- IP — Intermittent pond

ROAD CLASSIFICATION FOR MAPS OF ALL SCALES

CLASS	LABEL	STRUCTURE	LOADING
1	Dependable hard-surface heavy duty road.	Concrete, asphaltic concrete bituminous Macadam, H-15 type structures.	Will bear heaviest loads with little maintenance.
2	Secondary, hard-surface all-weather road.	Surface-treated, oiled gravel, waterbound Macadam, structures generally lighter than H-15 but sturdy.	Will bear fairly heavy military loads in all weather if maintained.
3	Loose-surface graded, dry-weather road.	Gravel or stone surface, stable material, selected sand-clay, etc. Drained and graded.	Will bear light military loads in good weather.
4	Unimproved road.	Graded and drained earth, with very light structure.	Generally unsuitable for military loads.
4U	Truck road	Woods roads, farm roads, etc. over which a standard gage vehicle can be driven.	
5	Trail	(Horse trails, foot trails, etc.)	

Roads with more than two (2) lanes are indicated by note along road, e. g. 3 LANE. Change in lanes shown by tick at point of change. Main roads have two lanes unless otherwise marked.

Private roads are designated by the letter P after the road classification.

WOODS CONCEALMENT CLASSIFICATION

- Class A: Trees over 10' high and thick enough to hide troops.
- Class B: Brush thick enough to hide troops but dense enough to impede progress.
- Class C: Scattered brush thick enough to hide troops but not thick enough to impede progress.

GEOGRAPHIC NAMES LIST FOR T-8149

✓ Abrahams Point	✓ Smith Island
✓ Back Cove	✓ Solomons Lump L. H.
✓ Bairds Point	✓ Sound Gut
✓ Boat Island	✓ South Marsh <i>Island</i>
✓ Brant Hole	✓ Sound Point
✓ Brant Hole Point	✓ Spring Island
✓ Bridge Creek	✓ Swan Island
✓ Channel Point	✓ Tangier Sound
✓ Channel Point Gut	✓ Thomas Island
✓ Fishing Creek	✓ Thomas Island Gut
✓ Fishing Point	✓ Thomas Point
✓ Fog Point	✓ Troy Islands
✓ Fog Point Cove	✓ Western Islands
✓ Goose Creek	
✓ Gunlow Point	
✓ Holland Island	
✓ Holland Island Bay	
✓ Holland Island Bar L. H.	
✓ Holland Straits	
✓ Jenny Island	
✓ Joe's Ridge	
✓ Joe's Ridge Creek	
✓ Johnsons Cove	
✓ Johnsons Point	
✓ Kedges Straits	
✓ Lighting Knot Cove	
✓ Little Pungers Creek	
✓ Long Point	
✓ Muscle Hole	
✓ Muscle Hole Point	
✓ Noah Ridge	
✓ North End Bottom	
✓ Old Ground Gut	
✓ Old Ground	
✓ Old Ground Marsh	
✓ Oyster Creek	
✓ Pry Cove	
✓ Pry Island	
✓ Pungers Cove	
✓ Pungers Creek (Big Pungers Creek R)	
✓ Pungers Point	
✓ Sawney Cove	
✓ Sedgy Point Cove	
✓ Sedgy Point	
✓ Sedgy Point Gut	
✓ Sheepshead Harbor	
✓ Sheepshead Point	

✓ Add:

Barnes Landing creek

NAMES FOUND IN GEOGRAPHIC NAMES REPORT
NOT SHOWN ON COMPILATION

Barnes Landing Creek

T-8149

No. 1.

Remarks

Decisions

1		U.S.G.B.
2		
3		381760 "
4		"
5		"
6		"
7		380760 "
8		381760
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		380760
21		"
22		"
23		"
24		"
25	No longer exists as separate area.	"
26		" "
27		" "

GEOGRAPHIC NAMES

Survey No. 1-8149

"Hedge Straits" and

No. 1

Name on Survey

	A. On Chart No.	B. On previous survey No.	C. On U. S. quadrangle Maps	D. From local information	E. On local Maps	F. P. O. Guide or Map	G. Rand McNally Atlas	H. U. S. Light List	K.
✓ Chesapeake Bay									1
✓ Harbor Sound ✓									2
✓ Holland Island ✓									3
✓ Holland Straits									4
✓ Spring Island ✓									5
✓ Holland Island Bay ✓									6
✓ South Marsh Island ✓									7
✓ Johnson Point ✓									8
✓ Johnson Cove ✓									9
✓ Rogers Creek ✓									10
✓ Little Runers Creek ✓									11
✓ Runers Cove ✓									12
✓ Runers Point ✓									13
✓ Long Point ✓									14
✓ Rhoads Island Gut ✓									15
✓ Sound Gut ✓									16
✓ Old Ground Marsh									17
✓ Old Ground Gut ✓									18
✓ Old Ground ✓									19
✓ Bay Cove ✓									20
✓ Bay Island ✓									21
✓ Bold Point ✓									22
✓ Bold Point Cove ✓									23
✓ Bold Point Gut ✓									24
✓ Bay Street ✓									25
✓ Holland Island Lighthouse ✓									26
✓ Solomons Lighthouse ✓									27

Remarks:

Decisions

1		80760	U.S.G.D.
2		"	
3		"	
4		"	
5		"	
6		"	
7		"	
8		"	
9		"	
10		"	
11		"	
12		579760	
13		80760	
14		"	
15		"	
16		"	
17		"	
18		"	
19		"	
20		"	
21		"	
22		"	
23		"	
24		80759	
25		80760	
26		80759	
27		80760	

GEOGRAPHIC NAMES

Survey No. T-919

No. 2

Name on Survey

	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	
A,	B,	C,	D,	E,	F,	G,	H,	K,	
✓ <u>Klages Straits</u> ✓									1
✓ <u>Goose Creek</u> ✓									2
✓ <u>Western Islands</u> ✓									3
✓ <u>Shepherd Harbor</u> ✓									4
✓ <u>Shepherd Point</u> ✓									5
✓ <u>Muscle Hole</u> ✓									6
✓ <u>Muscle Hole Point</u> ✓									7
✓ <u>Thomas Point</u> ✓									8
✓ <u>Thomas Island</u> ✓									9
✓ <u>Grant Hole</u> ✓									10
✓ <u>Grant Hole Point</u> ✓									11
✓ <u>Smith Island</u> ✓									12
✓ <u>Long Point</u> ✓									13
✓ <u>Long Point Cove</u> ✓									14
✓ <u>Hoch Ridge</u> ✓									15
✓ <u>Channel Point</u> ✓									16
✓ <u>Channel Point Gut</u> ✓									17
✓ <u>Swan Island</u> ✓									18
✓ <u>Boat Island</u> ✓									19
✓ <u>North End Bottom</u> ✓									20
✓ <u>Lighting Boat Cove</u> ✓									21
✓ <u>Bayner Cove</u> ✓									22
✓ <u>Troy Islands</u> ✓									23
✓ <u>Joss Ridge Creek</u> ✓									24
✓ <u>Joss Ridge</u> ✓									25
✓ <u>James Landing Creek</u> ✓									26
✓ <u>Fishing Creek</u> ✓									27

T-8149

No. 3

Remarks.

Decisions

1		380760
2		"
3		"
4		"
5		"
6		"
7		"
8	Recent USGB decision	
9		
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GEOGRAPHIC NAMES

Survey No. T-3149

No. 3

Name on Survey

	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	
A,	B,	C,	D	E	F	G	H	K	
✓ <u>Jenny Island</u> ✓									1
✓ <u>Gunlow Point</u> ✓									2
✓ <u>Abrahams Point</u> ✓									3
✓ <u>Back Cove</u> ✓									4
✓ <u>Fishing Point</u> ✓									5
✓ <u>Bards Point</u> ✓									6
✓ <u>Bridge Creek</u> ✓									7
<u>Big Thorofare</u> ✓			Names underlined in red approved by L. Heck on 11/4/42						8
									9
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RECORDS

Between January, 1942 and July, 1944, this Bureau completed 323 quadrangles. These maps have been published, or are in the process of being published on scales of 1:31,680 or 1:25,000. This series of quadrangles includes a land area of approximately 15,000 square miles. Incident to this work, a considerable volume of survey records and data has accumulated which will be filed for future reference. This material is filed as follows:

Registered and Filed in the Vault

Cloth-mounted copy of the published quadrangle.
published quadrangle at 1:20,000 scale.
Black and white cloth-mounted copy of the/~~map~~
~~manuscript~~. This copy is filed to preserve
original survey detail shown on the manuscript
at 1:20,000 scale which may not have been shown
on the published sheet. For ~~political boundaries~~,
woodland, ~~marsh~~, and ~~swamp limits~~, refer to the
published quadrangle for the finally adopted
positions.

Descriptive Report.

Filed in the Photogrammetric Section - Surveys Branch

Field inspection photographs.

Contoured photographs (on which planetable contouring work was performed.)

Field edit sheet.

Descriptions of recoverable topographic stations (Form 524), filed in Reviewing Unit.

Supplementary traverse and level records.

Field notes, computations, lists of positions, and tabulations of results of horizontal and vertical accuracy tests.

Reproduction proof.

Correction sheet (copy of quadrangle showing in red changes to be made when next printed.)

Check lists of work performed on each sheet in the Washington Office during review, drafting, edit, and reproduction.

Copy of Original celluloid manuscript.

Copies of specifications and all instructions
to field parties and field offices.

Filed in Reproduction Branch

Glass negatives of the color separation drawings.

Filed in the Library

~~Special report on field work by Commander K. T.
Adams, 1944.~~

Special report on office work by B. G. Jones, 1944.

Season's report on field work by Commander F. L.
Gallen, 1944.

Season's report on field work by Commander R. L.
Schoppe, 1944. -----

Delivered to the Army Map Service in accordance
with the contract

Film negatives and film positives of the color
separation drawings.

All color separation drawings.

~~Original celluloid manuscript.~~

A correction sheet consisting of a copy of the
first edition of the quadrangle with notes in red
indicating changes desirable at the next printing.

General Procedure in the Production of Topographic Quadrangles for the War Department

This quadrangle, together with similar adjoining maps produced under Project C.S.278-G, was prepared by the Coast and Geodetic Survey for the War Department under "General Specifications for War Department Mapping Program" issued about December 1941, in which is incorporated the "Standard of Accuracy for a National Map Production Program" issued by the Bureau of the Budget under date of June 10, 1941.

The general procedure in the production of this and the adjoining quadrangles was:

FIELD SURVEYS

Aerial photography with the Coast and Geodetic Survey nine-lens camera, with airplane and flight crew furnished by the U. S. Coast Guard. The photographs were taken to the scale of 1:20,000.

Ground inspection of the photographs for identification of control points, and classification and clarification of planimetric details on the photographs.

Contouring by planetable directly on the photographs. Supplementary vertical control was established by means of an extensive subordinate level net, furnishing unmarked elevations at road intersections, drive-ways, and numerous other points identifiable on the photographs.

COMPILATION OF MANUSCRIPT

Compilation on the map manuscripts by radial plot methods (celluloid hand templets) of all planimetry and contours. These manuscripts were drawn on the scale of 1:20,000 on celluloid sheets on which polyconic projections had been ruled with the Projection Ruling Machine in the Washington Office. Compilation was accomplished in the ~~Baltimore~~ Tampa Photogrammetric Office.

FIELD EDIT

Comparison of a copy of the manuscript with the ground. This included inspection for completeness and accuracy as well as the location by planetable methods of additional details, checking of nautical and aeronautical aids to navigation, etc.

Accuracy Tests - Application of systematic horizontal and vertical accuracy tests to check the maps for conformity with the specifications. These tests consisted of comparison of the map position and elevation of selected random points with the true position and elevation as independently determined by standard survey methods.

PROCESSING IN THE WASHINGTON OFFICE

Review - Examination of the manuscript for accuracy and completeness of compilation and compliance with specifications, correcting where necessary; addition of military and state grids and other special features; and verification of the general adequacy of the manuscript as a basis for the production of a finished map.

Drafting and Reproduction - Preparation of smooth color separation drawings on 1:20,000 scale on metal-mounted "blue-line" copies of the manuscript. From these drawings, negatives and printing plates were prepared for reproduction of the finished map on the scale of 1:31,680 or 1:25,000.

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8149

KEDGES STRAITS QUADRANGLE

This quadrangle manuscript has been examined for completeness, accuracy, and conformity with the specifications. It is adequate for smooth drafting, reproduction and publication. Revisions found to be necessary in this office are discussed on the next page.

Horizontal and Vertical Accuracy Refer to the Descriptive Report for T-8108 for the results of the closest horizontal accuracy test.

As there is no point within the area of this quadrangle over 4 feet in elevation, no vertical accuracy test was performed.

Previous Surveys

This manuscript has been compared with the following previous topographic surveys of this Bureau and other agencies. This map is satisfactory to supersede the previous surveys over the common area.

T-269	1849	1:20,000
T-271	1849	1:20,000
T-2556	1901	1:20,000
T-2558	1901	1:20,000
"Bloodworth Island"	1903	1:62,500 U.S.G.S.

Comparison with Nautical Charts No. 1224

The manuscript has not been applied to the charts at the date of this review. The following comments are pertinent to the compilation and correction of nautical charts:

This quadrangle is comprised entirely of almost flat, deeply dented islands with numerous ponds. Due to the nature of the terrain, therefore, many changes in shoreline were apparent. In some places, a number of small, marsh islands had disappeared entirely.

The following revisions of the map manuscript were found to be necessary and were accomplished as a part of this review:

Only changes of a minor nature were necessary during the review of this map manuscript.

Reviewed 12/14/42

By Douglas H. Benson

under direction of D. H. Benson ²⁴⁶

Inspected by B. G. Jones *B. G. Jones*

Examined and approved:

Robert W. Kna

Chief, Surveys Branch
Nautical Chart

K. T. Adams
Chief, Topography Section

J. S. Gordon

Chief, Div. of Charts

Raymond C. Eymann

Chief, Div. of Coastal
Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T. 8149

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.