5699

Form 504
Rev. June 1941

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Air Photographic
~~*xBlanxTablex*~~
~~*xHydrxgrapnix*~~

Survey No. T-5699
(Field) T5699

5699

LOCALITY

State Maryland

General locality Chester River

Locality Southeast Creek

Photographs taken May 1 & 2, 1937
July 8, 1937

194 1

CHIEF OF PARTY

L. W. Swanson

U. S. GOVERNMENT PRINTING OFFICE 315551

T5699

Applied to Reconstruction of Chart 548 Aug. 12, 1941 - J. T. Walker

Form 537a
Ed. Nov. 1929

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. T5699

TOPOGRAPHIC TITLE SHEET

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

Field No. T-5699

REGISTER NO. T5699

State Maryland

General locality Chester River

Locality [redacted] Southeast Creek

Scale 1:10,000x0.985 Date of ~~Survey~~ Photos. May 1, 2; July 8, 1937

Vessel Air Photographic Party No. 2.

Chief of party L. W. Swanson

Surveyed by Field Inspection--Wm. C. Russell, A.L. Wardwell, N.L. Kaslow. Radial Plot-- R. A. Gilmore.

Inked by W. E. Schmidt, F. R. Pollock.

Heights in feet above ---- to ground to tops of trees

Contour, Approximate contour, Form line interval ..... feet

Instructions dated 5/13/38 & 8/28/39, 19..

Remarks:

GPO

DATA RECORD T-5699

T5699

PHOTOGRAPHS

Number	Date	Time-A. M.	Scale	Alt.	Stage of Tide * (Height above M.L.W.)
1362, 63, 64	5/1/37	9:14-9:45	1:10,000	~~Unknown~~ 6,875 ft. (Approx.)	About 1.8 ft.
1557, 58, 59	5/2/37	9:07-9:22	"	"	About 1.6 ft.
1572, 73, 74	5/2/37	9:27-9:32	"	"	About 1.6 ft.
1675,76,77,78	7/8/37	10:44-11:08	"	"	About 1.8 ft.
1693, 94, 95	7/8/37	11:14-11:24	"	"	About 1.7 ft.

* Tides from predicted tables for Chestertown, Md. Mean range 1.9 ft., Spring range 2.2 ft. (Page 227)
Camera: U.S. Coast & Geodetic Survey Nine Lens Camera (Focal length 8¼ inches)

SUPPLEMENTAL SURVEYS

None.

GENERAL INFORMATION

Chief of Party..... L. W. Swanson
Projection by.....Washington Office, Ruling Machine, 11/7/39
Projection checked by.....Washington Office 11/7/39.
Hydrographic Radial Points pricked by Wm. C. Russell & A. L. Wardwell during the Fall of 1939, and Ned L. Kaslow, June, 1940.
Additional hydrographic radial points pricked by W. E. Schmidt..... Dec.1939
Main Radial Points pricked by R. A. Gilmore..... Nov.1939
Additional radial points pricked by F. R. Pollock
Control plotted by D. A. Jones.....11/13/39
Control checked by L. W. Swanson.....11/13/39
Radial plot by R. A. Gilmore.....11/21/39
Shoreline inked by W. E. Schmidt.....Dec.1939
Interior detail inked by F.R. Pollock..... 10/28/40-3/8/41

STATISTICS

Area (land)..... 26.0 Sq. Statute Miles
Shoreline(More than 200m. from opposite shore)..... 31.9 Statute Miles....
Shoreline(Less than 200m. from opposite shore)..... 17.5 Statute Miles....
Roads, Trails, and Streams..... 98.5 Statute Miles....

REFERENCE STATION

TASTE 1909 (M.S.F.S.)
Latitude 39° 09' 01.81" (55.8 m)
Longitude 76° 05' 06.73" (161.7m)
x coordinate: 1,059,432.2 FT.
y coordinate: 480,989.1 FT.

Datum,-N.A. 1927
Unadjusted

Date of Survey:
Field Inspection in 1939 to June 1940 - See page 2
Details on T5699 are of the date of the photographs. The field inspection showed no details subsequent to the photography.

T5699 2

DESCRIPTIVE REPORT
to accompany
AIR PHOTOGRAPHIC SURVEY SHEET NO. T - 5699
STATE OF MARYLAND

CHESTER RIVER - SHIPPEN CREEK TO SKILLET POINT

DATE OF THIS REPORT.....March 16, 1941

INSTRUCTIONS:

This rough draft map drawing is a part of project HT 215, dated May 13, 1938, and supplemental instructions contained in the Director's letter dated August 28, 1939.

FIELD INSPECTION:

Shoreline by Lieut.(j.g.) Wm. C. Russell and Ensign A.L. Wardwell during the Fall of 1939. Interior by Lieut.(j.g.) Wm. C.Russell. Additional hydrographic signals by Photogrammetric Aid (Field) Ned L. Kaslow during June, 1940.

Geographic Names by Lieut.(j.g.) Ross A. Gilmore during the Fall of 1939.

CONTROL:

The control consists of M.S.F.S.(1909) stations shown on this sheet by the triangulation symbol. The following stations are on the sheet:

Emory	Westcott's Windmill	Burns
Pan	Lovely	Ashland
Robertson's Windmill	Ide	Taste
Journey	Noth	Nils

RADIAL PLOT:

A combined radial plot involving sheets Nos. 5693, 5694, 5696, 5697, 5699 and 5700 was run Nov. 21, 1939 by the usual template method.

A 20,000 plot was run first in order to establish additional control to be used in conjunction with the triangulation stations in running the 10,000 plot. About 150 radial points thus determined, common to the 10,000 and 20,000 photographs, were plotted on the 10,000 sheets and held to (in most cases) in running the 10,000 plot. Where necessary to improve the distribution of points, additional radial points were pricked on the 10,000 photographs.

It is believed that the use of these auxiliary points in conjunction with the triangulation stations resulted in a very good plot.

Greater strength could have been added to the plot if the 20,000 photographs had been taken with more overlap both as to adjacent photographs and flight lines. (See letter dated Dec,5, 1939.)

A junction of points was made with sheets Nos. 5692, 5695, 5698 and 5701 by running an auxiliary plot to eliminate any differences that occurred between the plot involving the above sheets and the present six sheets.

See Descriptive Report and Review T5696 for a detailed discussion of this plot.

DETAILING:

The area shown on this sheet was well covered by the photographs all of which were used for radials and detailing. Where possible, discrepencies due to twisted chambers or slight amounts of tilt could be detected and corrected thru the use of adjacent photographs. In most of these cases notes were made on the photographs.

On photographs No. 1363 and No. 1572 the tilt was computed and new centers were established which improved the radials. Photograph No. 1573, which was a duplicate photograph, was used mainly for detailing although radials were used where it was possible to orient the photograph by means of well established radial points.

Photographs Nos. 1557, 1558, and 1559 were found best for scale. The projector was used for detailing where excessive scale differences occurred.

Along East Fork in the vicinity of Latitude 39° 10', and in Oyster Cove (Lat. 39° 07', Long. 76° 06') grass in water has been added to the previous shoreline detail on this sheet.

Roads were detailed according to the field inspectors' notes shown on the field inspection prints. In the case of three field trails, sh Latitude 39° 09', Longitude 76° 07', the photographs (flights 1300, 1500, 1600) are not in agreement. Photograph No. 1364, taken Mayl, 1937, shows one trail only; No. 1558 taken May 2, 1937 shows two trails, and No. 1677, taken July 8, 1937, shows three trails.

All buildings, with the exception of small sheds, are shown. in so far as They are visible on the photographs

HYDROGRAPHIC SIGNALS:

A number of natural objects have been located of this sheet for use as hydrographic signals. These objects are shown by black circles, 1.5 mm. in diameter.

The positions of the following hydrographic signals have been changed slightly since the shore line inking was completed:

Description	Latitude	Longitude
End of dock.	39° 09'	76° 09'
50 ft. Windmill.	39° 08'	76° 08'
Windmill with tank 40 ft. high	39° 07'	76° 08'
Windmill with red tank 50 ft.	39° 08'	76° 03'

corrections to be applied to hydro. Smooth sheets

RECOVERABLE TOPOGRAPHIC STATIONS: In addition to the recoverable topographic stations to be shown on the printed map, the celluloid drawing shows a number of semi permanent objects located thereon for hydrographic control.
~~No recoverable topographic stations are shown as none occur in the area covered by this sheet.~~

GEOGRAPHIC NAMES:

Geographic names shown on this sheet are listed on form M234 in the appendix of this report. Field inspection of names by Lieut.(j.g.) Ross A. Gilmore. Listed on form M234 for this report by F. R. Pollock.

COMPARISON WITH PREVIOUS SURVEYS:

T-3024 (1909-1910) : A favorable comparison was made with this survey. There are only slight changes in the shoreline and they usually occur at marshy areas.

T-201 (1846) : Same as T-3024. See review.

Chart No. 548, revised to Nov. 7, 1939: The scale, 1/40,000 , of this chart does not permit a good comparison.

Chart No. 1226, revised to March 23, 1940: The scale, 1/80,000 , of this chart does not permit a good comparison.

JUNCTIONS:

On the East, T-5698: Junction with this sheet in agreement.

On the North, T-5695 and T-5696: Junctions with these sheets in agreement.

On the West, T-5700: Junction with this sheet in agreement.

On the South, T-5701 and T-5702: Sheet T-5702 has not been started but junction was made with T-5701 and is in agreement.

LANDMARKS FOR CHARTS:

This Party is not making recommendations of landmarks for charts. Since the hydrography for this area has been completed, these recommendations should be submitted by the Hydrographic Party.

RECOMMENDATION FOR FUTURE SURVEYS:

This sheet is believed to be complete in all detail of importance forcharting and no additional surveys are required.

REMARKS:

The probable error of radial points and of well defined objects along the shoreline is not greater than five meters. The error of inland radial points and detail of importance is not greater than ten meters. *

Respectfully submitted,

F. R. Pollock

F. R. Pollock,
Photogrammetric Aid (Field)

April 1, 1941

Approved:

L. W. Swanson

L. W. Swanson,
Chief of Party.

* There is no apparent reason to consider the strength of the plot as greater along shore than in the interior. There may be more loss of accuracy in detailing the interior due to the differences in elevation. Well defined objects are thought to be located to within 0.5 to 0.8 mm of correct geographic position.

T5699

	Remarks	Decisions
1		391760
2	(a) "Rolphs Wharf"-H. H. Evans, Chestertown,,Md. (b) Rolphs Wharf. (c) Rolphs Landing.	391760
3		391760
4	(a) Locally known as "The Rocks". F.T. Robinson, H.H. Evans, T. Haddaway; Chestertown, Md.	391760
5	(a) &(b) Spelled "South East Creek". (Also on Hwy. sign)	391760
6	(a) "Southeast Landing"- F.T. Robinson, H.H. Evans; Chestertown, Md. (b) Spelled "South East Landing".	391760
7		391760
8	(a) On U.S.G.S.-Barclay, Md. Quad.	391760
9		391760
10	(a) & (c) Spelled "Wilmers". (b) Wilmer's Wharf.	391760
11	(a) Wilmers Neck.	391760
12		391760
13		
14		391760
15		391760
16		391760
17		
18		
19	(a) Limehouse Cove.	391760
20	(a) Indiantown Wharf. (b) Indian Town Wharf.	391761
21	(a) & (b) Ashland Wharf.	391760
22	(a) Shipping Creek.	391761
23		391761
24	(a) Quaker Neck Wharf.	391760
25	(a) Jarretts Creek. (b) Jarrett's Creek.	391760
26		391760
27	(a) Broad Creek.	391760

M 234

GEOGRAPHIC NAMES

Survey No. T-5699

T5699

Name on Survey	On Chart No. 548	A.	On Chart No. 1226 B.	On previous survey No. T-3024	On U.S. quadrangle C. USGS. Maps	From local information D. Chestertown	E. Robinson	On local Maps F. Kent Co. Map 1903 & 1925	Queen Anne's Co. Hwy. Map	Md. State Roads Commission 1937 G.	Atlas of Kent & Queen Anne Coun. 1877	H. Lake, Griffith & Stevenson	Previous survey No. T-201 K.	6
Hambleton Creek	✓x	x		x	x	x								1
Rolphs	✓	x	x b	x	x a	x	x			x c				2
Newmans Wharf	✓		X											3
Deep Point	✓x	x	x	x	x a	x								4
Southeast Creek	✓x	x	x	x	x	x	x			x a		x b		5
Southeast Landing	✓				x a					x b				6
Island Creek	✓x	x	x	x	x	x	x			x		x		7
Granny Finley Branch	✓			x a			x							8
Jordan Landing	✓x				x									9
Wilmer Point	✓		x b		x	x a		x c						10
Wilmer Neck	✓x	x		x	x	x				x a				11
Northwest Point	✓				x							x		12
Riverview	-									x				13
Bookers Hollow	✓				x									14
Bookers Wharf	✓x	x	x		x	x				x				15
Shell Point	✓		x		x									16
Mulberry Bight	✓											x		17
Boathouse Cove	-											x		18
Mummys Cove	✓				x							x a		19
Indian Town ~~Same~~ Sus	✓		x a		x	x b								20
Ashland Landing ~~place~~	✓	x	x a			x b								21
Shippen Creek	✓x	x	x	x	x	x				x		x a		22
Oyster Cove	✓x	x	x	x	x	x								23
Quaker Neck Landing	✓	x	x a	x	x	x				x				24
Jarrett Creek	✓x	x	x b	x	x	x				x		x a		25
Melton Point	✓x	x	x	x	x	x				x		x		26
Browns Creek	✓x	x	x	x	x	x				x a		x		27

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T5699

	Remarks	Decisions
1	(a) Millers Creek.	391760
2		391760
3		391760
4		391760
5	(a) H.S. Brown, property owner and F.T. Robinson, ~~Chestertown, Md.~~	391760
6		391760: one word
7		391760
8	(a) Frying Pan Reach.	391760
9		
10	(a) Back Creek. Family name is usually Comegys.	391761
11	(a), (c) & (d) Comegys Bight. (b) Commegys Bight. (e) Commegy's Bight.	391761
12		391761
13		391761
14		391761 U.S.G.B
15	(a) Wanns Cove. (b) & (c) Wam's Cove.	391761
16		391761
17		
18		
19		
20	(a) & (b) Philips Creek.	391761
21		
22		
23		
24		391761
25		391761
26		
27		

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GEOGRAPHIC NAMES

Survey No. T-5699

T5699

Name on Survey	On Chart No. 548	A. On Chart No. 1226	B. On previous survey No. T-3024	C. On U.S.G.S. Maps Chester-Town	D. From local information Ft. Robinson Chestertown	E. On local Maps Kent Co. Map 1903 & 192	F. Kent Co. Hwy Map by Md State Roads Commission	G. Atlas of Kent & Queen Anne 1877, Lake Griffing & Stevenson	H. Previous Survey No. T-201	K. Previous Survey No. T-2291	
Broad Creek	x	x	x	x	x	x		x a	x		1
Millers Island					x				x		2
Dam Creek								x			3
Riverside Wharf	x	x	x		x	x					4
Hollow Marsh Point					x a						5
Frying Pan Point	x	x	x		x						6
Skillet Point	x	x	x		x						7
Devils Reach	x	x	x		x				x a		8
Fort Creek								x			9
Comegys Creek	x				x			x a			10
Comegys Bight	x d	x c		x	x	x		x a	x e	x b	11
Quaker Neck	x	x		x	x	x		x		x	12
Hawbush Point	x			x	x	x			x	x	13
Kings Creek	x	x		x	x	x		x	x	x	14
Wann Cove	x	x		x	x	x		x b	x c	x a	15
East Fork	x	x		x	x	x	x	x			16
Deep Point									x		17
Rock Point									x		18
Orchard Point									x		19
Philip Creek	x	x		x	x	x		x b	x a		20
Weir Cove								x			21
Longmarsh Point									x		22
Piney Point									x		23
Lovely Cove	x	x		x	x	x					24
Broad Neck	x	x		x	x	x					25
Island Point									x		26
Becks Landing								x			27

M 234

T5699

	Remarks	Decisions
1		
2		
3		
4	(a)"Bakerville."	391761
5		
6		
7		390762
8		
9		
10		
11		
12		
13		
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15		
16		
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19		
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21		
22		
23		
24		
25		
26		
27		

M 234

GEOGRAPHIC NAMES

Survey No. T-5699

T5699

Name on Survey	A. On Chart No.	B. On previous survey No.	C. On U. S. G. S. quadrangle Maps Chesterton	D From local information	E On local Maps	F Kent Co. Hwy. Map by Md. State Roads Commission	G Atlas of Kent & Queen Anne 1877, Lake Griffin Stevens	H Previous Survey No. T-201	K	
Flat Point	–							x		1
Deep Point	–							x		2
Thousand Acre Point	–							x		3
Pomona ✓	✓		x			x	x a			4
Maryland State Highway No. 446	✓					x				5
Maryland State Highway No. 289	✓					x				6
Chester River	✓									7
										8
										9
										10
	N.B.: In general, names from early									11
	survey T-201 are not approved unless									12
	there is some more recent confirm-									13
	ing usage									14
					L.H.					15
										16
										17
										18
										19
										20
										21
										22
										23
										24
										25
										26
										27

Names underlined in red approved by L. Heck on 9/16/41

M 234

T5699

REVIEW OF AIR PHOTO COMPILATION NO. T-5699

Chief of Party: L. W. Swanson

Compiled by: W. E. Schmidt & F. R. Pollock

Project: HT 215

Instructions dated: 5/13/38 & 8/28/39.

1. The charts of this area have been examined and topographic information necessary to bring the charts up to date is shown on this compilation. (Par. 16a, b, ~~c~~, d, e, g and ~~h~~; ~~25~~; and 64)

2. Change in position, or non-existence of wharfs, lights, and other topographic detail of particular importance to navigation which affect the chart, is discussed in the descriptive report. (Par. ~~26~~; and ~~66~~ ~~g~~, m)

3. Ground surveys by plane table, sextant, or theodolite have been used to supplement the photographic plot where necessary to obtain complete information, and all such surveys are discussed in the descriptive report. (Par. 65; and 66 d,e)

No ground surveys.

4. Blue-prints and maps from other sources which were transmitted by the field party contain sufficient control for their application to the charts. (Par. 28)

5. Differences between this compilation and contemporary plane table and hydrographic surveys have been examined and rectified in the field before forwarding the compilations to the office and are discussed in the descriptive report.

No contemporary surveys

6. The control and adjustment of the photo plot are discussed in the descriptive report. Unusual or large adjustments are discussed in detail and limits of the area affected are stated. (Par. 12b; ~~44~~; and 66 c, ~~h, i~~)

7. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, and 44)

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Refer also to the pamphlet "Notes on the Compilation of Planimetric Line Maps from Five Lens Air Photographs."

8. The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41)

9. Recoverable objects have been located and described on Form 524 in accordance with circular 30, 1933, circular letter of March 3, 1933, and circular 31, 1934. (Par. 29, 30, and 57)

Form 524 is not submitted with this map drawing.

10. A list of landmarks was furnished on Form 567 and instructions in the Director's letter of July 16, 1934, Landmarks for Charts, complied with. (Par. 16d, e; and 60)

To be furnished by hydrographic party

11. All bridges shown on the compilation are accompanied by a note stating whether fixed or draw, clearance, and width of draw if a draw bridge. Additional information of importance to navigation is given in the descriptive report. (Par. 16c)

None on this sheet.

12. Geographic names are shown on the overlay tracing. The accepted local usage of new names has been determined and they are listed in the report, together with a general statement as to source of information and a specific statement when advisable. Complete discussion of place names differing from the charts and from the U. S. G. S. Quadrangles is given in the descriptive report, together with reasons for recommendations made. (Par. 64, and ~~66k~~)

13. The geographic datum of the compilation is 1927 N.A and the reference station is correctly noted.

14. Junctions with adjoining compilations have been examined and are in agreement. (Par. 66j)

15. The drafting is satisfactory and particular attention has been given the following:

1. Standard symbols authorized by the Board of Surveys and Maps have been used throughout except as noted in the report.

2. The degrees and minutes of Latitude and Longitude are correctly marked.

T5699

3. All station points are exactly marked by fine black dots.

4. Closely spaced lines are drawn sharp and clear for printing.

5. Topographic symbols for similar features are of uniform weight.

6. All drawing has been retouched where partially rubbed off.

7. Buildings are drawn with clear straight lines and square corners where such is the case on the ground.

(Par. 34, 35, 36, ~~37~~, ~~38~~, ~~39~~, 40, 41, 42, 43, 44, 45, 46, ~~47~~)

16. No additional surveying is recommended at this time.

17. Remarks:

It should be noted that ~~their~~ there are three "Deep [redacted] Point"'s on this Map Drawing.

18. Examined and approved;

April 1, 1941

L A Swanson
Chief of Party

19. Remarks after review in office:

Reviewed in office by:

Examained and approved:

Chief, Section of Field Records

Chief, Section of Field Work

Chief, Division of Charts

Chief, Division of Hydrography and Topography.

DIVISION OF CHARTS

SURVEYS SECTION

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-5699

June 28, 1941

There are no contemporary graphic control surveys in this area.

Hydrographic Surveys

The 1940 hydrographic survey of Chester River has not yet been received in the office. When the hydrographic survey is reviewed it should be compared with T-5699 for additions and changes in marsh shoreline and for minor changes in position of hydrographic signals as noted on page 3 of the descriptive report for T-5699.

Previous Topographic Surveys

T-3024	1909-10	Scale 1:20,000

There are differences in the shoreline of Chester River and tributary creeks up to 30 meters, mostly along the edge of marshy places, or along creeks which were not too well controlled on the earlier survey. The only important changes for charting purposes have been the abandonment of several old piers and the addition of several new piers; where piers have been abandoned there remain ruins and piles which should be shown on the charts.

T-5699 supersedes T-3024 for the area common to both surveys.

T-201 (1846) - not compared in office.

Comparison with Charts 1226 and 548

The same differences were found between this survey and charts 1226 and 548 as stated above in connection with topographic survey T-3024.

Charts 548 and 1226 have not been corrected in accordance with T-5699 on June 28, 1941.

Radial Plot

The combined radial plot for T-5699 and the adjoining surveys is discussed briefly on pages 2 and 3 of the

descriptive report. This plot is discussed in greater detail in the descriptive report and review of T-5696 and in a letter from the chief of party dated December 5, 1939, which has been made a part of the report for T-5696.

The plot is accepted as within the limits of accuracy stated on page 4 of this descriptive report without checking in this office.

Field Inspection and Detailing

The field inspection and the detailing of T-5699 are complete except as noted in the report.

The photographs were carefully studied under the stereoscope and a few buildings were added. Several approximate locations of streams through wooded sections were changed 30 or 40 meters when it was apparent that they were incorrectly drawn.

This party has not been adequately equipped with viewing stereoscopes for convenient examination of nine-lens photographs. Efforts are being made at this time to improve this equipment.

Recovery Notes Received July 1941; Stations reported lost have been removed from sheet. 4-22-42.

Control

Nineteen triangulation stations of the Maryland shell fish survey had not been plotted on the sheet although not reported lost. These were plotted in the office. These stations are now being adjusted to N. A. 1927 Datum by the Division of Geodesy. The positions plotted at this time will be checked against the adjusted positions prior to reproduction if the adjusted positions are then available.

Adjusted positions not available at time of reproduction 4-22-42 REE

Reviewed in office by D. H. Benson, June 28, 1941

Inspected by B. G. Jones 6/30/41 and 12/22/42.

Examined and approved:

Robert W. King
Chief, Surveys Section

F. S. Borden
Chief, Division of Charts

K. T. Adams
Chief, Section of Topography

G. Rude
Chief, Division of Coastal Surveys