Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

State:

11—5613

DESCRIPTIVE REPORT.

Inf. *Sheet No.* 3678 3679

LOCALITY:

191

CHIEF OF PARTY:

3678 3679

DEPARTMENT OF COMMERCE.

COAST AND GEODETIC SURVEY.

G

E. LESTER JONES, SUPERINTENDENT.

R H O D E I S L A N D .

Sakonnet River, Narragansett Bay.

A Descriptive Report to accompany

Topographic Sheets, "A" and "B".

Scale 1 to 10,000

1 9 1 7 .

Wire Drag Party No. 2.

Observer R. K. Bennett,

Aid, C.& G. Survey.

R. P. Strough,

Jr. H.& G. Engineer,

Chief of Party.

Descriptive Report to Accompany

Topographic Sheets "A" and "B", Sakonnet River,

RHODE ISLAND.

Limits:-

The topography on the lower sheet (A) extends from triangulation station Chimney on shack on the S. W. side of Sachuest Neck, to a point nearly opposite triangulation station Dutch Windmill on the west side of Sakonnet River. On the east side of the river the topography begins at triangulation station Doc, near Warrens Point, and extends to Fogland Point. It also includes the islands and rocks around Sakonnet and Sachuest Points, East Island and West Island. The work around East Island falls south of the edge of the sheet and is therefore plotted on a sub-sketch.

The northern sheet(B) ties into the work on the southern sheet abreast of Dutch Windmill on the west bank of the river and extends nearly to Common Fence Point, at the northern extremity of Rhode Island, where a connection was made with the main scheme triangulation station Anthonys Rock. On the eastern side of the river the work extends from Fogland Point to a point about 1/2 mile above the Sinclair Refining Companys wharf.

The lower sheet includes the village of Sakonnet and nearly all of Nonquit Pond. On the northern sheet is the remainder of Nonquit Pond, Nannaquacket Pond, a large marsh near Sapowet Point and the village of Tiverton. The roads and wharves at Tiverton and Sakonnet were located, as was the railroad and the electric road, and the more important roads along the shore line and within 1/2 mile of it.

METHODS:-

Most of the work was run as a plane table traverse between triangulation stations, except on sheet "A", where the upper two miles on the east bank of the river was located by three point positions. The traverses closed with small errors which have been taken up and adjusted on the original sheets.

CONTROL:-

The work was controled by triangulation, and as many intersection stations were determined no trouble was experienced with signals. The triangulation furnished most of the signals for the hydrographic party and only a few hydrographic signals were located by the plane-table. In Nannaquacket Pond the hydrography was controlled by plane-table signals located by cuts.

SPECIAL FEATURES:-

The shoreline of the river has suffered comparatively little change. On the west bank between Woods Castle and Black Point (sheet A) there has been some erosion, and the shoreline has retreated about 20 meters, according to the residents of the vicinity. Sandy Point on sheet A has also changed somewhat. The Rhode Island Fish Commission have a triangulation station on McCurry's Point which causes some difficulty in keeping it in place due to the continual shifting of the point. In the Cove, near Tiverton, the island shown on the chart as Shermans Island is now connected to the shore by a bulkhead upon which a road has been constructed. Another island at the mouth of Old Orchard Cove is connected to the shore by a neck of land which is dry at low water. Chart revision shows that numerous wharves have been constructed around Tiverton village and Nannaquacket Pond entrance which are not shown on the chart.

The statistics for sheets "A" and "B" follow:

	(A)	(B)	Total
Shoreline in Statute Miles	27.0	25.4	52.4
Shoreline creeks, ponds etc.	10.1	13.1	23.2
Roads and Railroads	5.8	17.2	23.0

Respectfully Submitted,

R. P. Stroughr

Jr. H.& G. Engineer,

Chief of Party.

To the Superintendent,

Coast and Geodetic Survey.

Saunderstown, R. I.

Oct. 2nd. 1917.

PLANE TABLE POSITIONS
-Sheet B-

Object and Description	Latitude	D.M.	Longitude	D.P.	Remarks
Cup. Wh. Ho.	41 37	1361	71 13	541	
S. Gab. Wh. Ho.	41 37	999	71 13	96	
Ho. on Draw. Brick Chy.	41 37	177	71 12	429	
Pointed Tower Wh. Ho.	41 37	168	71 12	244	
Chy. Sq. Grey. Ho.	41 37	112	71 12	211	
Windmill	41 36	1556	71 14	684	
Windmill	41 36	1662	71 12	902	
Windmill, Grn. Tank.	41 36	1650	71 12	675	
Tree	41 36	1600 ~~1525~~	71 12	627	
Brn. Ho.	41 36	1522	71 12	698	
Lone	41 36	1372	71 12	449	
Chy,Wh. Ho.	41 36	1482	71 11	1043	
W. Gab. Grey Barn.	41 36	1452	71 11	1057	
Windmill, Grey Tank.	41 36 41 36	905	71 12	628	
Derrick	41 36	731	71 14	620	
Central Chy, Sq, Yel. Ho.	41 36	631	71 11	965 ~~942~~	
Chy. Yel. Ho.	41 36	457	71 12	44	
Monument	41 35	1842	71 12	629	
Monument	41 35	1191	71 12	845	

PLANE TABLE POSITIONS

Object and Description	Latitude	D. M.	Longitude	D.P.	Remarks
Red Silo	41 34	1202	71 12	619	
Tri. Sta. R.I. Fish Com.	41 34	1045	71 14	36	
S. Chy. Ho. in Grove	41 33	1556	71 14	420	
	Sheet	XII.			
Stack	41 32	1373	71 12	1100	
Derrick	41 32	215	71 12	581	
White Silo	41 31	1468	71 14	46	
Windmills	41 31	1400	71 13	1111	
Windmills	41 31	1382	71 13	1113	
Boundary Monument	41 30	1593	71 14	64	
Dutch Windmill	41 30	349	71 14	669	
Pole	41 27	32	71 11	1366	
~~S. Cable white house Stone Bridge.~~	~~41 37~~	~~986~~	~~71 13~~	~~96~~	

Form 567

DIVISION OF CHARTS, FILE NO. .....

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

Sakonnet R. I.

September 1st., 19 17

SUPERINTENDENT, U. S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted:

B. P. Strong

Chief of Party.

Description.	Position.					Method of determination.	Charts affected.
	Latitude.		Longitude.		Datum.		
	° ′	D. M. meters.	° ′	D. P. meters.			
Red Tank, Almy Farm	41 33	494.7	71-12	910.7		Triang.	113;353
Gray Tower, Vanderbilt's Estate.	41- 32	1809.9	71-14	722.6		"	" "
E. Chy., Norman's House	41- 31	1209.0	71-13	1024.5		"	" "
N. Chy., Scherer's House	41- 31	89.2	71-11	986.2		"	" "
N. Cupola Rope's Barn.	41- 30	370.0	71-11	1307.7		"	" "
N. Silo Sachuest Neck	41- 28	1553.2	71-14	931.2		"	" "
N. Chy. Dr. Gardner's House.	41- 27	1301.0	71-10	1227.5		"	" "
Cup. White Barn	41- 27	1579.0	71-10	621.4		"	" "
Windmill on Tank	41- 27	1294.1	71-11	969.3		"	" "
Stack, Fish Factory	41- 38	1044.9	71-13	140.5		"	" "
Spire, Tiverton Ch.	41- 37	1845.2	71-12	678.9		"	" "

A list of objects which are of sufficient prominence for use on the charts, together with a description of the same, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report. The selection, determination, and description of these points are of primary importance.

The description of each object should be short, but such as will identify it; for example, standpipe, water tower, church spire, tank, tall stack, red chimney, radio mast, etc. *Generally, flagstaffs and like objects are not sufficiently permanent to chart.*

11—5948

Form 567

DIVISION OF CHARTS, FILE NO. .....

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

Gakonnet, R. I.

September 1st, 1917.

SUPERINTENDENT, U. S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted:

Chief of Party.

Description.	Position. Latitude. ° ′	Latitude. D. M. meters.	Longitude. ° ′	Longitude. D. P. meters.	Datum.	Method of determination.	Charts affected.
Flag-pole, Cove Ent.	41-37	1299.9	71-13	221.3		Triang.	113;353
S. Cable, U. Ho. on Draw, Stone Bridge.	41-37	999.0	71-13	96.0		Pl. Tab.	" "
Yellow Tower, Church Estate.	41-37	72.8	71-12	926.3		Triang.	" "
Gray Tower, Chase Estate.	41-36	1260.0	71-12	763.3		Triang.	" "
Stack, Power House	41-36	785.1	71-14	706.7		"	" "

A list of objects which are of sufficient prominence for use on the charts, together with a description of the same, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report. The selection, determination, and description of these points are of primary importance.

The description of each object should be short, but such as will identify it; for example, standpipe, water tower, church spire, tank, tall stack, red chimney, radio mast, etc. Generally, flagstaffs and like objects are not sufficiently permanent to chart.

11—5948

Form 537a
11—5813

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. 3678

State . Rhode Island . . . . . .

General locality Sakonnet River, Narragansett Bay, ...

Locality . Sakonnet Point to Fogland Point, ...

Chief of party R. P. Strough. . . . . .

Surveyed by . R. K. Bennett. . . . . .

Date of survey May- August 1917. . . . . .

Scale 1 to 10,000 . . . . . .

Heights in feet above . . . . . .

Contour interval . . . . feet.

Inked by R. K. B. . . . Lettered by . R. K. B. . . . . .

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report ✓, Horizontal angle books, Field computations,

Data from other sources affecting sheet . . . . . .

Remarks:

Chart Revision Survey, Sakonnet River.

Form 537a
11—5813

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. 3679

State . Rhode Island. . . . . .

General locality . Sakonnet River, Narragansett Bay. . . . . .

Locality Fogland Point to Mt. Hope Bay. . . . . .

Chief of party . . R. P. Strough. . . . . .

Surveyed by . . . R. K. Bennett. . . . . .

Date of survey . . June to Sept. 1917. . . . . .

Scale . 1 to 10,000. . . . . .

Heights in feet above . . . . . .

Contour interval . . . . feet.

Inked by . R. K. B. . . . Lettered by . R. K. B. . . . . .

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report ✓, Horizontal angle books, Field computations,

Data from other sources affecting sheet . . . . . .

Remarks:

Chart Revision Survey, Sakonnet River.