

2250

Diag. Cht. No. 1210-1

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey *Hydrographic*
Field No. Office No. *2250*

LOCALITY

State *Mass.*
General locality *New Bedford*
Locality *Harbor & Approaches*
1896

~~194~~

CHIEF OF PARTY

St. G. Co. Harris U.S.N.

LIBRARY & ARCHIVES

DATE

2250

U. S. COAST AND GEODETIC SURVEY.

Gen. W. W. Duffield, Superintendent.

State: *Mass.*

DESCRIPTIVE REPORT.

Hydrographic Sheet No. 2250.

LOCALITY:

*New Bedford Harbor
and
Approaches.*

1896.

CHIEF OF PARTY:

Louis G. Harris, U. S. N.

APR. 27. 1896.

005218

2252

Form 65.—Field Letter.

rec'd 29
6.

Write me at:

Nareham, Mass.

Telegraph me at:

My Express Office is:

Hydrographic Inspector

U. S. Coast and Geodetic Survey,

Schooner "Eagle,"

Nareham, Mass.

April 25, 1896.

2-547

- General W. W. Stieffeld,
Superintendent U. S. C. & G. Survey,
Coast Survey Office,
Washington, D. C.

Sir:-
In conformity with Paragraph 209 General Instructions
to Hydrographic Parties I have the honor to transmit the
following supplementary descriptive report which completes
the records of the survey of New Bedford Harbor and
Approaches.

Very respectfully,
S. C. Wagar

Lieutenant U. S. Navy, Commanding.

Forwarded

W. M. C. Colby
Acting Hydrographic Inspector C. & G. Survey.
Lt Com'd'r, U. S. N.

APR 27 1896 05218

Schooner Eagle

U. S. Coast and Geodetic Survey.

[Form 11.—Statistics of Field Work.]

Statistics of Field Work executed by the hydrographic party of Lieut. G. C. Hawes, U.S.N.

Date and place of beginning field work New Bedford, Mass. Mar. 21, 1896.
Date and place of closing field work April 16, 1896.

RECONNAISSANCE:

Area of, in square statute miles
Lines of intervisibility determined as per sketch submitted
Number of points selected for scheme

BASE LINES:

Primary, length of
Secondary, length of
Beach measurements, length of
Number of days employed in measurements of base
Number of days employed in remeasurements

TRIANGULATION:

Area of, in square statute miles
Signal poles erected, number of
Observing tripods and scaffolds built, number of
Observing tripods and scaffolds built, heights of
Days occupied in opening and verifying lines of sight, number of
Stations occupied for horizontal measures, number of
Stations occupied for vertical measures, number of
Geographical positions determined, number of
Elevations determined trigonometrically, number of

GEODETTIC LEVELING:

Elevations determined by spirit-leveling of precision, number of
Lines of geodetic leveling, length of

LATITUDE, LONGITUDE, AND AZIMUTH WORK:

Latitude stations occupied, number of
Pairs of stars observed for latitude, number of
Average number of observations on a pair
Longitude stations, telegraphic, number of
Longitude stations, telegraphic, number of nights on which signals were exchanged
Longitude stations, chronometric, etc., number of
Azimuth stations, number of
Number of nights of observations for azimuth
Number of stars observed for azimuth

Table of Records,
(About to be submitted.)

Projections:-

1 (containing Statistics)

Books:-

Sounding-
4

Angle
1

Wharf
1

Pair journal.
6

Tide Books:

Phil. + Reading Coal Co. Wharf - 1

(Every tide book has a smooth copy.)

Recapitulation.

Proj. 1

Books ... 14

APR 27 1906

05217

"Rocks"

Sheet	Locality	Spot	Day	F.P.	Sea water of position chart	Sea water on chart at M.S.W.	Sea water actually found	Remarks.
No 1	360 metres N.E. of Palm	Cutter	i'	34	3.0ft	3.8ft	4.9ft	

"Marves"

Sheet No of Yacht	Owners	Boat	Day	Position of wharf.	Depth at end of wharf.	Depth alongside of wharf.
42	New Bedford Yacht Club.	2 nd Cutter	f	1-2		8.0, 9.0 + 9.5 feet East to West.
43	Fish Island	"	f	3-4	North to South	7.9, 6.9, 9.9, 6.4 + 8.4 feet
43	"	"	f	4-5	South to North West	6.4, 4.9 + 1.9 feet.
44	"	"	f	5-6	North West to West South West.	2.9, 9.4, 10.9, 8.9 + 9.9 feet.
44	"	"	f	6-7	West South West to North West.	13.9, 11.9 + 7.9 feet.
44	"	"	f	7-8		4.9, 3.9, 1.9 + 3.9 feet
44	"	"	f	8-9	South West to North East	7.9, 9.4, 5.9 + 3.9 feet.
45	"	"	f	9-10		East to West 5.8, 7.4, 11.8 + 18.8 feet.
45	"	"	f	10-11		West to East 18.8, 16.8 + 17.8 feet.
45	"	"	f	11-12		12.8, 7.8, 6.8 + 2.8 feet.
45	"	"	f	12-13		1.8, 4.8, 7.8, 9.8, 7.8 + 6.8 feet.

"Marves"

Sheet No of No. 1 Wharf	Owner	Boat	Day	Position	Depths at end of wharf.	Depths alongside of wharf
8	Charles C Cook	^{7th} 2 Butter	f	14-15	North to South	
8	Parker's Wharf	"	f	15-16		13.7, 20.7, 14.7, 21.7 + 15.7 ft. East to West 15.7, 8.7, 10.7, 8.2 + 3.6 feet.
9	Old Colony (X) Wharf	"	f	17-18		North West to North East 11.5, 15.0, 15.5 + 21.5 feet.
9	"	"	f	18-19	North to South	
9	"	"	f	19-20		24.5, 25.0, + 22.5 feet South East to South West 19.4, 17.5, 18.5, 16.5 + 9.5 feet.
10	Ratche's Wharf Co Incorporated. Ratche's North Wharf	"	f	21-22		West to East 7.3, 14.3, 17.3 + 14.3 feet.
10	"	"	f	22-23		North to South 7.3 + 3.3 feet.
10	"	"	f	23-24		West to East 9.3, 14.3, 20.3 + 22.3 feet.
10	"	"	f	24-25	North to South	
10	"	"	f	25-26		21.8, 23.3 + 23.3 feet South East to South West 17.2, 14.7 + 13.2 feet.

"Marves"

Sheet No.	No. of Wharf	Owners	Boat	Day	Position of wharf.	Depth at end of wharf.	Depth along side of wharf.
11	Ritchie Wharf Co. Incorporated.	"Ritchie South Wharf"	2 Cutter	f	27-28	North West to North East	9.2, 15.2, 16.2 & 21.2 feet.
11	"	"	"	f	28-29	North to South	22.6, & 20.1 feet.
11	"	"	"	f	29-30	South East to South West	11.1, 14.6, 10.1, 9.6, 3.1 & 0.1 ft.
12	Sarah R. Aruoldi Wharf.	"Central Wharf"	"	f	31-32	North West to South East	8.5, 12.5, 13.0 & 14.0 feet.
12	"	"	"	f	32-33	North to South	13.5 & 14.0 feet.
12	"	"	"	f	33-34	West to East	13.9, 14.9 & 16.4 feet.
12	"	"	"	f	34-35	North to South	15.9, 15.4 & 14.9 feet.
12	"	"	"	f	35-36	South East to South West	13.9, 15.9, 14.9, 13.9 & 8.9 feet.
13	Faber Wharf Co.	"Faber's Wharf"	"	f	37-38	North West to South East	4.9, 13.9, 12.9, 14.9 & 16.9 feet.
13	"	"	"	f	38-39		12.9, 14.4, 15.4 & 16.9 feet.
13	"	"	"	f	39-40	North to South	12.9, 12.4, 12.9, & 11.9 feet.
13	"	"	"	f	40-41	South East to South West	11.9, 10.3, 13.8, 11.3, 11.8, 10.8, & 4.8 feet.

"Harves"

Sheet No. of	Owner	Boat	Day	Position	Depth at end of wharf	Depth alongside of wharf.
14	N.Y. N.H. & H.R.R. Commercial Wharf	2 nd cutter	f	42-43		North West to South East. 4.8, 8.8, 9.3, 8.8, 10.8 & 13.8 feet.
14	"	"	f	43-44		North to South 9.8, 8.3, 8.8 & 11.8 feet.
14	N.Y. N.H. & H.R.R. "Ferry Slip"	"	b	44-45		North East to North West. 11.8 and 13.8 feet.
14	"	"	b	45-46	Inner end of slip	North to South. 13.8 & 13.3 feet.
14	"	"	b	46-47		South West to South East. 13.8, 12.8 & 16.2 feet.
14	Commercial Wharf	"	b	47-48		North to South 16.7, 17.2 & 17.7 feet.
15	"	"	b	48-49		South East to South West. 20.7, 17.7, 21.7, 20.7, 17.7, 13.2 & 8.2 feet.
16	N.Y. N.H. & H.R.R. "Inguitt Steamboat Wharf"	"	c	1-2		North West to South East 7.1, 9.1 & 10.1 feet.
16	"	"	c	2-3		North to South 10.6 & 8.1 feet.
16	"	"	c	3-4		South East to South West. 6.1 & 4.1 feet.

"Wharves"

Sheet No.	No. of Wharf	Owners	Boat	Day	Position of wharf.	Depth at end of wharf.	Depth alongside of wharf.
17	17	Ny 1st & 2 nd RR "Martha's Truigard" Steamboat Wharf.	2 nd Cutter	@	5-6		North West to North East 6.2, 8.7, 9.2 & 12.2 feet.
17	17	"	"	@	6-7	North to South 11.2 & 12.2 feet.	
17	17	"	"	@	7-8		South East to South West. 14.2, 12.2, 10.2 & 3.2 feet.
18	18	Ny 1st & 2 nd RR "Beetles Wharf"	"	@	9-10		North West to North East. 1.3, 1.8, 2.3 & 5.3 feet.
18	18	"	"	@	10-11	North to South 3.3, 4.8 & 5.3 feet.	
18	18	"	"	@	11-12		South East to South West. 4.3, 3.8, 2.3 & 1.3 feet.
19	19	Hires of David R Green "Merrill's Wharf"	"	@	13-14		North West to North East. 2.4, 8.4, 11.4, 11.9, 4.9 & 14 ft.
19	19	"	"	@	14-15	North to South 13.3, 11.8, 14.3 & 12.3 feet.	
19	19	"	"	@	15-16		South East to South West. 15.3, 12.3, 11.8, 14.3, 8.5 & 2.3 feet.
20	20	Philadelphia & Reading Coal & Iron Co	"	@	17-18		North West to North East. 14, 12.4, 16.4, 18.9, 19.9 & 18.4 ft.
20	20	Philadelphia & Reading Wharf	"	@	18-19	North to South 12.9 & 16.9 feet.	

"Harver"

Sheet No.	No. of Wharf	Owner	Boat	Day	Position of wharf.	Depths at end of wharf.	Depths alongside of wharf.
	20	Philadelphia & Reading Coal & Iron Co.	2 Cutter	@	19-20		South East to South West.
	20	"	"	@	20-21	North to South 7.4, 12.4, 12.9 & 11.9 feet.	
	20	"	"	@	21-22		North North East to South South West 8.4, 7.9, & 6.9 feet.
	20	"	"	@	22-23		East to West 11.4, 9.9, 9.4, 8.4, 6.4 & 2.4 feet.
	21	New Bedford Gas and Edison Electric Light Wharf	"	@	24-25		North West to North East 1.4, 11.4, 12.9 & 11.4 feet.
	21	" Gas House Wharf"	"	@	25-26	North to South 6.3, 6.3, & 5.3 feet.	
	21	"	"	@	26-27		South to East 2.3, 4.3, 4.8 & 3.3 feet.
	22	J. T. Akin & Co Coal Merchants Wharf	"	@	28-29		North West to North East 2.6, 8.6, 13.6, 13.1 & 12.6 feet.
	22	" Akin's Coal Wharf"	"	@	29-30		11.6, 14.0, 14.5, & 13.5 feet.
	22	"	"	@	30-31	North to South 14.5, 14.5, 13.5 & 13.0 feet.	
	22	"	"	@	31-32		South East to South West 8.5, 7.5, 5.5, 4.5, & 1.5 feet.

"Marves"

Sheet No.	No of Wharf	Owners	Boat	Day	Position of wharf	Depth of end of wharf	Depth alongside of wharf
	23	Albert W Holmes "Holmes Coal Wharf"	2 nd cutter	C	33-34		North West to North East 4.4, 5.4, 7.4 & 9.4 feet.
	23	"	"	C	34-35	North to South	5.4, 5.4, 2.8 & 0.8 feet.
	24	Greene & Wood "Greene & Wood's Landing Wharf"	"	C	36-37		North West to North East. 1.3, 0.8, 2.3, 2.3 & 1.3 feet.
	24	"	"	C	37-38	Angle of Wharf to North.	1.3, 3.8, 4.3 & 4.8 feet.
	24	"	"	C	38-39	Angle of Wharf to East	4.2, 4.2, 4.2 & 5.2 feet.
	24	"	"	C	40-41	Angle of Wharf to South West.	3.2, 2.7 & 2.2 feet.
	24	"	"	C	41-42	Angle of Wharf to East.	2.2, 7.7, 9.2 & 10.7 feet.
	24	"	"	C	42-43	North to South	6.6, 7.1 & 6.6 feet.
	24	"	"	C	43-44		South East to South West. 7.6, 8.1, 8.6, 7.6 & 4.1 feet.
	24	"	"	C	44-45	Angle of wharf to South Corner	6.6, 8.5, 9.0 & 4.5 feet.
	25	John Hastings "Hastings Coal Wharf"	"	C	46-47	North to South	5.6, 7.6, 9.1 & 9.6 feet.

Marves

Sheet No.	No. of Wharf	Owners	Boat	Day	Position of wharf.	Depth at end of wharf.	Depth alongside of wharf.
25	25	John Hastings "Hastings Coal Wharf"	2 nd Cutter	c	47-48	South East to South West	5.6, 8.1, 7.6, 7.1, 5.1 & 0.1 feet.
25	"	"	"	c	48-49	South West to South	0.5, 3.5, 3.5 & 4.0 feet.
31	31	"American Tack Co"	"	d	1-2	South East to South West	0.7, 6.2, 5.2, 8.7 & 12.7 feet.
31	"	"	"	d	2-3	South to North	11.7, 11.7, 12.7 & 12.7 ft
31	"	"	"	d	3-4	North West to North East.	11.2, 6.7, 9.2, 8.2 & 2.7 feet.
31	"	"	"	d	4-5	South to North	0.7, 5.2, 5.7 & 5.7 feet
32	32	N.Y. N.H. & H.R.R. "Fairhaven R.R. Wharf"	"	d	6-7	South East to South West	1.9, 7.4, 15.9, 14.9 & 17.4 feet.
32	"	"	"	d	7-8	South to North	15.4, 12.4, 13.4 & 11.9 ft.
33	33	Ferry Entrance	"	d	8-9	North West to North East	11.4, 13.9, 12.4 & 10.9 feet.
33	"	"	"	d	9-10	South East to North East.	11.0, 11.0 & 10.0 feet.
33	"	"	"	d	10-11	North East to North West.	10.5, 11.0, 12.0 & 12.0 feet.

Harbour

Sheet No.	No. of Wharf	Owner	Boat	Day	Position of wharf.	Depths at end of wharf.	Depths alongside of wharf.
34	Fairhaven	Iron Foundry	Cutter	d	12-13	South to North	5.5, 7.3, 7.8 & 5.3 feet
35	"	"	"	d	14-15	South to North	7.9, 9.4, 8.4, 6.4 & 2.9 feet.
35	"	"	"	d	15-16	North to West	6.4, 7.4, 7.4, 6.4 & 2.4 feet.
35	"	"	"	d	16-17	North West to East	4.9, 8.4, 9.9 & 10.4 feet.
35	"	"	"	d	17-18	East to West	11.0, 11.5, 12.0 & 12.5 feet.
35	"	"	"	d	18-19	South to North	12.5, 11.5, 12.0 & 10.0 feet.
35	"	"	"	d	19-20	Angle of Wharf to West	8.0 & 10.0 feet.
35	"	"	"	d	20-21	Angle of Wharf to North	11.5, 12.5, 14.5 & 14.0 feet.
35	"	"	"	d	21-22	North West to North East	10.5, 6.5 & 7.0 feet.
37	Kelly's	Lumber Wharf	"	d	23-24	North East to Angle of Wharf	2.5, 5.5, 7.0, 6.5, 7.5, 8.5 & 1.5 feet.
37	"	"	"	d	24-25	Angle of Wharf to South	10.0, 10.0, 10.5 & 10.0 feet.

Harves

Sheet No.	No. of Wharf	Owners	Boat	Day	Position of wharf.	Depth at end	Depth alongside of wharf.
37	Kelly's	Lumber Wharf	2 nd batter	d	25-26		East to West 10.0, 10.5, 11.0 + 12.5 feet.
37	"	"	"	d	26-27	South to North	13.5, 12.5 + 6.5 feet
37	"	"	"	d	27-28		12.5, 11.5, 10.5 + 12.5 feet
37	"	"	"	d	28-29		North West to North East. 11.5, 8.0, 10.5, 10.0, 9.5, 8.5,
37	"	"	"	d	28-29		8.0, 5.5, 4.0 + 1.6 feet.