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Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O. N. Tittmann
Superintendent.

State: *N. C.*

DESCRIPTIVE REPORT.

Topo Sheet No. *2950*

LOCALITY:

Hatteras Inlet

1909

CHIEF OF PARTY:

J. B. Boutelle

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-----DESCRIPTIVE REPORT-----

TOPOGRAPHIC SHEET NO.....

HATTERAS INLET, NORTH CAROLINA.

A topographic re-survey of the shore line of Hatteras Inlet, N. C., made June 23 and 24, 1909.

The following data for this survey was furnished at the Office:

	Meters.	
West Inlet II to Hatteras Inlet L.Ho.	8312	-12
" " " " Egg Shoal II.	8823	20
Hatteras Inlet L.Ho., to Egg Shoal II	4455	-12
Azimuth: Hatteras Inlet L.Ho., to West Inlet II.	358 46'	33.4"

Angles were observed to determine a new signal "East" set on the east side of the inlet, and also N.Meth.Ch. and Weather Bureau Signal Tower. A small hydrographic signal "Cent", was erected on a dry shoal inside the inlet, and determined by sextant angles. A copy of observed angles and computation of triangle sides is attached hereto.

As no geographic position was furnished, the above stations were plotted by distances on a sheet with no projection. *Positions were afterwards received from the office and a projection constructed*

Respectfully submitted,

J. B. B. Outelle
Assistant, C. & G. Survey,

Chief of Party.

*On the list of geogrⁿ positions sent from the office the names North Meth.Ch. and South Meth.Ch. are transposed according to the information I received from the inhabitants of Hatteras.
J. B. B.*

Hatteras Inlet, N. C., June 23, 1909

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Observer J.B. Boutelle.

Station: "EAST"

Theod. No. 230.

		A		B		Mean.	List of directions.
West Inlet #2.	D	0	00	00	00	00.0	0° 00' 00"
	R			00	00		
Hatteras Inlet L.H.	D	98	26	00	00		98 25 40
	R		25	35	30	46	
Egg Shoal #II.	D	133	56	45	45		133 56 28
	R		56	20	25	34	
N.Meth. Ch. Sp. }	D	178	35	35	35		178 35 30
Hatteras. }	R		35	40	35	36	
Hatteras Inlet. }	D	359	02	45	40		359 02 36
L.S.S. Cupola. }	R		02	40	40	42	
Signal Tower. }	D	175	48	15	10		178 48 04
Weather Bureau. }	R		48	05	10	10	
West Inlet #2.	D	0	00	00 ¹⁵	00 ¹⁰	11	0 00 00
	R			10 ¹⁰	10 ¹⁰		
-----Station: Egg Shoal II-----							
Hatteras Inlet, L.H.	D	0	00	<u>00</u>	<u>00</u>		0 00 00
	R		50	<u>50</u>	<u>50</u>	55	
Signal Tower. }	D	237	49	20	20		237 49 20
Weather Bureau. }	R			10	10	15	
N.Meth. Ch. Sp. }	D	249	20	20	20		249 20 20
Hatteras. }	R		10	10	<u>10</u>	15	
East.	D	279	31	<u>20</u>	<u>20</u>		279 31 10
	R			<u>50</u>	<u>50</u>	05	
West Inlet II.	D	291	20	40	40	30	291 20 35
	R			20	20		
Hatteras Inlet L.H.	D	0	00	<u>00</u>	<u>00</u>	55	0 00 00
	R			<u>50</u>	<u>50</u>		

-----Station "Cent"-----sextant angles-----

West Inlet II	68	56	West Inlet II	136°	01'
East			Ha. Inlet L.H.		
N. Meth. Ch.	59	04			

11-606

State: North Carolina. (Hatteras Inlet.) Jun. 23, 1909.

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LOGARITHMS.

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NO.	STATIONS.	OBSERVED ANGLES.	CORR'N.	SPHER' L. ANGLES.	SPHER' L. EXCESS.	PLANE ANGLES AND DISTANCES.	Acc	No.
	East.	35 30 48					4455	3.64885
	Hat. Inlet L.H.					64 00 22		0.23590
	Egg Shoal II.	80 28 50						9.95368
	East to Egg Shoal II					6893		9.99398
	" " Hat. Inlet L.H.					7566		3.83843
								3.87873
	East.	133 56 28					8823	3.94562
	West Inlet II.					34 14 07		0.14264
	Egg Shoal II.	11 49 25						9.75019
	East to Egg Shoal II					6894		9.31154
	" " West Inlet II					2511		3.83845
								3.39980
	Hatteras N. Meth. Ch. Sp.					105 10 08		3.83845 ⁴
	East.	44 39 02						0.01540
	Egg Shoal II.	30 10 50						9.84682
	N. Meth. Ch. Sp. to Egg Shoal II.					5019		9.70133
	" " " " " East.					3591		3.70067 ⁶
								3.55518 ⁷
	Weather Bureau.							3.83844
	Signal Tower.					96 26 34		0.00275
	East.	41 51 36						9.82433
	Egg Shoal II.	41 41 50						9.82295
	Signal Tower to Egg Shoal II.					4629		3.66552
	" " " East.					4615		3.66414

Do not write in this margin.