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Form 504
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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. Patton, Director

U. S. COAST & GEODETIC SURVEY
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JAN 26 1931

State: Florida Acc. No. _____

DESCRIPTIVE REPORT

Topographic } Sheet No. B
Hydrographic } 4563

LOCALITY

East Coast of Florida

Biscayne Bay

Shoal Point to Turkey Point

1930

CHIEF OF PARTY

Charles Shaw

Graphic Control

DESCRIPTIVE REPORT

to accompany

Topographic Sheet "B"

Biscayne Bay, Shoal Point to Turkey Pt.

November 1930

Ship RANGER, Charles Shaw, Commanding

AUTHORITY:

Instructions dated July 15, 1930 and letter dated September 19, 1930, reference 10-RWS.

CONTROL:

Triangulation stations as follows:

Second order: Tank, Black Pt. 2, Turkey Point 2.

Third order: Shoal Pt. 2, Bed, Top, First, Black Pt. 3, Stick, Mud.

Fourth order: Cupola, Gunboat Tree.

CLOSING ERRORS:

Closing errors were all within the allowable limit and were adjusted proportionally.

TRAVERSE	DISTANCE (miles)	CLOSING ERROR (meters)
△ First to △ Black Pt. 2	1.6	11
△ Black Pt. 2 to △ Black Pt. 3	2.4	16
△ Mud to △ Black Pt. 3	3.2	24
△ Mud to △ Stick	3.7	28
△ Stick to △ Turkey Pt. 2	2.6	20

WORK INCLUDED:

Shoreline is accomplished around triangulation stations and where ever else advisable for the control of aerial photographs. Centerlines of roads or canals are included for orientation of photographs. Signals for hydrography are located by usual plane table methods.

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CHARACTER OF BAY SHORE:

The shore is mostly low boggy mud flats covered by abundant mangrove thicket. The H. W. line is at the edge of the mangrove from © Sid to © Rip and also for a short distance south of A Stick but otherwise it is some distance inside the edge of the mangrove thicket. The canals and ditches shown are for drainage purposes altho used as harbors to some extent by small power boats particularly at © Rad and © Roc as the water is shoal near shore and the canals are about the only available landing. The mud is underlaid a short distance below the surface by coral and when the canals were excavated this coral was piled on either side making rock fill.

LIST OF PLANE TABLE POSITIONS:

See attached list. Plane table positions of hydrographic signals and distinctive natural objects.

January 13, 1931

Clarence R. Reed

Clarence R. Reed, Topographer,
Aid, C. & G. Survey.

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LIST OF PLANE TABLE POSITIONS

Topographic Sheet "B"

Signal	Lat. & Long.		Seconds in meters		Remarks
Po	25	34	237	1610	White slats banner
	80	18	304	1371	
In	25	33	765	1081	White slats banner in tree
	80	18	805	870	
Box	25	33	28	1818	White slats "boxed" up
	80	18	1113	582	
Wig	25	32	1464	382	White tripod signal
	80	18	1202	473	
Roc	25	31	1601	245	White rocks with low signal
	80	19	169	1507	cloth banner above.
Low	25	31	769	1077	Signal cloth diamond shape with
	80	19	1513	162	white barrel below
Rag	25	30	757	1089	Old barge fast ashore
	80	20	95	1581	
Guy	25	29	1048	798	Signal cloth diamond on 25 ft.
	80	20	737	939	2" x 4" guyed in place.
Ivy	25	29	556	1290	Portion of white shed lodged in
	80	20	713	963	mangrove.
Prop	25	28	1735	111	White slats banner propped in
	80	20	631	1045	place.
Sid	25	28	1443	403	Old wreck of barge
	80	20	655	1021	
Rip	25	27	1637	209	Signal cloth in pine
	80	20	147	1529	
Rad	25	26	1645	201	Slats banner on pile
	80	19	1313	363	
Snug	25	26	1410	436	Largest and most northerly of
	80	19	1523	153	two small pines

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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4563

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 Letter BREGISTER NO. 4563State FloridaGeneral locality East Coast of Florida, Biscayne BayLocality Biscayne Bay - Shoal Point to Turkey Point.Scale 1:20,000 Date of survey Nov. 5 to 20, 19 30Vessel RANGERChief of Party Charles ShawSurveyed by C. R. ReedInked by C. R. Reed

Heights in feet above _____ to ground to tops of trees

Contour Approximate contour Form line interval _____ feet

Instructions dated July 15, 1930, letter 9-19-30, reference 10-RWSRemarks: None