HURRICANE TIDES AND SEA-LEVEL PRESSURES AT TAMPA, FLORIDA 1848-1979

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ABSTRACT

The following paper is the second of a series documenting extreme tides and minimum sea-level pressures occuring during the passage of hurricanes over or near major metropolitan areas of Florida.

The Tampa Bay Area ranks among the top five most populated coastal areas of Florida, with the combined HIlisborough-Pinellas County population exceeding one million (1970 census).

Coastal topographic features features are a broad, low coastal plain (elevations 15 ft above mean sea-level or less), surrounding Tampa Bay, laced with numerous man-made canals and natural bayous. Along the Gulf Coast are a long, north-south chain of low-lying barrier islands stretching more than 15 miles, and heavily populated.

This report lists all available information to the author at this time (Dec. 1980). If additional data becomes available in the future, this report will be revised and updated.

Pressure is in inches of mercury, at sea-level. Tide data in feet above mean-sea-level, unless otherwise noted.

YEAR	DATE	NAME	MINIMUM PRESSURE	MAXIMUM TIDE
1848	Sept. 25		28.18	14.1
1848	Oct.		29.43	10.0
1910	Oct. 17-18		-	7.5
1921	Oct. 25		28.81	9.6
1926	Sept. 18	"Miami"	29.36	-
1933	Sept. 3-5		29.35	3.8
1935	Sept. 2-4	"Labor Day"	-	4.4
1935	Nov. 8	"Yankee"	-	5.1
1944	Oct. 18-19		28.55	2.1
1945	June 24		-	4.2
1946	Oct. 7-8		29.14	3.4
1949	Aug. 26-27		29.11	-
1950	Sept. 3-6	Easy	29.19	5.6
1960	Sept. 10	Donna	29.11	-
1966	June 9	Alma	29.42	5.0
1968	Oct. 18	Gladys	29.53	5.0 Above Normal
1972	June 18-19	Agnes	29.59	5.6

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