



**PROJECT:** FEMA - 1545 - DR - FL Coastal High Water Mark Survey Project  
**CONTENTS:** Individual Historical High Water Mark Survey Report  
**TYPE:** High Water Mark Survey  
**COMM. NO.** 12103C      **PREL.** 1/10/2005    **FINAL** 1/31/2005    **SHEET** Pine-3

<b>HWM ID</b>	Unit10_16	<b>Type of Mark:</b>	None
<b>Name of Storm Event:</b>	Frances	<b>Date of Flood Event:</b>	9/5/2004
<b>Stream Name/Flood Source:</b>	Intracoastal Waterway	<b>Quality of Mark:</b>	Good
<b>Survey Elevation (NAVD 88):</b>	2.8 ft <b>NGVD 29:</b> 3.6 ft	<b>HWM Object:</b>	Dock
<b>Flooding Type:</b>	Surge		
<b>HWM Address:</b>	333 LaHacienda Dr		
<b>Location of HWM Object</b>	On dock.		
<b>HWM Type:</b>	Personal account		
<b>Closest Municipality:</b>	Indian Rocks Beach	<b>County</b>	Pinellas <b>State:</b> Florida
<b>Name of Flagger/Interviewer:</b>	Wilson	<b>Flagger Company:</b>	URS
<b>Date of Flagging/Interview:</b>	9/12/2004		
<b>Survey Crew:</b>	MR, WR, RP	<b>Survey Company:</b>	PBS & J
<b>Survey Date:</b>	10/15/2004		
<b>Survey Projection:</b>	State Plane Florida West	<b>Vertical Datum:</b>	NAVD 88 <b>Horizontal Datum:</b> NAD 83 (90)
		<b>Easting (Meters):</b>	<b>Easting (feet):</b> 1293610.2861
<b>Survey Latitude:</b>	27.88987	<b>Northing (Meters):</b>	<b>Northing (feet):</b> 383114.9394
<b>Survey Longitude:</b>	82.84529	<b>Approx. First Floor Elevation:</b>	N/A

**Comment**

Surveyor Comments: HWM was measured at 0.6' below deck.



*Survey Certification: Coastal High Water Mark Location survey is certified to 0.25 feet vertically and 10 feet horizontally with a 95% accuracy level.*

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