U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

TIDE NOTE FOR HYDROGRAPHIC SHEET

DATE: 07/21/86

Marine Center: Pacific

OPR: J-288

Hydrographic Sheet: H-10172

Locality: Santa Rosa Sound, Florida

Time Period: April 15, 1985 - February 25, 1986

Tide Station Used: 872-9736 Woodlawn Beach, FL

Plane of Reference (Mean Lower Low Water): 1.57 ft.

Height of Mean High Water Above Plane of Reference: 1.3 ft.

Remarks: Recommended Zoning:

Zone direct

for Brick X. Cunningham

Chief, Tidal Datum Quality
Assurance Section

Field Tide Note

Field tide reduction of soundings were based on unverified actual heights from Tide Station No. 872-9736, Woodlawn Beach, for hydrography run west of Lon. 86°59'30", with the exception of DN 015, 1986. Heights were obtained from Tide Station No. 872-9769, Santa Rosa Sound, East End, (Navarre Beach Bridge), for hydrography run east of Lon. 86°59'30" and on DN 015, 1986. All data was derived from ADR tapes and reduced to MLLW. All times of actual and applied tides are UTC.

Four tide gages were in operation in support of this survey. The locations and periods of operation were:

Site	Location	Period
Fishing Bend No. 872-9806	30°20.1'N 87°08.5'W	1/1/85 - 6/12/85
Woodlawn Beach No. 872-9736	30°23.2'N 86°59.5'W	1/1/85 - 6/12/85 *Re-installed 10/22/85
Santa Rosa Sound,East End No. 872-~~9736~~ 9769	30°23.1'N 86°51.9'W	4/30/85 - 6/12/85 *Re-Installed 10/16/85
Pensacola, Florida No. 872-9840	30°24.0'N 87°12.1'W	Primary Station

*By HFP-2/3, to be removed at end of project.

Fishing Bend, Pensacola Beach, Florida

The gage and staff were installed and maintained by personnel from HFP-4 for the period listed above. The gage was set to read 10 feet higher than the staff reading, at the time of installation. The gage was operated on UTC. There was no significant loss of data.

Woodlawn Beach, Florida

The gage and staff were installed and maintained by personnel from HFP-4 until 6/12/85, on which date, both were removed. The gage and staff were re-installed and maintained by personnel from HFP-2/3, on 10/22/85. A contract observer was hired to make daily readings. The gage, staff, and pier on which it was located, was destroyed by a tropical storm on 11/03/85. A new gage and staff was installed on the next pier east (approximately 50 meters) of the original location,on 11/04/85. On both installations the gage was operated on UTC, and set to read 10 feet higher than the staff reading at time of installation. Some loss of data occurred in November due to a gage malfunction, not reported by the contract tide observer. This data loss should not affect hydrography run. No other significant loss of data occurred.

Santa Rosa Sound, East End (Navarre Beach Bridge)

The gage and staff were installed and maintained by personnel from HFP-4 until 6/12/85, on which date the gage was removed and the staff remained. The gage was re-installed on 10/16/85, and maintained by personnel from HFP-2/3. The gage was destroyed by a storm on 01/27/86, and replaced on 01/28/86. The staff was not disturbed. The gage was operated on UTC. The gage was set to read 10 feet higher than the staff reading at the time of both installations. The only significant loss of data occurred from 1/27 - 1/28/86 when the gage was destroyed. This did not affect hydrography .

Pensacola, Florida

This installation is a primary tide station owned by NOS, but operated and maintained by Chapin and Associates, through a contract observer. No significant loss of data was reported.

Levels

Levels were run upon installations and again before removals to the staffs at the three sites installed by HFP-4. Levels were run to the staffs installed by HFP-2/3, upon installation, however the gages were still in operation at the close of this survey, and closeout levels had not been run. Inspection levels were run to the Pensacola staff (Sta. No. 872-9840) on 11/12/84 by HFP-4 and again on 10/24/85 by HFP-2/3. No significant differences in elevation between respective level runs was observed for those sites applicable.

Zoning

Zoning was not required for field reduction of soundings for this survey. Final zoning correctors will be determined by N/OMA12.