

DATE: 10/10/84

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

TIDE NOTE FOR HYDROGRAPHIC SHEET

Marine Center: Atlantic

OPR: J 264

Hydrographic Sheet: H-10122

Locality: St. Andrews Bay, Florida

Time Period: December 1, 1983 - May 14, 1984

Tide Station Used: 872-9108 Panama City, Florida

Plane of Reference (Mean Lower Low Water): 3.24 ft.

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

Remarks: Recommended Zoning:

1. West of a line formed by 2 points located at,

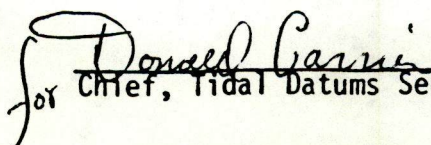
$30^{\circ}07.3'$ and $30^{\circ}07.1'$
 $85^{\circ}44.0'$ and $85^{\circ}43.8'$

Apply -1 hr. 30 min. time correction and x1.15 range ratio.

2. East of the previous line to a line formed by 2 points located at,

$30^{\circ}07.7'$ and $30^{\circ}07.4'$
 $85^{\circ}43.4'$ and $85^{\circ}43.3'$

Apply -1 hr. time correction


for Chief, Tidal Datums Section

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3. In Grand Lagoon

a. West of longitude $85^{\circ}43.4'$ to the State Highway 392 Road Bridge
apply -30 minute time correction.

b. West of the State Highway 392 Road Bridge apply -15 minute time correction.

4. In St. Andrews Bay, Zone Direct.

FIELD TIDE NOTE
SURVEY H-10122

Field tide reduction of soundings was based on predicted tides from Pensacola, Florida corrected to St. Andrew Bay, Florida, and were interpolated by a PDP8/e computer utilizing AM500.

The project instructions states in Section 5.9 that prediction stations numbers 3155 through 3169 found in Table 2 of the Tide Tables should be used to provide preliminary time and height corrections to the predicted tide at Pensacola. These corrections were used at the start of the project (JD335 - 1983 thru JD34-1984). A detailed tide zoning chartlet was provided by N/OMS12 for clarification and was used from JD39 through completion of this survey. A copy of this chartlet is appended to this Tide Note.

The operating control tide station at Pensacola, Florida (872-9840), will serve as control for datum determination and the operating tide station at Panama City, Florida (872-9108), will provide additional control. These gages were maintained and operated by Chapin and Associates, Inc. These gages were monitored by contract observers and operated well through all periods of hydrography.

A Fischer Porter ADR gage was installed at Beacon Beach, Florida (872-9105) by party personnel and operated well with no breaks in data collection.

<u>SITE</u>	<u>LOCATION</u>	<u>PERIOD</u>
Pensacola, Florida 872-9840	30 ⁰ 24.2' 87 ⁰ 12.8'	entire period of survey
Panama City, Florida 872-9108	30 ⁰ 09.1' 85 ⁰ 40.0'	entire period of survey
Beacon Beach, Florida 872-9105	30 ⁰ 05.5' 85 ⁰ 33.9'	11/18/83 - 5/14/84

PENSACOLA, FLORIDA
PANAMA CITY, FLORIDA

A line of communications was established with Chapin and Associates to assure correct operation of these gages and to be notified in case of any malfunction. No problems were encountered.

BEACON BEACH, FLORIDA

A Fischer Porter ADR serial No. 7106A1974M2 was installed and began operation 18 November 1983. The gage operated well and was removed 14 May 1984.

LEVELS

Levels were not run by party personnel to the staff at the Pensacola gage. Levels were run to the staff at the Panama City gage 11 November 1983 and 14 May 1984. These levels indicated no movement of the staff.

Levels run upon installation and removal of the gage at Beacon Beach also indicated no movement of the staff.

ZONING

Zoning should be provided by the Tides and Water Levels Branch N/OMS12.