**UNITED STATES DEPARTMENT OF COMMERCE**
**National Oceanic and Atmospheric Administration**
NATIONAL OCEAN SERVICE
Office of Ocean and Earth Sciences
Silver Spring, Maryland 20910

# TIDE NOTE FOR HYDROGRAPHIC SURVEY

**DATE:** January 31, 1996

**MARINE CENTER:** Atlantic

**HYDROGRAPHIC PROJECT:** OPR-K204-AHP2

**HYDROGRAPHIC SHEET:** H-10585

**LOCALITY:** Clear Lake, Galveston, Texas

**TIME PERIOD:** December 14, 1994 - April 19, 1995

**TIDE STATION USED:** 877-0933 Clear Lake, Tx.
Lat. 29° 33.8'N Lon. 95° 04.0'W

**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 4.44 ft.
**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 1.1 ft.

**TIDE STATION USED:** 877-1013 Eagle Point, Tx.
Lat. 29° 28.8'N Lon. 94° 55.1'W

**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 3.39 ft.
**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 1.1 ft.

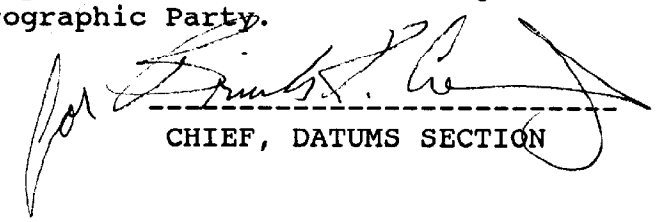
**REMARKS:** RECOMMENDED ZONING

1. In Clear Lake, times and heights are direct using Clear Lake, Tx. (877-0933).
2. In Clear Creek, apply a +20 minute correction to times, and heights are direct using Clear Lake, Tx. (877-0933)
3. In Galveston Bay, apply a +15 minute correction to times and heights are direct using Eagle Point, Tx. (877-1013)

**Note:** Relative sea level trends show that the Galveston Bay, Texas area is undergoing substantial land subsidence. The relative sea level trend observed at the site for the control station for datum computation, Galveston, Pier 21, for the time period 1950 through 1993 is +0.025 ft./yr. with a standard error of 0.002 ft./yr. As a result of high rate of sea level change, the 1960 to 1978 Tidal Epoch value of Mean Lower Low Water (MLLW) used as chart datum and reference datum for NOS tidal predictions does not reflect present conditions. The data are now under review to determine an updated value of MLLW. Even though the 1960-78 Epoch value of MLLW is not the most current, the change is in the direction that is safe for navigational purposes.

**Notes:**
1. Times are tabulated in Greenwich Mean Time.
2. The data for Clear Lake, Tx. (877-0933) and Eagle Point, Tx. (877-1013) are stored in Next Generation Water Level Measurement System temporary files #677-0933 and #677-1013 respectively.

**Caution:** Clear Lake, Tx. (877-0933) data are considered preliminary until vertical stability is verified with closing levels from the Atlantic Hydrographic Party.



CHIEF, DATUMS SECTION