



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Ocean Service
Silver Spring, Maryland 20910

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE : October 17, 2005

HYDROGRAPHIC BRANCH: Atlantic Hydrographic Branch
HYDROGRAPHIC PROJECT: OPR-K354-TC-2005
HYDROGRAPHIC SHEET: H11290

LOCALITY: 26 NM SW of Point au Fer, Gulf of Mexico, LA
TIME PERIOD: April 5 - July 29, 2005

TIDE STATION USED: Galveston Pleasure Pier, TX 877-1510
Lat. 29 17.1' N Long. 094 47.3' W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 0.563 meters

TIDE STATION USED: Eugene Island, LA 876-4311
Lat. 29 22.3' N Long. 091 23.1' W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 0.555 meters

REMARKS: RECOMMENDED ZONING

Use zone(s) identified as: WGM279, WGM280, WGM281, WGM282 & WGM289

Refer to attachments for zoning information.

- Note 1:** Provided time series data are tabulated in metric units (meters), relative to MLLW and on Greenwich Mean Time on the 1983-2001 National Tidal Datum Epoch (NTDE).
- Note 2:** The tide gauge at Eugene Island was destroyed before closing levels could be completed. A datum check was performed to establish Eugene Island's stability. Eugene Island was deemed stable and can be used for tidal correctors up until August 16th, 2005.
- Note 3:** Use tide data from the appropriate station with applicable zoning correctors for each zone according to the order in which they are listed in the Tidezone corrector file (*.ZDF). For example, tide station one (TS1) would be the first choice for an applicable zone followed by TS2, etc. when data are not available.

Fa. D. Call

CHIEF, REQUIREMENTS AND DEVELOPMENT DIVISION



Final tide zone node point locations for OPR-K354-TC-2005, H11290

Format: Tide Station (in recommended order of use)
 Average Time Correction (in minutes)
 Range Correction
 Longitude in decimal degrees (negative value denotes Longitude West),
 Latitude in decimal degrees

	Tide Station Order	AVG Time Correction	Range Correction
Zone WGM279	876-4311	+42	0.87
-91.219355 29.237909	877-1510	+18	0.83
-91.24945 29.249642			
-91.771676 28.856183			
-91.582929 28.90797			
-91.219355 29.237909			
Zone WGM280	876-4311	+36	0.87
-91.24945 29.249642	877-1510	+6	0.83
-91.290243 29.266244			
-91.359246 29.230886			
-91.749565 29.030883			
-92.233468 28.784646			
-92.292808 28.701542			
-91.771676 28.856183			
-91.24945 29.249642			
Zone WGM281	876-4311	+24	0.90
-91.290243 29.266244	877-1510	0	0.86
-91.312592 29.286417			
-91.713292 29.139324			
-92.085318 29.009956			
-92.198364 28.833418			
-92.233468 28.784646			
-91.749565 29.030883			
-91.359246 29.230886			
-91.290243 29.266244			
Zone WGM282	876-4311	+18	0.92
-91.312592 29.286417	877-1510	-12	0.88
-91.313407 29.291703			
-91.320554 29.298432			
-92.001586 29.152267			
-92.033855 29.090323			
-92.085318 29.009956			
-91.713292 29.139324			
-91.312592 29.286417			

Zone WGM289	876-4311	+42	0.79
-91.582929 28.90797	877-1510	+18	0.76
-91.771676 28.856183			
-92.203495 28.53084			
-91.784867 28.683346			
-91.684155 28.816108			
-91.582929 28.90797			