



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: February 24, 1999

HYDROGRAPHIC BRANCH: Atlantic

HYDROGRAPHIC PROJECT: OPR-E346-AHP

HYDROGRAPHIC SHEET: H-10703

LOCALITY: Upper Chesapeake Bay, MD
Tolchester Beach to Worton Point

TIME PERIOD: July 23, 1996 - March 25, 1998

TIDE STATION USED: 857-3364 Tolchester, MD
Lat. $39^{\circ} 12.8'N$ Lon. $76^{\circ} 14.7'W$

PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters

HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 0.433 meters

REMARKS: RECOMMENDED ZONING

Use zone(s) identified as: CB23, CB30, CB31, CB31A, CB33 & CB33A.

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.

Thomas V. Mero 2/24/99

CHIEF, REQUIREMENTS AND ENGINEERING BRANCH



Final tide zone node point locations for OPR-E346-AHP-97,
Sheet H-10703

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

	Tide Station Order	AVG Time Correction	Range Correction
Zone CB23			
-76.228711 39.350947	857-3364	+54	1.09
-76.172078 39.327913			
-76.167485 39.290153			
-76.179151 39.290271			
-76.181156 39.290462			
-76.254779 39.335591			
-76.228711 39.350947			
Zone CB30			
-76.286603 39.300625	857-3364	+36	1.01
-76.276526 39.352625			
-76.254779 39.335591			
-76.181156 39.290462			
-76.186458 39.275185			
-76.205204 39.266953			
-76.212233 39.26849			
-76.260054 39.291367			
-76.286603 39.300625			
Zone CB31			
-76.226178 39.232184	857-3364	+18	1.01
-76.312435 39.269396			
-76.286603 39.300625			
-76.260054 39.291367			
-76.212233 39.26849			
-76.218436 39.245982			
-76.226178 39.232184			
Zone CB31A			
-76.340596 39.232604	857-3364	0	1.00
-76.312435 39.269396			

-76.226178 39.232184
-76.240177 39.191831
-76.340596 39.232604

Zone CB33

-76.312435 39.269396	857-3364	+12	0.92
-76.384576 39.278581			
-76.386811 39.284059			
-76.38264 39.285099			
-76.338768 39.305403			
-76.343607 39.312169			
-76.335328 39.317477			
-76.286603 39.300625			
-76.312435 39.269396			

Zone CB33A

-76.398818 39.23799	857-3364	-6	0.92
-76.409737 39.249742			
-76.415417 39.253022			
-76.422384 39.274803			
-76.386811 39.284059			
-76.384576 39.278581			
-76.312435 39.269396			
-76.340596 39.232604			
-76.388789 39.236148			
-76.394445 39.23112			
-76.403334 39.228606			
-76.403686 39.232556			
-76.398818 39.23799			