



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: July 18, 1997

HYDROGRAPHIC BRANCH: Atlantic

HYDROGRAPHIC PROJECT: S-E904-AHP

HYDROGRAPHIC SHEET: H-10745

LOCALITY: Virginia, Chesapeake Bay, Nautilus Shoal

TIME PERIOD: April 30 - May 14, 1997

TIDE STATION USED: 863-8863 Chesapeake Bay Bridge Tunnel, VA
Lat. 36° 58.0'N Lon. 76° 06.8'W

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


HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 0.829 m

REMARKS: RECOMMENDED ZONING

Use zone(s) identified as: ECB4, SCB1, SCB2, SCB3, SCB4,
SCB5, SCB6 & SCB8

Refer to attachment(s) for zoning information.

Note: Provided time series data are tabulated in metric
units (meters) and on Greenwich Mean Time.



CHIEF, TIDAL ANALYSIS BRANCH



Final tide zone node point locations for OPR E904-AHP-97.

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 ECB4			
-75.81151 36.322991	863-8863	-42	1.28
-75.771651 36.574628			
-75.665753 37.249684			
-75.617638 37.561641			
-75.916667 37.111667			
-75.978333 36.861667			
-75.81151 36.322991			
Zone SCB1			
-75.978333 36.861667	863-8863	-30	1.26
-76 36.923333			
-75.973333 37.033333			
-75.938333 37.021667			
-75.978333 36.861667			
Zone SCB2			
-75.916667 37.111667	863-8863	0	1.26
-75.961667 37.085			
-75.973333 37.033333			
-75.938333 37.021667			
-75.916667 37.111667			
Zone SCB3			
-76.04 36.93	863-8863	-18	1.23
-76 36.923333			
-75.973333 37.033333			
-76 37.041667			
-76.04 36.93			
Zone SCB4			
-75.98 37.098333	863-8863	+6	1.23
-76 37.041667			
-75.973333 37.033333			
-75.961667 37.085			
-75.98 37.098333			
Zone SCB5			
-76.04 36.93	863-8863	-12	1.06
-76.045082 36.917592			

-76.083612 36.908546
-76.115 36.913333
-76.026667 37.053333
-76 37.041667
-76.04 36.93

Zone SCB6

-76.026667 37.053333	863-8863	+6	1.15
-76 37.041667			
-75.98 37.098333			
-75.970224 37.094261			
-75.967957 37.125604			
-75.973333 37.146667			
-76.026667 37.053333			

Zone SCB8

-75.973333 37.146667	863-8863	+18	1.00
-75.983886 37.174067			
-76.061667 37.063333			
-76.026667 37.053333			
-75.973333 37.146667			