

P. TIDE OBSERVATION

Predicted tides zoned from Baltimore (Ft. McHenry) were used to reduce soundings for this survey. Zone correctors were supplied to the field party from Tides Branch, Rockville, MD.

During survey operations, HFP-2 was informed by NOAA Ship "Ferrel", also working in the Northern Chesapeake Bay that they had installed a tide gage at North Point. Data from this gage may provide more accurate tide control, being closer to the survey area, than the gage at Ft. McHenry. The gage was installed on 6 June 1983 (Julian Day 157) and remained on line through the end of survey operations on 16 August 1983 (JD 228).

Comparison of actual tide vs. predicted tide was not made during the course of this survey because the field party was not directly responsible for handling the tide data for the gage controlling items 2, 3, and 4. General observations by the field party and from user input show predicted tides to be accurate for this area. SMOOTH TIDES WERE APPLIED DURING OFFICE PROCESSING AT AMC.