

CHESAPEAKE BAY
PROJECT: S-E404-PE-84
FIELD TIDE NOTE

Field reduction of sounding was based on predicted tides from Baltimore, Maryland. Three tide zones covered the entire project area. Predicted tide reducers were interpolated by the PDP/8 computer utilizing program AM 500. All times of predicted and recorded tides are Coordinated Universal Time.

ZONING

The following zoning correctors were applied to predicted tides at Baltimore, Maryland:

Zone 9
High water -4hrs, 57min,
Low water -5hrs. 12min.
Height ratio X 1.13

Zone 10
High water -5hrs. 12min.
Low water -5hrs. 27min.
Height ratio X 1.22

Zone 11
High water -5hrs. 32min.
Low water -5hrs. 45min.
Height ration X 1.17

On-line data aquisition utilized the predicted tide tapes from all three zones. The final field sheet only incorporated Zone 10 for plotting.

Actual Tides

It is not anticipated that smooth tides correctors will be applied to this survey. The following tide stations should be used if such correctors are applied in the future:

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|-----------------------------|----------|
| Hampton Roads, VA (Control) | 863-8610 |
| Kiptopeke Beach, VA | 863-2200 |
| Lewisetta, VA | 863-5750 |
| Solomons Island, MD | 857-7330 |