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TO: JOE YEASTED

DATE: MAY 30, 1986

FROM: TOM PEPPER *TP.*COPIES: R. SMITH
P. FALVEY

SUBJECT: NEW BEDFORD HARBOR S725.21

The sampling points in New Bedford Harbor, as located by "Woods Hole Oceanographic Institution," have been coordinated and plotted. The graphics indicate a grid pattern essentially the same as the proposed pattern. Nevertheless, the two grids are not coincident. The grid interval was proposed at 500 feet, but the actual grid point interval is 500' plus or minus 100-150'. As a result of various deviations in the physical placement, the drill point horizontal positions, while numbered the same, are not the same as proposed. Regardless of this placement discrepancy, the sampling points as laid out should be quite usable since their actual location is known.

Vertical data is nonexistent with the exception of an echo sounding depth reading at each of the sampling points. These depth readings are obviously tied to the water level present at any given time. Contours of the bottom of the bay area could be developed keeping in mind the tidal variants.

The 181 odd sampling points were coordinated from data accumulated by using an unusual electronic triangulation/trigonometric leveling method. In consideration of this method, I suggest that a copy of our finished plan be sent, under a cover letter, requesting review by "Woods Hole Oceanographic Institution." Their people will be able to spot obvious mislocations of any data points. We have no way of doing this.

TP:vp

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