

That, in the mean time, very numerous and careful observations should be made to determine the precise amount of enlargement, both in lateral limits, and in elevation of all the shoals.

That a system of observations should be steadily pursued, whereby the force and direction of the flood and ebb currents, at different times of tide, and at different distances from the work, may be accurately given, and clearly represented on the map.

With the extension of the work above water, herein contemplated, the immediate advantage will be obtained of a considerable augmentation of sheltered space, the same extension will serve to indicate, in a more decided manner, the form and magnitude which the shoals may be expected ultimately to attain; it will bring nearer to a solution, the important question as to the most proper width to be given to the eastern entrance to the harbor. And with the aid of the information obtained by the observations on the shoals and on the tides, an opinion less liable to error may be formed as to the exact cause of the shoals, the extent to which they may reach, and if remedy or correction be possible, the mode and manner of remedy or correction.

Sooner than herein contemplated, we believe it would be premature, to resolve on any other change than that indicated of the original project, as we believe it would also be premature now to fix upon the matters of detail in the style or manner of the ultimate finish.

We have the honor to be,  
Your most ob't serv'ts,

TH. S. JESSUP,  
Major Gen. and Quartermaster Gen.

JOS. G. TOTTEN,  
Lieut. Col. of Engineers, and Br. Col.

S. THAYER,  
Brevet Lieut. Col.