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## I. INTRODUCTION

For what regards water quality measurements, the main parameters that are usually considered are its pH, dissolved oxygen (D.O.) concentration, conductivity and temperature. This paper highlights water conductivity measurements and establish the correlation of these measurements with others influencing variables, namely, water tide level and D.O. concentration. There exist a correlation between oxygen concentration, temperature, water tide level and conductivity in estuarine waters, particularly near pathetic boordesuc Readingtem perature increases, the capacity of water to hold oxygen decreases and the same effect occurs when conductivity increases, since a significant number of dissolved oxygen connections are spited and replaced by ionic connections that increment water conductivity [1]–[4]. Additionally, it exists a high positive correlation between water conductivity and water tide level, since see water salinity is much higher than river water salinity.

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