

Correction (first paragraph of poster introduction) for typographical error

INTRODUCTION

Flooding has become more frequent along the U.S coast and as a result, the U.S coast is suffering many public inconveniences such as road closures, traffic disruptions, economic and social effect. According to the National Oceanic and Atmospheric Administration (NOAA) among the top 10 cities that have experienced nuisance flooding in the east coast, Annapolis and Baltimore city leads the list with an increase in the number of flooding days of over 920%. Based on monthly mean sea level data from 1928 to 2020, there is a long term linear relative sea level rise trend of 3.71mm/year with a 95% confidence interval of ± 0.2 mm/year which is equivalent to a change of 1.22 ft. in 100 years. See Fig. 1