

**TITLE:** EVALUATION OF THE BALNEABILITY OF THE BAR LIGHTHOUSE BEACH LOCATED ON THE COAST OF SALVADOR-BA

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**ABSTRACT:**

The monitoring of bathing patterns is a valuable tool to ensure the conditions necessary for recreation of primary contact. The beach of Farol da Barra is approximately 894 meters long, and is one of the best-known beaches in Salvador, often used as a postcard of the capital of Bahia. The present study aims to compare the bathing of the beach of Farol da Barra (13 ° 00'32.6 "S 38 ° 31'58.7" W) present in the coast of Salvador-BA, in the years 2017 and 2018. For this data were analyzed of the fifty-two bathing bulletins at two collection points in their respective years, provided by the Institute of Environment and Water Resources (INEMA). The results indicate that, in 2017, the first point was 31% of the analyzes, improper, followed by 21% satisfactory, 48% very good, and there was no record of excellent. The second point presented 32% improper, 21% satisfactory, 27% very good, without record of excellence as the first point. In 2018, data indicate that, 8% of the samplings the beach was improper, 25% satisfactory, 23% very good, no record of excellent. The second point was 21% improper, 22% satisfactory, 9% very good, again without excellent record. The present study concludes that there was an apparent improvement in water quality from the year 2017 to 2018 on the studied beach.

**Keywords:** Balneability, Beaches, Salvador