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**WATER QUALITY ASSESSMENT OF ILOILO CITY COASTLINE  
INCLUDING BEACHES OF OTON**

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John B. Lacson Foundation Maritime University-Molo, Inc.  
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## **ABSTRACT**

Iloilo City coastline (which) has a length of approximately 72 kilometers. It involves eleven (11) beaches, from WESVICO to Punta Villa including the beaches of Oton namely Anhawan Beach Resort and Lopez Beach that belongs to municipality of Oton. All samplings stations are established among this areas: nine (9) are in jurisdiction of Municipality of Iloilo and two (2) are belong to Municipality of Oton. The place serves as tourists spot. The water consisted up to Brgy. Trapiche, Oton Iloilo. Its shoreline water level measures approximately 3 meters to 5 meters depending on the shoreline formation. The beach areas are considered best attractions and destinations. The beaches particularly in Brgy. Trapiche, Oton are most known for tourist. Brgy. Santo Niño Sur Villa, Arevalo is also thickly populated with tourist. Most of the residents here in these areas live by fishing.

Meanwhile, the researchers looked into the quality of water in these areas in terms of the safety of those who frequent there. Water quality is a term used to describe the chemical, physical, and biological characters of water, usually in the respect to its suitability for a particular purpose. This study answered the following questions: 1) What are the locations of the sampling station in the Iloilo City Coastline including beaches from Oton where the water samples for analysis were extracted? 2) What substances are present in the Iloilo City.

Coastline including beaches from Oton water sample in terms of Dos, Ph, Temp, Oil and grease, Total Coliform, and Fecal Coliform? 3) What practices do people in the locality do to affect water quality and that will contribute to marine pollution? To analyze the water from Iloilo Coastline including Beaches from Oton, the researches got water sample. The sample was sent to the authorized organization to perform the analysis.

The water experts then analyzed the water in terms of the parameters set to measure water quality as Dos, pH, Temp, Oil and Grease, Total Coliform , and Fecal Coliform. Moreover, the researchers also looked into the resident's practices that contribute to the quality of water and their implications to marine pollution. The Department of Environment & Natural Resources (DENR) was requested to analyze the quality of the water. The analyzation conducted during the second semester of SY 2012-2013.