PROFILING OF POCTOY AND DAPAWAN RIVER IN DETERMINING FLOOD PRONE AREAS

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APPROVAL SHEET

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ABSTRACT

The objective of this study is to profile areas based on high tide and low tide that may be affected of flooding and rising of sea levels in Poctoy and Dapawan river in Odiongan, Romblon by means of conducting filed survey and collecting water samples for analysis from August 2019 until December 2019.

The study aimed to test the current water quality based on the standard classifications and guidelines prescribed by DENR-EMB. Water samples were collected from the two (2) selected stations of the river. The collected samples were analyzed based on the parameters preferred. The parameters preferred are pH, Biochemical Oxygen Demand (BOD), Total Suspended Solids (TSS), Nitrate, Phosphate, Surfactant, Total Coliform and Fecal Coliform. Based on the results, both are rivers were failed to meet the standard perimeters set by DENR-EMB. The color of the water in both rivers was gray.

Poctoy and Dapawan river were surveyed by getting the elevations and depth. The researchers measured manually the depth, length and width of the river, Google Earth is used to determine its elevation. The data obtained is to provide profiled map in order to distinguish areas that may be affected by floods.

The highest elevation and lowest elevation is 15m and 8m respectively. The longest and shortest lengths are 100m and 40m respectively.