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Analysis of Variables in the River Suarez Basin using Data Mining (Colombia)

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Abstract : This paper presents the assessment of the concurrent environmental quality evaluated in the conditions in the Watershed of the Suarez River, integrating the variables of the water quality (BOD₅, TSS, N-NO₂ y P_{total}) and precipitation. Using the data mining technique establishes membership functions and describes data and analyzed variables. In the body of surface water, there is a detriment of the environmental quality in the medium and low basin, which is an obvious contamination of the river and therefore the need to do short-term intervention actions in the basin.

Key Words : Watershed, data mining, environmental quality.

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