

A Proposed Methodology for Surface Water Quality Management for Sustainable Ecotourism in the Caribbean

Ken D. Thomas, Erlande Omisca, Joniqua A. Howard and Maya A. Trotz

ABSTRACT

Surface water quality's management has political, geographical/institutional, technical and economical issues that need to be considered. The design of a surface water quality management network for the sustainability of the Caribbean's ecotourism necessitates the consideration of all these issues. This paper uses the results of a longitudinal water quality monitoring study at Iwokrama, Guyana and Greencastle Estate, St. Mary, Jamaica to propose a surface water quality management method inclusive of parameters that should be monitored, currently and in the future, as well as options to get monitoring launched in eco-tourism areas throughout the Caribbean. This paper provides information as to cost effective equipment that can be bought such that reliable data can be obtained through partnerships and training of local onsite staff.

Keywords: Surface water quality, sustainability, ecotourism, Caribbean