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**STUDY OF IMPORTANT
PHYSICO-CHEMICAL PARAMETERS, MARGINAL
VEGETATION AND POLLUTION ASPECTS OF
PINGA OYA, A STREAM IN THE MAHAWELI
MID-CATCHMENT AREA.**

A PROJECT REPORT PRESENTED

BY

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TO THE

POSTGRADUATE INSTITUTE OF SCIENCE

IN PARTIAL FULFILLMENT OF THE REQUIREMENT

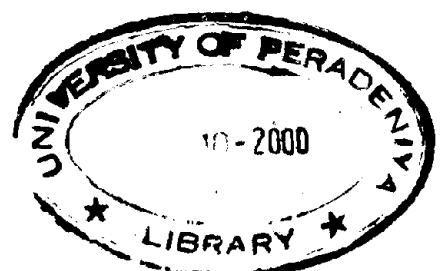
FOR THE AWARD OF THE DEGREE OF

MASTER OF SCIENCE

OF THE UNIVERSITY OF PERADENIYA

SRI LANKA

1998



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ABSTRACT

Aquatic plants which had grown near the water body were gathered and identified. The pollution sources were identified by field surveying and the catchment area details such as land use patterns, number of industries and houses and people's other activities, were gathered. People were interviewed to verify the pollution sources and post consumption effects. Twenty seven stations were identified and water samples were collected in a grab manner. The water samples were checked for twelve water quality parameters. Density, cover and heights of the vegetation which had grown at the sampling stations were determined. The dominant plant species were identified by considering the density, and the variation of dominant plant species density and water quality parameters were considered at the different sampling stations. Finally the correlations among the *Alocasia* species density (dominant species) and water quality parameters were determined.

