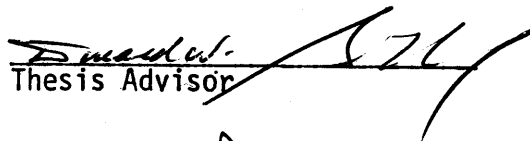


MODELING GROUND WATER FLOW
BY A TRACER TECHNIQUE IN A
TWO DIMENSIONAL SYSTEM

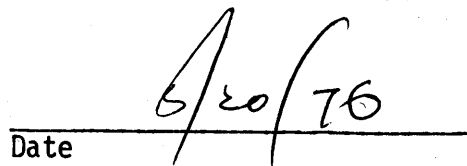
by

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IN PARTIAL FULFILLMENT
OF THE REQUIREMENTS FOR THE DEGREE
MASTER OF SCIENCE


Thesis Advisor


For the Graduate Division


Date

ABSTRACT

This report describes the use of a fluorescent chemical tracer to measure the leakage of a failing septic field into a nearby stream. The example clearly demonstrates the advantage of this procedure over other available techniques. The results indicate hydraulic conduction in excess of assumed design standards and suggests that imposed criteria and corrective measures should be used in designing future waste disposal installations.